THE QOG OECD DATASET 2020
CODEBOOK

Scholars who wish to use this dataset in their research are kindly requested to cite both the original source (as stated in this codebook) and use the following citation:

Contents

1 Introduction
   1.1 The Quality of Government Institute ................................................. 4
   1.2 The QoG Data .................................................................................. 4
   1.3 QoG OECD Dataset ......................................................................... 5
   1.4 Thematic Categories ....................................................................... 7

2 List of Variables by Categories
   2.1 Quality of Government .................................................................. 9
   2.2 Civil Society, Population and Culture ............................................. 11
   2.3 Conflict and Military Service .......................................................... 13
   2.4 Education ....................................................................................... 14
   2.5 Energy and Infrastructure ............................................................... 16
   2.6 Environment .................................................................................. 17
   2.7 Gender Equality .......................................................................... 19
   2.8 Health ............................................................................................. 22
   2.9 History ........................................................................................... 24
   2.10 Judicial .......................................................................................... 25
   2.11 Labour Market ............................................................................. 28
   2.12 Media ............................................................................................ 31
   2.13 Migration ....................................................................................... 32
   2.14 Political Parties and Elections ......................................................... 33
   2.15 Political System ............................................................................ 36
   2.16 Public Economy ........................................................................... 38
   2.17 Private Economy ......................................................................... 42
   2.18 Religion ........................................................................................ 44
   2.19 Welfare .......................................................................................... 45

3 Identification Variables .................................................................. 46

4 Description of Variables by Original Data Sources ....................... 47
   4.1 AidData .......................................................................................... 47
   4.2 Alesina, Devleeschauwer, Easterly, Kurlat and Wacziarg .................. 48
   4.3 The Association of Religion Data Archives ...................................... 49
   4.4 Alliance Treaty Obligations and Provisions Project (ATOP) ............. 58
   4.5 Sherppa Ghent University ............................................................... 61
   4.6 The World Conservation Union Red List of Threatened Species ...... 62
   4.7 Bonn International Center for Conversion ....................................... 65
   4.8 Bar-Ilan University ...................................................................... 67
   4.9 Barro and Lee ............................................................................... 69
   4.10 Carles Boix, Michael K. Miller and Sebastian Rosato ....................... 72
   4.11 Bernhard, Nordstrom and Reenock ................................................ 74
   4.12 Forman-Rabinovici and Somner .................................................... 75
   4.13 Coppedge, Alvarez and Maltonado ................................................ 78
   4.14 Ana Carolina Garriga ................................................................... 79
   4.15 The Comparative Constitutions Project ......................................... 82
   4.16 Cheibub, Antonio, Gandhi and Vreeland ...................................... 89
   4.17 Cingranelli, Filippoe and Mark ...................................................... 89
   4.18 Armingeon, Wegner, Wiedenieder, Isler, Knoepfel, Weisstanner and Engler 96
   4.19 Center of Systemic Peace .............................................................. 109
   4.20 Andrew Williams .......................................................................... 109
   4.21 Global Footprint Network .............................................................. 111
   4.22 UN Department of Economic and Social Affairs ......................... 113
   4.23 Encyclopaedia Metallum ............................................................... 115
   4.24 Ease of Doing Business Report ...................................................... 115
   4.25 Environmental Performance Index .............................................. 126
   4.26 Eurostat ....................................................................................... 130
   4.27 Food and Agricultural Organization of the United Nations (FAO) .... 132
| 4.28 | James D. Fearon | 136 |
| 4.29 | Fund for Peace | 137 |
| 4.30 | Freedom House | 142 |
| 4.31 | Freedom House | 146 |
| 4.32 | Fraser Institute | 148 |
| 4.33 | Guillen and Capron | 153 |
| 4.34 | Transparency International | 153 |
| 4.35 | Gibney, Cornett and Wood | 157 |
| 4.36 | Institute for Health Metrics and Evaluation | 158 |
| 4.37 | United Nations Development Programme | 161 |
| 4.38 | Kristian S. Gleditsch | 162 |
| 4.39 | Bornmann and Golder | 164 |
| 4.40 | Institute for Economics & Peace | 170 |
| 4.41 | Gerring, Thacker and Moreno | 171 |
| 4.42 | Witold Henisz | 172 |
| 4.43 | Heritage Foundation | 175 |
| 4.44 | Hadenius and Teorell | 179 |
| 4.45 | Institutions and Elections Project | 182 |
| 4.46 | International Country Risk Guide - The PRS Group | 194 |
| 4.47 | International Centre for Tax and Development and UNU-WIDER | 195 |
| 4.48 | Institute for Democracy and Electoral Assistance | 200 |
| 4.49 | Institute for Democracy and Electoral Assistance | 204 |
| 4.50 | Institute for Health Metrics and Evaluation | 205 |
| 4.51 | ERCAS European Research Centre for Anti-Corruption and State-Building | 207 |
| 4.52 | Inter-Parliamentary Union | 209 |
| 4.53 | Johnson and Wallack | 210 |
| 4.54 | Aljaz Kunčič | 216 |
| 4.55 | Maddison Historical Statistics | 219 |
| 4.56 | Hyde and Marinov | 220 |
| 4.57 | Pippa Norris | 223 |
| 4.58 | Natural Resource Management Index | 224 |
| 4.59 | Nunn and Puga | 224 |
| 4.60 | OECD | 226 |
| 4.61 | The Ocean Health Index | 276 |
| 4.62 | Marshall and Jaggers | 277 |
| 4.63 | Norris and Groemping | 278 |
| 4.64 | Fernstra, Inklaar and Timmer | 280 |
| 4.65 | Dahlström, Teorell, Dahlberg, Hartmann, Lindberg and Nistotskaya | 285 |
| 4.66 | Philip G. Roeder | 287 |
| 4.67 | Michael L. Ross | 288 |
| 4.68 | Reporters Sans Frontières | 292 |
| 4.69 | Bocuan, Olsson and Puttemann | 292 |
| 4.70 | Lyle Scruggs | 294 |
| 4.71 | Bertelsmann Stiftung | 297 |
| 4.72 | Ceyhun and Oguz | 305 |
| 4.73 | The Political Terror Scale (PTS) project | 306 |
| 4.74 | Transparency International | 307 |
| 4.75 | Alvaredo, Atkinson, Piketty and Saez | 309 |
| 4.76 | UCDP/PRIO | 310 |
| 4.77 | Penstein, Marzke and Melton | 310 |
| 4.78 | United Nations Development Programme | 312 |
| 4.79 | UNESCO | 313 |
| 4.80 | Tatu Vanhanen | 315 |
| 4.81 | Varieties of Democracy (V-Dem) Project | 316 |
| 4.82 | Jelle Visser | 325 |
| 4.83 | Institute for Economics & Peace | 330 |
| 4.84 | The World Bank Group | 331 |
| 4.85 | The World Bank Group | 336 |
1 Introduction

1.1 The Quality of Government Institute

The QoG Institute was founded in 2004 by Professor Bo Rothstein and Professor Sören Holmberg. It is an independent research institute within the Department of Political Science at the University of Gothenburg. The institute conducts research on the causes, consequences and nature of Good Governance and the Quality of Government (QoG) - that is, trustworthy, reliable, impartial, uncorrupted, and competent government institutions.

The main objective of the research is to address the theoretical and empirical problems of how political institutions of high quality can be created and maintained. A second objective is to study the effects of Quality of Government on a number of policy areas, such as health, environment, social policy, and poverty. While Quality of Government is the common intellectual focal point of the research institute, a variety of theoretical and methodological perspectives are applied.

1.2 The QoG Data

One aim of the QoG Institute is to make comparative data on QoG and its correlates publicly available. To accomplish this, we have compiled several datasets that draw on a number of freely available data sources, including aggregated individual-level data. The QoG datasets are available in several file formats, making them usable in most statistical softwares as well as in Excel.

The QoG Standard Dataset is our largest dataset consisting of more than 2,000 variables. For those who prefer a smaller dataset, we provide the QoG Basic Dataset, consisting of approximately the 300 most used variables from the QoG Standard Dataset. We also provide a dataset called the QoG OECD Dataset which covers OECD member countries and has high data coverage in terms of geography and time.

The Standard, Basic, and OECD datasets are all available in both timeseries (TS) and cross-sectional (CS) versions, as separate datasets. In the TS datasets, the unit of analysis is country-year (e.g. Sweden-1984, Sweden-1985 and so on). The CS datasets, unlike the TS datasets, do not include multiple years for a particular country, therefore, the unit of analysis is country. Although, many of the variables are available in both TS and CS, some variables are not, so it is advisable to use the codebook to see which variables are included. Each variable entry in this codebook specifies in which dataset you will find the variable.

The variables in the Standard, Basic, and OECD datasets are categorized in 19 thematic categories. This categorization should be seen as a guideline rather than a definite classification. Most variables belong only to one category, but some variables belong to more than one category.

On the QoG website, we also provide three additional datasets. The QoG Expert Survey (2014), the QoG EU Regional Dataset (2010 & 2013) and the QoG EQI Dataset (2017). The QoG Expert Survey is a dataset based on a survey among experts on public administration around the world. The data is available in an individual dataset and an aggregated dataset. The QoG EU Regional dataset is a dataset consisting of approximately 450 variables covering three levels of European regions. The EQI dataset is based on a survey among 34,000 respondents and concerns corruption on a regional level within the EU (NUTS 2).

Previous versions of all our datasets are available in the Data Archive on the QoG website: http://qog.pol.gu.se/data/datadownloads/data-archive
1.3 QoG OECD Dataset

1.3.1 Cross-Sectional (CS)

In the QoG OECD CS dataset, data from and around 2016 is included. Data from 2016 is prioritized, however, if no data are available for a country for 2016, data for 2017 is included. If no data for 2017 exists, data for 2015 is included, and so on up to a maximum of +/- 3 years.

While this works fine for some variables, it does not for others. For GDP growth it might be far from ideal to use figures from the following or previous year, whereas it might be more or less unproblematic for bureaucratic structures, which are more stable and fluctuate less. We advise you to carefully read the codebook and use your own judgment when using the CS dataset.

In the description of each variable in this codebook, there are basic descriptive statistics (minimum year, maximum year and number of countries (N)) and a map indicating the countries that have data for that specific variable in the CS dataset. If the variable is not included in the CS dataset there is a text simply stating that this is the case. The maps should not be confused as visualizations of the data itself; they are only visualizations of the data availability in the dataset.

1.3.2 Time-Series (TS)

In the QoG OECD TS dataset, data from 1946 to 2019 are included and the unit of analysis is country-year (e.g. Sweden-1946, Sweden-1947 and so on).

In each entry in this codebook there are basic descriptive statistics (minimum year, maximum year, number of countries (N), number of observations (n), average number of countries per year (N) and average number of years per country (T)) and a bar graph indicating the number of countries with data available each year from 1946 to 2015. If the variable is not included in the TS dataset, there is a text simply stating that this is the case. These should not be confused as visualizations of the data itself; it is only visualizations of the data availability in the datasets.

1.3.3 Country and Time Coverage

We included all 35 countries which were members of OECD in the end of year 2019. The data is provided for these countries in TS from the 1946 until present time. For some countries data is presented from the year of independence or the year of the last major border changes, if they were after 1946 (e.g. Germany presented from 1991, France from 1963, Korea, South from 1948, Slovenia from 1991 etc.). In the Appendix we have included the full list of countries and a short note on how we have reasoned for each country.

Unfortunately, no established international standard exists on how historical cases, resulting either from country mergers or country splits, should be treated in a time-series setting. We have applied the following principles:

After a merger of two countries, the new country is considered a new case, even when the new state formed could be considered as a continuation of one of the merging states. This rule applies to: Germany, which merged from East and West Germany in 1990. If a country has split, the new countries are considered new cases, even when one of the new states could be considered as a continuation of the state that split. This rule applies to: (1) Czechoslovakia, which was split into the Czech Republic and Slovakia in 1993; (2) France which was split into France and Algeria in 1962.

Since most of the original data sources treat these cases of country mergers and splits differently, we have rearranged data in accordance with our criteria above. Consequently, if a merger or a split has occurred and a data source does not treat the countries as different cases, we consider them to be different cases.

To determine where to put the data for the year of the merger/split and when to include data for a newly independent country, we have relied on the July 1st-principle. If the merger/split or independence occurred after July 1st, the data for this year will belong to the historical country or it will not be included. Thus, for example: If Germany in a data source is treated as a continuation of West Germany, we place data up to and including 1990 on West Germany and leave Germany blank until and including 1990, since the merger of Germany occurred in October 1990 (after July 1st, 1990).
1.3.4 A brief note on the QoG OECD 2020 update

To improve consistency and compatibility of statistical data related to QoG, we continuously work to improve the coverage and data quality. For the 2020 update of the QoG OECD Dataset, we have included three new data sources that previously were not part of the QoG datasets. These are:


- Global Peace Index (Institute for Economics and Peace, 2019). This dataset ranks 163 independent states and territories according to their level of peacefulness.

- E-Government Development Index and E-Participation Index (UN Department of Economic and Social Affairs, 2018). This dataset presents the state of E-Government Development of the United Nations Member States.
1.4 Thematic Categories

1.4.1 Quality of Government

This category includes variables that are the core features of QoG (impartiality, bureaucratic quality and corruption) as well as measures that are broader (rule of law and transparency).

1.4.2 Civil Society/Population/Culture

This category includes variables that relate to social capital, personal beliefs, size and distribution of the population as well as ethnic and linguistic fractionalization.

1.4.3 Conflict

This category includes variables concerning armed conflict, including civil war and terrorism, government revenue and spending related to violent conflict (military expenditure, arms imports, military personnel).

1.4.4 Education

This category includes a variety of indicators related to education, such as key characteristics of the educational system (public expenditure, gross enrollment, number of teachers), the students (age, gender, educational level), and educational outcomes (mean scores, literacy rates, numbers of researchers and scientists).

1.4.5 Energy and Infrastructure

This category includes indicators that cover descriptions of different energy sources (production, consumption and trade) and variables related to quality and quantity of different sectors of infrastructure (transportation and communication).

1.4.6 Environment

This category includes geographical characteristics such as the geographical region, land area etc. as well as indicators describing the state of the environment, ecosystems and materials, the impact of human beings on the environment, and environmental protection.

1.4.7 Gender Equality

This category includes variables related to the differences of access and opportunities between women and men by country, such as access to education, overall employment and employment by specific sectors, and indexes that shine a light on the general differences in treatment between men and women.

1.4.8 Health

This category includes indicators describing the health of a population in a given country. These include reports about self-perceived health (state of health), policies and provided infrastructure concerning health (expenditure, number of hospitals), the prevalence of diseases (HIV, tuberculosis), and indicators such as birth rate, death rate and life expectancy.

1.4.9 History

This category includes variables related to historical phenomena or situations, for example colonial origin, legal origin and GDP/capita in the year 1500.

1.4.10 Judicial

This category includes judicial indicators, generally covering legal rights granted by a state to its citizens and their compliance, as well as measures of crimes and the overall state of the judicial system.
1.4.11 Labour Market
This category includes variables about employment, unemployment and union density rate, in general, as well as in subgroups of the population.

1.4.12 Media
This category includes indicators on the freedom of the media in a given country (freedom of the press, regulation of the media) as well as the public access and confidence in the media.

1.4.13 Migration
This category includes indicators related to migratory phenomena such as immigration rates, level of education, brain drain, and refugee population.

1.4.14 Political Parties and Elections
This category includes variables describing various aspects of the legislature and political parties in the legislature (number of seats) as well as variables related to the election for the executive and variables on the outcomes of elections.

1.4.15 Political System
This category includes variables describing the rules of the political system (presidential or parliamentary system), the chief executive (years in office), regime type, stability (age of present regime), and checks and balances as well as aspects of federalism.

1.4.16 Public Economy
This category includes economic indicators that reflect the involvement of the government in the economy (taxes, tariff rates and government expenditures), economic key figures of a state (GDP, inflation, and economic inequality), and indicators that characterize the state of the economy (aid-flows, debt).

1.4.17 Private Economy
This category includes variables characterizing the private sector in a country, inter alia: regulation of the private sector, indicators concerning economic characteristics of groups in the society, such as poverty and household consumption, as well as tax rates.

1.4.18 Religion
This category includes variables regarding numbers of followers of specific religions and the status of religion in the constitution.

1.4.19 Welfare
This category includes indicators on government expenditure related to social welfare (pension, sickness coverage and accidents coverage).
## 2 List of Variables by Categories

### 2.1 Quality of Government

- `bcibci` The Bayesian Corruption Indicator
- `bcibcsd` The standard deviation of The Bayesian Corruption Indicator
- `bmrncmbnr` Number of previous democratic breakdowns
- `cppcpcp` Corruption Commission Present in Constitution
- `cppcpcp` Meritocratic Recruitment of Civil Servants Mentioned in Constitution
- `cspfsfssl` State Fragility Index
- `egovegov` E-Government Index
- `egovegovegam` E-Participation Index
- `egovhceci` Human Capital Index
- `flpsflpsps` Public Services
- `flpsflpssl` State Legitimacy
- `fhfgfog` Functioning of Government
- `fhfhepair` Personal Autonomy and Individual Rights
- `fhfhpr` Political Rights
- `gcbpb` Corruption Perception: Business
- `gcbped` Corruption Perception: Education
- `gcbpj` Corruption Perception: Judiciary/Legal System
- `gcbpmepemed` Corruption Perception: Medical Services
- `gcbpmememedia` Corruption Perception: Media
- `gcbpmememil` Corruption Perception: Military
- `gcbpmemongo` Corruption Perception: NGOs
- `gcbpoff` Corruption Perception: Public Officials/Civil Servants
- `gcbpppemppol` Corruption Perception: Political Parties
- `gcbppolpol` Corruption Perception: Parliament
- `gcbpppolpol` Corruption Perception: Police
- `gcbpprel` Corruption Perception: Religious Bodies
- `hlgovhgov` Government Integrity
- `icrgqoq` ICRG Indicator of Quality of Government
- `qs_impar` Impartial Public Administration
- `qs_impairchih` Impartial Public Administration - Confidence Interval (High)
- `qs_impaircil` Impartial Public Administration - Confidence Interval (Low)
- `qsproffprof` Professional Public Administration
- `qsproffchih` Professional Public Administration - Confidence Interval (High)
- `qsproffcil` Professional Public Administration - Confidence Interval (Low)
- `sgipppp` Policy Performance
- `tici_cpi` Corruption Perceptions Index
- `tici_cpi_max` Corruption Perceptions Index - max range
- `tici_cpi_max_om` Corruption Perceptions Index - max range (old method)
- `tici_cpi_min` Corruption Perceptions Index - min range
- `tici_cpi_min_om` Corruption Perceptions Index - min range (old method)
- `vdm_corp` Political corruption index
- `vdm_elctby` Election vote buying
- `vdm_execb` Executive bribery and corrupt exchanges
- `vdm_execrp` Public sector corrupt exchanges
- `vdm_execcor` Executive corruption index
- `vdm_execemblem` Executive embezzlement and theft
- `vdm_execthp` Public sector theft
- `vdm_gctpt` Legislature corrupt activities
- `vdm_judcorrdc` Judicial corruption decision
- `vdm_mecorpt` Media corruption
- `vdm_pubcorr` Public sector corruption index
- `wbgli_cce` Control of Corruption, Estimate
wbgi_ccn Control of Corruption, Number of Sources 331
wbgi_ccs Control of Corruption, Standard Error 332
wbgi_gee Government Effectiveness, Estimate 332
wbgi_gen Government Effectiveness, Number of Sources 332
wbgi_ges Government Effectiveness, Standard Error 332
wel_coc Control of Corruption 402
2.2 Civil Society, Population and Culture

al_ethnic2000 Ethnic Fractionalization in the year 2000
al_language2000 Language Fractionalization in the year 2000
al_religion2000 Religion Fractionalization in the year 2000
crp_marriage Right to Marry in Constitution
crp_samesexm Right to Same-Sex Marriages in Constitution
ciri_assn Freedom of Assembly and Association
em_active Number of Active Metal Bands
eu_isiubk Internet use: internet banking
fe_cultdiv Cultural Diversity
fe_etfra Ethnic Fractionalization
fe_plural Plurality Group
flp_dp Demographic Pressure
flp_sl State Legitimacy
gcb_pngo Corruption Perception: NGOs
gle_pop Population (in the 1000's)
gpi_dic Displaced people (1-5 Higher displacement)
gpi_gpi Global Peace Index (1-5 Less peaceful)
gpi_jail Incarceration (1-5 Higher incarceration)
ipi_e E-Citizenship (index)
oecd_agedpopgeo_g1 Elderly population
eccd_evoppop_g1 Population growth rates
eccd_evoppop_t1 Population levels
oecd_migforpop_t1a Foreign-born population
oecd_popggeo_g1 Share of national pop. in the 10% of regions with the largest population
oecd_popggeo_g2a Percentage of urban population by city size: Small urban areas
oecd_popggeo_g2b Percentage of urban population by city size: Medium-sized urban areas
oecd_popggeo_g2c Percentage of urban population by city size: Metropolitan areas
oecd_popggeo_g3a Distribution of the national population into urban regions
oecd_popggeo_g3b Distribution of the national population into intermediate regions
oecd_popggeo_g3c Distribution of the national population into rural regions
oecd_popggeo_g4a Distribution of the national area into urban regions
oecd_popggeo_g4b Distribution of the national area into intermediate regions
oecd_popggeo_g4c Distribution of the national area into rural regions
pwt_pop Population (in millions)
r ELF85 Ethnolinguistic fractionalization (1985)
wdm_gender Women political empowerment index
wdi_birth Birth rate, crude (per 1,000 people)
wdi_birthreg Completeness of birth registration (%)
wdi_birthskill Births attended by skilled health staff (% of total)
wdi_death Death rate, crude (per 1,000 people)
wdi_fertility Fertility rate, total (births per woman)
wdi_lifeexp Life expectancy at birth, total (years)
wdi_lifeexpf Life expectancy at birth, female (years)
wdi_lifeexpm Life expectancy at birth, male (years)
wdi_mortf Mortality rate, adult, female (per 1,000 female adults)
wdi_mortinf Mortality rate, infant (per 1,000 live births)
wdi_mortinff Mortality rate, infant, female (per 1,000 live births)
wdi_mortinfm Mortality rate, infant, male (per 1,000 live births)
wdi_mortm Mortality rate, adult, male (per 1,000 male adults)
wdi_mortmu5 Mortality rate, neonatal (per 1,000 live births)
wdi_mortmu5f Mortality rate, under-5, female (per 1,000 live births)
wdi_mortmu5m Mortality rate, under-5, male (per 1,000 live births)
wdi_pop Population, total
wdi_pop14 Population ages 0-14 (% of total population)
wdi_pop1564 Population ages 15-64 (% of total population)
wdi_pop65 Population ages 65 and above (% of total population)
2.3 Conflict and Military Service

atop_ally Member of an Alliance
atop_consult Consultancy Obligation
atop_defensive Defensive Obligation
atop_neutrality Neutrality Obligation
atop_nonagg Non-Aggression Obligation
atop_number Number of Alliances
atop_offensive Offensive Obligation
atop_transyr Transition Year
biicc_gmi Global Militarization Index
biicc_hw Heavy Weapons Index
biicc_milexp Military Expenditure Index
biicc_milper Military Personnel Index
flp_ext External Intervention
flp_sg Group Grievance
flp_sec Security Apparatus
gcb_pmil Corruption Perception: Military
gd_ppts Political Terror Scale - Amnesty International
gd_ptss Political Terror Scale - US State Department
iaep_emnf Executive Power over Military Force
iaep_milo Some other executive have the power to use force abroad
nelda_rpaq Riots and Protests after Election
nelda_vcdbe Violence and Civilian Deaths before Election
oecd_gendst Struc Structure of central go. expenditures, defence
svs_ind Societal Violence Scale Index 1-5
ucdp_typ4 Internationalized internal armed conflict
voh_gti Global Terrorism Index
wbgi_pve Political Stability and Absence of Violence/Terrorism, Estimate
wbgi_pvm Political Stability and Absence of Violence/Terrorism, Number of Sources
wbgi_pvs Political Stability and Absence of Violence/Terrorism, Standard Error
wdi_afp Armed forces personnel (% of total labor force)
wdi_aftp Armed forces personnel, total
wdi_armexp Arms exports (SIPRI trend indicator values)
wdi_armimp Arms imports (SIPRI trend indicator values)
wdi_expmil Military expenditure (% of GDP)
wdi_expnmilge Military expenditure (% of general government expenditure)
2.4 Education

bl_asym Average Schooling Years, Male
bl_asymf Average Schooling Years, Female and Male
bl_hhf Percentage with Tertiary Schooling, Female
bl_hhm Percentage with Tertiary Schooling, Male
bl_hhmf Percentage with Tertiary Schooling, Female and Male
bl_lpf Percentage with Primary Schooling, Female
bl_lpm Percentage with Primary Schooling, Male
bl_lpmf Percentage with Primary Schooling, Female and Male
bl_lsf Percentage with Secondary Schooling, Female
bl_lsm Percentage with Secondary Schooling, Male
bl_lsmf Percentage with Secondary Schooling, Female and Male
bl_lhf Percentage with No Schooling, Female
bl_lhm Percentage with No Schooling, Male
bl_lhmf Percentage with No Schooling, Female and Male

p_hf Human Flight and Brain Drain
p_ps Public Services

gcb_ped Corruption Perception: Education
gea_ea1524f Educational Attainment (15-24 years, Female)
gea_ea1524m Educational Attainment (15-24 years, Male)
gea_ea2534f Educational Attainment (25-34 years, Female)
gea_ea2534m Educational Attainment (25-34 years, Male)
gea_ea3544f Educational Attainment (35-44 years, Female)
gea_ea3544m Educational Attainment (35-44 years, Male)
gea_ea4554f Educational Attainment (45-54 years, Female)
gea_ea4554m Educational Attainment (45-54 years, Male)
gea_ea5564f Educational Attainment (55-64 years, Female)
gea_ea5564m Educational Attainment (55-64 years, Male)
gea_ea65f Educational Attainment (65+ years, Female)
gea_ea65m Educational Attainment (65+ years, Male)

oecd_doctor_g3 Medical graduates
oecd_migeduemp_t1c Employment rates of native-born pop. by educational attainment: Total
oecd_migeduemp_t1f Employment rates of foreign-born pop. by educational attainment: Total
oecd_minecolep_g3 Nursing graduates
oecd_minecolep_t1a Youths who are not in education or in employment (15-19)
oecd_minecolep_t1b Youths who are not in education or in employment (20-24)
oecd_minecolep_t1c Teachers' starting salary
oecd_minecolep_t1d Teachers' salary after 10 years of experience
oecd_minecolep_t1e Teachers' salary at top of scale

undp_hdi Human Development Index
une_girg1pf Gross intake ratio to Grade 1 of primary education, female (%)
une_girg1pm Gross intake ratio to Grade 1 of primary education, male (%)
une_girg1pt Gross intake ratio to Grade 1 of primary education, both sexes (%)
une_oeals Official entrance age to lower secondary education (years)
une_oeaus Official entrance age to upper secondary education (years)
une_tdhrls Theoretical duration of lower secondary education (years)
une_tdhrlused Theoretical duration of upper secondary education (years)
<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>wdi_eduprp</td>
<td>School enrollment, primary, private (% of total primary)</td>
</tr>
<tr>
<td>wdi_eduprs</td>
<td>School enrollment, secondary, private (% of total secondary)</td>
</tr>
<tr>
<td>wdi_expedu</td>
<td>Government expenditure on education, total (% of GDP)</td>
</tr>
<tr>
<td>wdi_expeduE</td>
<td>Government expenditure on education, total (% of government expenditure)</td>
</tr>
<tr>
<td>wdi_expeduEdu</td>
<td>Expenditure on primary education (% of government expenditure on edu.)</td>
</tr>
<tr>
<td>wdi_expeduSec</td>
<td>Expenditure on secondary education (% of government expenditure on edu.)</td>
</tr>
<tr>
<td>wdi_expeduTertiary</td>
<td>Expenditure on tertiary education (% of government expenditure on edu.)</td>
</tr>
<tr>
<td>wdi_expstup</td>
<td>Government expenditure per student, primary (% of GDP per capita)</td>
</tr>
<tr>
<td>wdi_expstus</td>
<td>Government expenditure per student, secondary (% of GDP per capita)</td>
</tr>
<tr>
<td>wdi_expstut</td>
<td>Government expenditure per student, tertiary (% of GDP per capita)</td>
</tr>
<tr>
<td>wdi_gerp</td>
<td>School enrollment, primary (% gross)</td>
</tr>
<tr>
<td>wdi_gerpf</td>
<td>School enrollment, primary, female (% gross)</td>
</tr>
<tr>
<td>wdi_gerpm</td>
<td>School enrollment, primary, male (% gross)</td>
</tr>
<tr>
<td>wdi_gerpp</td>
<td>School enrollment, preprimary (% gross)</td>
</tr>
<tr>
<td>wdi_gerppf</td>
<td>School enrollment, preprimary, female (% gross)</td>
</tr>
<tr>
<td>wdi_gerppm</td>
<td>School enrollment, preprimary, male (% gross)</td>
</tr>
<tr>
<td>wdi_gers</td>
<td>School enrollment, secondary (% gross)</td>
</tr>
<tr>
<td>wdi_gersf</td>
<td>School enrollment, secondary, female (% gross)</td>
</tr>
<tr>
<td>wdi_gersm</td>
<td>School enrollment, secondary, male (% gross)</td>
</tr>
<tr>
<td>wdi_gerTertiary</td>
<td>School enrollment, tertiary (% gross)</td>
</tr>
<tr>
<td>wdi_gerTertiaryFemale</td>
<td>School enrollment, tertiary, female (% gross)</td>
</tr>
<tr>
<td>wdi_gerTertiaryMale</td>
<td>School enrollment, tertiary, male (% gross)</td>
</tr>
<tr>
<td>wdi_nerp</td>
<td>School enrollment, primary (% net)</td>
</tr>
<tr>
<td>wdi_nerpf</td>
<td>School enrollment, primary, female (% net)</td>
</tr>
<tr>
<td>wdi_nerpm</td>
<td>School enrollment, primary, male (% net)</td>
</tr>
<tr>
<td>wdi_nerpr</td>
<td>Adjusted net enrollment rate, primary (% of primary school children)</td>
</tr>
<tr>
<td>wdi_nerprf</td>
<td>Adjusted net enrollment rate, primary female (% of primary school children)</td>
</tr>
<tr>
<td>wdi_nerprm</td>
<td>Adjusted net enrollment rate, primary male (% of primary school children)</td>
</tr>
<tr>
<td>wdi_ners</td>
<td>School enrollment, secondary (% net)</td>
</tr>
<tr>
<td>wdi_nersf</td>
<td>School enrollment, secondary, female (% net)</td>
</tr>
<tr>
<td>wdi_nersm</td>
<td>School enrollment, secondary, male (% net)</td>
</tr>
</tbody>
</table>
## 2.5 Energy and Infrastructure

- **eob_ge10** Getting electricity (DB10-15 methodology) 120
- **eob_ge16** Getting electricity (DB16-19 methodology) 121
- **epi_cce** Climate and Energy (0-100) 127
- **flp_ps** Public Services 130
- **ipi_e** E-Citizenship (index) 208
- **oecd_eceova_t1b** Real value added: industry including energy 231
- **oecd_nuclearnrj_t1b** Nuclear electricity generation Terawatt hours 254
- **oecd_nuclearnrj_t1c** Nuclear power plants connected to the grid 254
- **oecd_nuclearnrj_t1d** Nuclear power plants under construction 255
- **oecd_oilprod_t1** Production of crude oil 256
- **oecd_renewable_t1** Contribution of renewables to energy supply 263
- **oecd_tpes_t1** Total primary energy supply per unit of GDP 270
- **oecd_transpgood_t1** Inland goods transport 271
- **oecd_water_tla** Water abstractions per capita 275
- **oecd_water_tlb** Total abstractions of water 275
- **oecd_welecrgen_t1** Electricity generation 276
- **oecd_wenergyt1** Total primary energy supply 276
- **ross_gas_exp** Gas exports, billion cubic feet per year 288
- **ross_gas_netexp** Net gas exports value, constant 2000 dollar 288
- **ross_gas_netexpc** Net gas exports value per capita, constant 2000 dollar 288
- **ross_oil_exp** Oil exports, thousands of barrels per day 290
- **ross_oil_netexp** Net oil exports value, constant 2000 dollar 290
- **ross_oil_netexpc** Net oil exports value per capita, constant 2000 dollar 290
- **wdi_acel** Access to electricity (% of population) 336
- **wdi_acelr** Access to electricity, rural (% of rural population) 336
- **wdi_ane** Alternative and nuclear energy (% of total energy use) 338
- **wdi_broadb** Fixed broadband subscriptions (per 100 people) 340
- **wdi_eleenernew** Renewable electricity output (% of total electricity output) 342
- **wdi_elprodcoal** Electricity production from coal sources (% of total) 343
- **wdi_elprodgas** Electricity production from natural gas sources (% of total) 343
- **wdi_elprodhhyd** Electricity production from hydroelectric sources (% of total) 343
- **wdi_elprodnucrec** Electricity production from nuclear sources (% of total) 343
- **wdi_elprodoil** Electricity production from oil sources (% of total) 344
- **wdi_nenuse** Energy imports, net (% of energy use) 351
- **wdi_eceuse** Energy use (kg of oil equivalent per capita) 352
- **wdi_fossil** Fossil fuel energy consumption (% of total) 357
- **wdi_internet** Individuals using the Internet (% of population) 372
- **wdi_mobile** Mobile cellular subscriptions (per 100 people) 381
- **wdi_orent** Oil rents (% of GDP) 386
- **wdi_powcon** Electric power consumption (kWh per capita) 390
- **wdi_tele** Fixed telephone subscriptions (per 100 people) 395
- **who_dwttot** Population using at least basic drinking water services (%), Total 407
- **who_sanittot** Total population using basic sanitation services (%) 411
2.6 Environment

- **bi_amphibians** Threatened Species: Amphibians
- **bi_birds** Threatened Species: Birds
- **bi_fishes** Threatened Species: Fishes
- **bi_fungiProt** Threatened Species: Fungi and Protists
- **bi_mammals** Threatened Species: Mammals
- **bi_molluscs** Threatened Species: Molluscs
- **bi_otherinverts** Threatened Species: Other Inverts
- **bi_plants** Threatened Species: Plants
- **bi_reptiles** Threatened Species: Reptiles
- **bi_total** Threatened Species: Total

- **ef_bul** Built-up land footprint - Ecological Footprint of Consumption (GHA per person)
- **ef_carb** Carbon footprint - Ecological Footprint of Consumption (GHA per person)
- **ef_crop** Cropland footprint - Ecological Footprint of Consumption (GHA per person)
- **ef_ef** Total Ecological Footprint of Consumption (GHA per person)
- **ef_for** Forest product footprint - Ecological Footprint of Consumption (GHA per person)
- **ef_gf** Fish footprint - Ecological Footprint of Consumption (GHA per person)
- **ef_gl** Grazing footprint - Ecological Footprint of Consumption (GHA per person)

- **epi_agr** Agriculture (0-100)
- **epi_air** Air Quality (0-100)
- **epi_ap** Air Pollution (0-100)
- **epi_bdhd** Biodiversity and Habitat (0-100)
- **epi_cce** Climate and Energy (0-100)
- **epi_eh** Environmental Health (0-100)
- **epi_epi** Environmental Performance Index (0-100)
- **epi_ev** Ecosystem Vitality (0-100)
- **epi_for** Forests (0-100)
- **epi_h2o** Water and Sanitation (0-100)
- **epi_hmnt** Heavy Metals (0-100)
- **epi_wrs** Water Resources (0-100)

- **fao_huagr** Agricultural land (% of Land area)
- **fao_huagrara** Arable Land (% of Agricultural land)
- **fao_huagrcrop** Cropland (% of Agricultural land)
- **fao_huagrirrac** Agriculture area actually irrigated (% of Agricultural land)
- **fao_huagrirreq** Land area equipped for irrigation (% of Agricultural land)
- **fao_huagrog** Agriculture area under organic agric. (% of Agricultural land)
- **fao_huagrpas** Land under permanent meadows and pastures (% of Agricultural land)
- **fao_huagrproc** Land under Permanent Crops (% of Agricultural land)
- **fao_lucrop** Cropland (% of Land area)
- **fao_luforforest** Forest land (% of Land area)
- **fao_luforplant** Planted Forest (% of Forest area)
- **fao_lufoprprim** Primary Forest (% of Forest area)
- **fao_luforreg** Other naturally regenerated forest (% of Forest area)
- **fao_lupas** Land under permanent meadows and pastures (% of Land area)

- **lt_region** The Region of the Country
- **nuni nrpi** Natural Resource Protection Indicator

- **mnum_desert** Percentage desert in 2012
- **mnum_dist_coast** Average distance to nearest ice-free coast (1000 km) in 2012
- **mnum_near_coast** Percentage within 100 km. of ice-free coast in 2012
- **mnum_rugged** Ruggedness (Terrain Ruggedness Index, 100 m) in 2012
- **mnum_tropical** Percentage tropical climate in 2012

- **oecd_airqny_t1** CO2 emissions from fuel combustion
- **oecd_gengovdistri_t1e** Structure of central gov. expenditures, environmental protect
- **oecd_greenhouse_t1** Greenhouse gas emissions
- **oecd_scxovx_t1a** Sulphur Oxides Emissions
- **oecd_scxovx_t1b** Nitrogen Oxides Emissions
- **oecd_waste_t1lb** Total amount generated of municipal waste

- **ohi_ohi** The Ocean Health Index
sgi_en Policy Performance: Environmental Policies - Overall
sgi_enen Policy Performance: Environmental Policies - Environment
sgi_enge Policy Performance: Environmental Policies - Global Environmental Protection
wdi_agyland Agricultural irrigated land (% of total agricultural land)
wdi_araland Arable land (% of land area)
wdi_area Land area (sq. km)
wdi_co2 CO2 emissions (metric tons per capita)
wdi_forest Forest area (% of land area)
wdi_fossil Fossil fuel energy consumption (% of total)
wdi_idpdis Internally displaced persons, new displacement-disasters (number)
wdi_precip Average precipitation in depth (mm per year)
2.7 Gender Equality

cai_cai1 Comparative Abortion Index 1 (0 to 7) 75
cai_cai2 Comparative Abortion Index 2 (0 to 1) 76
cai_foet Foetal impairment is accepted as grounds for legal abortion 76
cai_life Threat to mother’s life is accepted as grounds for legal abortion 76
cai_mental Threat to mother’s mental health is accepted as grounds for legal abortion 77
cai_physical Threat to mother’s physical health is accepted as grounds for legal abortion 77
cai_rape Pregnancy as result of rape or incest is accepted as grounds for legal abortion 77
cai_request Abortion is available on request 78
cai_social Social or economic reasons are accepted as grounds for legal abortion 78
ccp_buildsoc Duty of the People is to Build Country in Constitution 83
ccp_cc Corruption Commission Present in Constitution 83
ccp_chilwrk Limits on Child Work in Constitution 83
ccp_civil Meritocratic Recruitment of Civil Servants Mentioned in Constitution 84
ccp_equal Equality Before the Law Mentioned in Constitution 84
ccp_freerel Freedom of Religion in Constitution 85
ccp_hr Human Rights Commission Present in Constitution 85
ccp_initiat Legislative Initiative Allowed 86
ccp_market Reference in Constitution to Capitalism 86
ccp_marriage Right to Marry in Constitution 86
ccp_samesexmarriage Right to Same-Sex Marriages in Constitution 87
ccp_slave Status of Slavery in Constitution 87
ccp_socialism Reference in Constitution to Socialism 87
ccp_strike Right to Strike in Constitution 88
ccp_syst New Constitutional System 88
ccp_systyear Year in which the Constitutional System was Promulgated 88
ccp_taxes Duty of People is to Pay Taxes in Constitution 88
ciri_assn Freedom of Assembly and Association 90
ciri_disap Disappearance 90
ciri_dommov Freedom of Domestic Movement 91
ciri_elecselfdetermination Electoral Self-Determination 91
ciri_empindx Empowerment Index 91
ciri_formov Freedom of Foreign Movement 92
ciri_injud Independence of the Judiciary 92
ciri_kill Extra Judicial Killing 92
ciri_physint Physical Integrity Rights 93
ciri_polpris Political Imprisonment 93
ciri_relfre New Freedom of Religion 93
ciri_speech Freedom of Speech 93
ciri_tort Torture 94
ciri_wecomm Women’s Economic Rights 94
ciri_wopol Women’s Political Rights 95
ciri_worker Workers’ Rights 95
ciri_wosoc Women’s Social Rights 95
eob_bqci Building quality control index (0-15)(DB16-19 methodology) 116
eob_dcp06 Dealing with construction permits (DB06-15 methodology) 116
eob_dcp16 Dealing with construction permits (DB16-19 methodology) 117
eob_eapr Equal access to property rights index (-2-0)(DB17-19 methodology) 117
eob_ec04 Enforcing contracts (DB04-15 methodology) 117
eob_ec16 Enforcing contracts (DB16 methodology) 118
eob_ec17 Enforcing contracts (DB17-19 methodology) 118
eob_eob15 Ease of doing business score global (DB15 methodology) 118
eob_eob16 Ease of doing business score global (DB16 methodology) 119
eob_eob17 Ease of doing business score global (DB17-19 methodology) 119
eob_gcr05 Getting credit (DB05-14 methodology) 120
eob_gr15 Getting credit (DB15-19 methodology) 120
who_homf Homicide Rate, Female
who_homm Homicide Rate, Male
who_homt Homicide Rate, Total
2.8 Health

cai_cai1 Comparative Abortion Index 1 (0 to 7) 75
cai_cai2 Comparative Abortion Index 2 (0 to 1) 76
cai_foetal Foetal impairment is accepted as grounds for legal abortion 76
cai_life Threat to mother’s life is accepted as grounds for legal abortion 76
cai_mental Threat to mother’s mental health is accepted as grounds for legal abortion 76
cai_physical Threat to mother’s physical health is accepted as grounds for legal abortion 76
cai_rape Pregnancy as result of rape or incest is accepted as grounds for legal abortion 76
cai_request Abortion is available on request 78
cai_social Social or economic reasons are accepted as grounds for legal abortion 78
epi_eh Environmental Health (0-100) 128
flp_ps Public Services 140
gcb_pmed Corruption Perception: Medical Services 155
ihme_hle_0104f Healthy Life Years, Female, Age 1-4 years 205
ihme_hle_0104m Healthy Life Years, Male, Age 1-4 years 206
ihme_hle_0104t Healthy Life Years, Both sexes, Age 1-4 years 206
ihme_lifexp_0104f Life Expectancy, Female, Age 1-4 years 206
ihme_lifexp_0104m Life Expectancy, Male, Age 1-4 years 206
ihme_lifexp_0104t Life Expectancy, Both sexes, Age 1-4 years 207
oecd_doctor_g1 Practising physicians 228
oecd_doctor_g3 Medical graduates 229
oecd_fertility_t1 Total fertility rates 237
oecd_gengovdistri_t1g Structure of central gov. expenditures, health 239
oecd_infmortality_g1 Infant mortality 248
oe_0104g Life expectancy at birth: total 248
oe_0104g2a Life expectancy at birth: women 249
oe_0104g2b Life expectancy at birth: men 249
oecd_nurse_g1 Practising nurses 255
oecd_nurse_g3 Nursing graduates 255
oecd_pphlthxp_t1c Total expenditure on health 259
oecd_rdeaths_t1c Road fatalities 260
oecd_smoke_g1 Adult population smoking daily 265
sickf Sickness replacement rate (single) 296
sickf_sickf Sickness replacement rate (family) 296
sgi_sohe Policy Performance: Social Policies - Health 304
undp_hdi Human Development Index 312
wdi_chexppgdg Current health expenditure (% of GDP) 341
wdi_gmcdesf Intentional homicides, female (per 100,000 female) 368
wdi_gmcdesm Intentional homicides, male (per 100,000 male) 368
wdi_ddf Lifetime risk of maternal death (%) 380
wdi_pophexp Out-of-pocket expenditure (% of current health expenditure) 393
wdi_smokf Smoking prevalence, females (% of adults) 393
wdi_smokm Smoking prevalence, males (% of adults) 393
wdi_smop Smoking prevalence, total (ages 15+) 393
who_alcohol10 Alcohol consumption per capita 406
who_dwto Population using at least basic drinking water services (%), Total 407
who_halef Healthy Life Expectancy, Female 407
who_halem Healthy Life Expectancy, Male 407
who_halet Healthy Life Expectancy, Total 407
who_homf Homicide Rate, Female 408
who_homm Homicide Rate, Male 408
who_homt Homicide Rate, Total 408
who_infmortality_r Infant mortality rate, Female 408
who_infmortality_m Infant mortality rate, Male 409
who_infmortality_t Infant mortality rate, Total 409
who_lef Life Expectancy, Female 409
who_lem Life Expectancy, Male 409
who_let Life Expectancy, Total 410
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>who_matm</td>
<td>Maternal Mortality Rate (per 100,000 live births)</td>
</tr>
<tr>
<td>who_mnf</td>
<td>Adult Mortality Rate (per 1000 population), Female</td>
</tr>
<tr>
<td>who_mnm</td>
<td>Adult Mortality Rate (per 1000 population), Male</td>
</tr>
<tr>
<td>who_mrt</td>
<td>Adult Mortality Rate (per 1000 population), Total</td>
</tr>
<tr>
<td>who_roadtrd</td>
<td>Estimated road traffic death rate (100,000 population)</td>
</tr>
<tr>
<td>who_sanittot</td>
<td>Total population using basic sanitation services (%)</td>
</tr>
<tr>
<td>who_suif</td>
<td>Suicide Rate (per 100,000 population), Female</td>
</tr>
<tr>
<td>who_suim</td>
<td>Suicide Rate (per 100,000 population), Male</td>
</tr>
<tr>
<td>who_suit</td>
<td>Suicide Rate (per 100,000 population), Total</td>
</tr>
</tbody>
</table>
2.9 History

bmr_demdur Consecutive years of current regime type
ht_colonial Colonial Origin
r_elfl85 Ethnolinguistic fractionalization (1985)
sai_statehiste0 State History Index, with the discounting rates 0%
sai_statehiste01 State History Index, with the discounting rates 1%
sai_statehiste1 State History Index, with the discounting rates 10%
sai_statehisten0 Normalized Values State History Index, with the discounting rates 0%
sai_statehisten01 Normalized Values State History Index, with the discounting rates 1%
sai_statehisten1 Normalized Values State History Index, with the discounting rates 10%
2.10 Judicial

cai_cai1 Comparative Abortion Index 1 (0 to 7) 75
cai_cai2 Comparative Abortion Index 2 (0 to 1) 76
cai_foetal Foetal impairment is accepted as grounds for legal abortion 76
cai_life Threat to mother’s life is accepted as grounds for legal abortion 76
cai_mental Threat to mother’s mental health is accepted as grounds for legal abortion 76
cai_physical Threat to mother’s physical health is accepted as grounds for legal abortion 76
cai_rape Pregnancy as result of rape or incest is accepted as grounds for legal abortion 77
cai_request Abortion is available on request 78
cai_social Social or economic reasons are accepted as grounds for legal abortion 78
ccp_buildsoc Duty of the People is to Build Country in Constitution 83
ccp_cc Corruption Commission Present in Constitution 83
ccp_chldwrk Limits on Child Work in Constitution 83
ccp_civil Meritocratic Recruitment of Civil Servants Mentioned in Constitution 84
ccp_demo Reference in Constitution to Democracy 84
ccp_equal Equality Before the Law Mentioned in Constitution 84
ccp_freerel Freedom of Religion in Constitution 85
ccp_hr Human Rights Commission Present in Constitution 85
ccp_initiat Legislative Initiative Allowed 86
ccp_market Reference in Constitution to Capitalism 86
ccp_marriage Right to Marry in Constitution 86
ccp_samesexm Right to Same-Sex Marriages in Constitution 87
ccp_slave Status of Slavery in Constitution 87
ccp_socialm Reference in Constitution to Socialism 87
ccp_strike Right to Strike in Constitution 88
ccp_syst New Constitutional System 88
ccp_systyear Year in which the Constitutional System was Promulgated 88
ccp_taxes Duty of People is to Pay Taxes in Constitution 88
cri_assn Freedom of Assembly and Association 90
cri_disap Disappearance 90
cri_dommov Freedom of Domestic Movement 91
cri_elecld Electoral Self-Determination 91
cri_empindex Empowerment Index 91
cri_formov Freedom of Foreign Movement 92
cri_injud Independence of the Judiciary 92
cri_kill Extrajudicial Killing 92
cri_physint Physical Integrity Rights 93
cri_polpris Political Imprisonment 93
cri_relfre New Freedom of Religion 93
cri_speech Freedom of Speech 93
cri_tort Torture 94
cri_wecen Women’s Economic Rights 94
cri_wopol Women’s Political Rights 95
cri_worker Workers’ Rights 95
cri_wosoc Women’s Social Rights 95

eob_bqci Building quality control index (0-15)(DB16-19 methodology) 116
eob_dcp06 Dealing with construction permits (DB06-15 methodology) 116
eob_dcp16 Dealing with construction permits (DB16-19 methodology) 117
eob_eapr Equal access to property rights index (-2-0)(DB17-19 methodology) 117
eob_ec04 Enforcing contracts (DB04-15 methodology) 117
eob_ec16 Enforcing contracts (DB16 methodology) 118
eob_ec17 Enforcing contracts (DB17-19 methodology) 118
eob_eob15 Ease of doing business score global (DB15 methodology) 118
eob_eob16 Ease of doing business score global (DB16 methodology) 119
eob_eob17 Ease of doing business score global (DB17-19 methodology) 119
eob_gr05 Getting credit (DB05-14 methodology) 120
eob_gr15 Getting credit (DB15-19 methodology) 120
who_homf Homicide Rate, Female
who_homm Homicide Rate, Male
who_homt Homicide Rate, Total
2.11 Labour Market

- CCP_chilwrk Limits on Child Work in Constitution
- CCP_slave Status of Slavery in Constitution
- CCP_strike Right to Strike in Constitution
- EU_resallt Researchers in all sectors % tot. employment - full-time (total)
- EU_resedut Researchers in Higher Education % tot. employment - full-time (total)
- EU_resgovt Researchers in Government % tot. employment - full-time (total)
- LF_labor Labor Freedom
- OECD_emplage_t1a Employment rates for age group 15-24
- OECD_emplage_t1b Employment rates for age group 25-54
- OECD_emplage_t1c Employment rates for age group 55-64
- OECD_emplindr_t1a Employment rates: women
- OECD_emplindr_t1b Employment rates: men
- OECD_emplindr_t1c Employment rates: total
- OECD_hourswkld_t1 Average hours actually worked
- OECD_lunemp_t1 Long-term unemployment
- OECD_migeduemp_t1a Employment rates of native-born pop. by educational attainment: low
- OECD_migeduemp_t1b Employment rates of native-born pop. by educational attainment: high
- OECD_migeduemp_t1c Employment rates of native-born pop. by educational attainment: total
- OECD_migonemp_t1a Unemployment rates of native-born populations: Men
- OECD_migonemp_t1b Unemployment rates of foreign-born populations: Men
- OECD_migonemp_t1c Unemployment rates of foreign-born populations: Women
- OECD_migonemp_t1d Unemployment rates of native-born populations: Women
- OECD_migonemp_t1e Unemployment rates of foreign-born populations: total
- OECD_migonemp_t1f Unemployment rates of foreign-born populations: Total
- OECD_morse_g1 Practising nurses
- OECD_prodcap_g2b Levels of GDP per capita & labour productivity (Effect of labour util.)
- OECD_pempl_t1 Incidence of part-time employment
- OECD_regdispinlabour_g1a Differences in annual employment growth across regions: Maximum
- OECD_regdispinlabour_g1b Differences in annual employment growth across regions: Minimum
- OECD_regdispinlabour_g1c Differences in annual employment growth across regions: Average
- OECD_regdispinlabour_g2a Regional difference in the employment rate of women: Maximum
- OECD_regdispinlabour_g2b Regional difference in the employment rate of women: Minimum
- OECD_regdispinlabour_g2c: Regional difference in the employment rate of women: Average
- OECD_regdispunemp_g1 Gini index of regional unemployment rates
- OECD_regdispunemp_g2a Regional variation of the youth unemployment rate: maximum
- OECD_regdispunemp_g2b Regional variation of the youth unemployment rate: minimum
- OECD_researc_h_t1 Researchers
- OECD_selfempl_t1a Self-employment rates: women
- OECD_selfempl_t1b Self-employment rates: men
- OECD_selfempl_t1c Self-employment rates: total
- OECD_socexcls_t1a Youths who are not in education or in employment (15-19)
- OECD_socexcls_t1b Youths who are not in education or in employment (20-24)
- OECD_unemplrt_t1a Unemployment rates: women
- OECD_unemplrt_t1b Unemployment rates: men
- OECD_unemplrt_t1c Unemployment rates: total
- SC_unel Unemployment replacement rate (single)
- SC_unef Unemployment replacement rate (family)
- SG1_ec Policy Performance: Economic Policies - Overall
- SG1_ecdm Policy Performance: Economic Policies - Labor Markets
- VI_ext Mandatory extension of collective agreements to non-organised employers
- VI_mws Minimum Wage Setting
- VI_mnw National Minimum Wage
- VI_rag Right of Association, government
wdi_lfpyn e Labor force participation rate 15-24, total (%) (national est.)
wdi_pte Part time employment, total (% of total employment)
wdi_ptef Part time employment, female (% of total female employment)
wdi_ptrm Part time employment, male (% of total male employment)
wdi semp Self-employed, total (% of total employment) (modeled ILO)
wdi_sempf Self-employed, female (% of female employment) (modeled ILO)
wdi_sempm Self-employed, male (% of male employment) (modeled ILO)
wdi_unempeduha Unemployment with advanced education (% of total labor force)
wdi_unempeduham Unemployment with advanced education (% of male labor force)
wdi_unempedufl Unemployment with advanced education (% of female labor force)
wdi_unempeduim Unemployment with intermediate education (% of total labor force)
wdi_unempeduif Unemployment with intermediate education (% of female labor force)
wdi_unempend Unemployment, female (% of female labor force) (modeled ILO)
wdi_unempedm Unemployment, male (% of male labor force) (modeled ILO)
wdi_unempenu Unemployment, male (% of male labor force) (national est.)
wdi_unempeny Unemployment, female (% of female labor force) (national est.)
wdi_unempenum Unemployment, total (% of total labor force) (modeled ILO)
wdi_unempenyf Unemployment, youth female (% of female labor force 15-24) (modeled ILO)
wdi_unempenyfe Unemployment, youth female (% of female labor force 15-24) (national est.)
wdi_unempenym Unemployment, youth male (% of male labor force 15-24) (modeled ILO)
wdi_unempenymf Unemployment, youth male (% of male labor force 15-24) (national est.)
wdi_unempenyu Unemployment, youth total (% of total labor force 15-24) (national est.)
2.12 Media

egov_egov E-Government Index
egov_epar E-Participation Index
egov_hci Human Capital Index
egov_osi Online Service Index
egov_tii Telecommunication Infrastructure Index
fh_feb Freedom of Expression and Belief
fhp_mcei Economic influences over media content (2001-2016)
fhp_mclv Laws and regulations that influence media content (2001-2016)
fhp_mcpp Political pressures and controls on media content (2001-2016)
fhp_score Freedom of the Press, Score (2001-2016)
fhp_status Freedom of the Press, Status (2001-2016)
gcb_pmedia Corruption Perception: Media
nelda_mbbe Media Bias before Election
rsf_pfi Press Freedom Index
sgi_qdai Quality of Democracy: Access to Information
vdem_mecorrpt Media corruption
### 2.13 Migration

- **ciri_dommov** Freedom of Domestic Movement
- **ciri_formov** Freedom of Foreign Movement
- **ffp_hf** Human Flight and Brain Drain
- **ffp_ref** Refugees and IDPs
- **gpi_dic** Displaced people (1-5 Higher displacement)
- **oecd_migforpop_t1a** Foreign-born population
- **wdi_idpdis** Internally displaced persons, new displacement-disasters (number)
- **wdi_imig** International migrant stock (% of population)
- **wdi_migration** Net migration
- **wdi_refasy** Refugee population by country or territory of asylum
- **wdi_refori** Refugee population by country or territory of origin
## 2.14 Political Parties and Elections

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cam_con</td>
<td>Contestation (standardized version)</td>
</tr>
<tr>
<td>cam_inclus</td>
<td>Inclusiveness (standardized version)</td>
</tr>
<tr>
<td>ciri_elec</td>
<td>Electoral Self-Determination</td>
</tr>
<tr>
<td>cpds_chg</td>
<td>Number of changes in government per year</td>
</tr>
<tr>
<td>cpds_cmps</td>
<td>Effective number of parties on the seats level</td>
</tr>
<tr>
<td>cpds_cnpv</td>
<td>Effective number of parties on the votes level</td>
</tr>
<tr>
<td>cpds_frdl</td>
<td>Electoral fractionalization of the party system (Rae index)</td>
</tr>
<tr>
<td>cpds free</td>
<td>Legislative fractionalization of the party system (Rae index)</td>
</tr>
<tr>
<td>cpds_gov</td>
<td>Cabinet composition (Schmidt index)</td>
</tr>
<tr>
<td>cpds_govsup</td>
<td>Government support (seat share of all parties in government)</td>
</tr>
<tr>
<td>cpds_la</td>
<td>Share of seats in parliament: agrarian</td>
</tr>
<tr>
<td>cpds_lall</td>
<td>Share of seats in parliament: electoral alliance</td>
</tr>
<tr>
<td>cpds_icon</td>
<td>Share of seats in parliament: conservative</td>
</tr>
<tr>
<td>cpds_le</td>
<td>Share of seats in parliament: ethnic</td>
</tr>
<tr>
<td>cpds_lfe</td>
<td>Share of seats in parliament: feminist</td>
</tr>
<tr>
<td>cpds_lg</td>
<td>Share of seats in parliament: green</td>
</tr>
<tr>
<td>cpds_ll</td>
<td>Share of seats in parliament: liberal</td>
</tr>
<tr>
<td>cpds_lls</td>
<td>Share of seats in parliament: left-socialalist</td>
</tr>
<tr>
<td>cpds_lmo</td>
<td>Share of seats in parliament: monarchal</td>
</tr>
<tr>
<td>cpds_lnl</td>
<td>Share of seats in parliament: non-labelled</td>
</tr>
<tr>
<td>cpds_lo</td>
<td>Share of seats in parliament: other</td>
</tr>
<tr>
<td>cpds_lp</td>
<td>Share of seats in parliament: protest</td>
</tr>
<tr>
<td>cpds_lpc</td>
<td>Share of seats in parliament: post-communist</td>
</tr>
<tr>
<td>cpds_lpen</td>
<td>Share of seats in parliament: pensioners</td>
</tr>
<tr>
<td>cpds_lper</td>
<td>Share of seats in parliament: personalalist</td>
</tr>
<tr>
<td>cpds_lr</td>
<td>Share of seats in parliament: right</td>
</tr>
<tr>
<td>cpds_lreg</td>
<td>Share of seats in parliament: regionalalist</td>
</tr>
<tr>
<td>cpds_lrel</td>
<td>Share of seats in parliament: religious</td>
</tr>
<tr>
<td>cpds_ls</td>
<td>Share of seats in parliament: social democratic</td>
</tr>
<tr>
<td>cpds_lg</td>
<td>Type of Government</td>
</tr>
<tr>
<td>cpds_va</td>
<td>Share of votes: agrarian</td>
</tr>
<tr>
<td>cpds_vall</td>
<td>Share of votes: electoral alliance</td>
</tr>
<tr>
<td>cpds_vcom</td>
<td>Share of votes: communist</td>
</tr>
<tr>
<td>cpds_vcon</td>
<td>Share of votes: conservative</td>
</tr>
<tr>
<td>cpds_ve</td>
<td>Share of votes: ethnic</td>
</tr>
<tr>
<td>cpds_vfe</td>
<td>Share of votes: feminist</td>
</tr>
<tr>
<td>cpds_vg</td>
<td>Share of votes: green</td>
</tr>
<tr>
<td>cpds_vl</td>
<td>Share of votes: liberal</td>
</tr>
<tr>
<td>cpds_vls</td>
<td>Share of votes: left-socialalist</td>
</tr>
<tr>
<td>cpds_vmo</td>
<td>Share of votes: monarchal</td>
</tr>
<tr>
<td>cpds_vnl</td>
<td>Share of votes: non-labelled</td>
</tr>
<tr>
<td>cpds_vo</td>
<td>Share of votes: other</td>
</tr>
<tr>
<td>cpds_vp</td>
<td>Share of votes: protest</td>
</tr>
<tr>
<td>cpds_vpc</td>
<td>Share of votes: post-communist</td>
</tr>
<tr>
<td>cpds_vpen</td>
<td>Share of votes: pensioners</td>
</tr>
<tr>
<td>cpds_vper</td>
<td>Share of votes: personalalist</td>
</tr>
<tr>
<td>cpds_vr</td>
<td>Share of votes: right</td>
</tr>
<tr>
<td>cpds_vreg</td>
<td>Share of votes: regionalalist</td>
</tr>
<tr>
<td>cpds_vrel</td>
<td>Share of votes: religious</td>
</tr>
<tr>
<td>cpds_vs</td>
<td>Share of votes: social democratic</td>
</tr>
<tr>
<td>cpds_vt</td>
<td>Voter turnout in election</td>
</tr>
<tr>
<td>ffp_fe</td>
<td>Factionized Elites</td>
</tr>
<tr>
<td>fh_ep</td>
<td>Electoral Process</td>
</tr>
<tr>
<td>gol_adm</td>
<td>Average District Magnitude</td>
</tr>
<tr>
<td>gol_dist</td>
<td>Districts</td>
</tr>
<tr>
<td>gol_enep</td>
<td>Effective Number of Electoral Parties</td>
</tr>
</tbody>
</table>
jw_mmdv vote Candidate or Party-specific Voting - MMD (lower/only house) 214
jw_multiround Runoff Elections 214
jw_multitier Multi Tier (lower/only house) 214
jw_oneparty Single Party System 214
jw_person Personalistic Tier 215
jw_propcoded Proportion Coded Legislators (lower/only house) 215
jw_propmmnd Seats from Multi-Member Districts (lower/only house) 215
jw_propn Seats from a National District (lower/only house) 215
jw_prospmd Seats from Single-Member Districts (lower/only house) 216
jw_rank Rank Vote (lower/only house) 216
jw_tiervote Tiervote (lower/only house) 216
nelda_fme First Multiparty Election 220
nelda_mbbe Media Bias before Election 220
nelda_mtop Was More Than One Party Legal 221
nelda_noe Number of Elections, Total 221
nelda_noea Number of Elections, Constituent Assembly 221
nelda_noee Number of Elections, Executive 221
nelda_noel Number of Elections, Legislative 221
nelda_oa Was Opposition Allowed 222
nelda_rpaie Riots and Protests after Election 222
nelda_vcdbe Violence and Civilian Deaths before Election 222
no_ef Electoral Family 225
pei_eir Electoral Integrity Rating 278
pei_eiri Electoral Integrity Rating, Higher C.I 278
pei_eirlc Electoral Integrity Rating, Lower C.I 279
pei_off Elected Office 279
pei_peii Perception of Electoral Integrity Index 279
pei_peit Perception of Electoral Integrity Index Type 280
sgi_qdep Quality of Democracy: Electoral Process 302
van_comp Competition 315
van_index Index of Democratization 315
van_part Participation 316
wdi_wip Proportion of seats held by women in national parliaments (%) 401
2.15 Political System

- biu_offrel Official Religion
- bmrm_dem Dichotomous democracy measure
- bmrm_demo Number of previous democratic breakdowns
- bmrm_demdur Consecutive years of current regime type
- bmrm_demmis Dichotomous democracy measure (incl. missing for some countries)
- bmrm_demtran Democratic transition
- bmrm_dem democr Breakdown
- cbicbiu Central Bank Independence unweighted index
- cbicbiw Central Bank Independence weighted index
- cbicceo Component 1: Chief executive officer
- cbiccall Component 4: Limitations on lending to the government
- cbiccoj Component 2: Objectives
- cbiccpol Component 3: Policy formulation
- cbic_create Year of law creating the central bank
- cbicdec Year of a reform that decreased central bank independence
- cbicdir Effect of the central bank reform on the weighted index
- cbicone Year of a reform that increased central bank independence
- cbicref Year of a reform that affects the central bank independence
- cbic_reg Whether the central bank is a regional organization
- ccp_democ Reference in Constitution to Democracy
- ccp_initiat Legislative Initiative Allowed
- ccp_socialism Reference in Constitution to Socialism
- chga_demo Democracy
- chga_hinst Regime Institutions
- diat_ati Accountability Transparency
- diat_iti Information Transparency
- diat_tit Transparency Index
- egov_egov E-Government Index
- egov_epar E-Participation Index
- egov_hci Human Capital Index
- egov_osi Online Service Index
- egov_tii Telecommunication Infrastructure Index
- ffp_sl State Legitimacy
- fh_level Level of Democracy (Freedom House/Imputed Polity)
- fh_level Level of Democracy (Freedom House/Polity)
- fh_ppp Political Pluralism and Participation
- fh_pr Political Rights
- fh_status Freedom Status
- gcb_ppa Corruption Perception: Political Parties
- gcb_pparl Corruption Perception: Parliament
- gtm_parl Parliamen tarism
- gtm_unit Unitarism
- h_f Independent Sub-Federal Unit
- h_l2 Legislative Chamber
- h_l2 Legislative Chamber
- h_polcons3 Political Constraints Index III
- h_polcons5 Political Constraints Index V
- hl_govt Freedom from Government
- ht_regtype Regime Type
- ht_regtype1 Regime Type (simplified)
- iaep_appo Appointment of Executive
- iaep_arrAppointment of Regional Representatives
- iaep_callo Some other executive have the power to call elections
- iaep_ce Constitutional Court
- iaep_ccdt Executive Can Change Domestic Taxes
- iaep_ccdl Executive Can Dissolve Legislature
- iaep_eml Executive is Member of Legislature
2.16 Public Economy

aid_cpsc Number of Commitments provided to Recipients (not incl. Int. Org.) 47
aid_cscn Number of Recipients to whom Commitments were provided (not incl. Int. Org.) 47
aid_cncn Number of Donors from whom Commitments were received 48
aid_cscn Number of Commitments received from Donors (not incl. Int. Org.) 48
aid_csn Number of Int. Org. from whom Commitments were received 48

chi_cbiu Central Bank Independence unweighted index 79
chi_cbis Central Bank Independence weighted index 80

ccp_cbi Component 1: Chief executive officer 80
ccp_cbl Component 4: Limitations on lending to the government 80
ccp_cbo Component 2: Objectives 80
ccp_cbo Component 3: Policy formulation 80
ccp_cbo Component 5: Monetary freedom 80
ccp_cbo Component 6: Tax burden 80
ccp_cbo Component 7: Trade freedom 80

ccp_month Reference in Constitution to Capitalism 86
ccp_taxes Duty of People is to Pay Taxes in Constitution 88

f_peco Economic Decline 138
f_index pd Economic Freedom of the World Index (panel data) 150
f_sog pd Size of Government: Expenditures, Taxes and Enterprises (panel data) 152

gle_gdp GDP per Capita (Current Prices) 162
gle_gdp Real GDP (2005) 163
gle_imp Total Import 163
gle_pop Population (in the 1000's) 163
gle_rgdp GDP per Capita (2005) 163
gle_trade Total Trade 164
hf_monetary Monetary Freedom 178
hf_taxbur Tax Burden 178
hf_trade Trade Freedom 179

iaep_execdt Executive Can Change Domestic Taxes 186
iaep_lap Legislature Approves Budget 188
ictd_non Tax Consolidated Non-Tax Revenue 196
ictd_system Revenue (excluding social contributions) 196
ictd_rev Revenue (including social contributions) 196
ictd_revscs Total Resource Revenue 196
ictd_soccon Social Contributions 197
ictd_taxcorp Taxes on Corporations and Other Enterprises 197
ictd_taxes Tax (excluding social contributions) 197
ictd_tax Tax on Goods and Services 197
ictd_taxinc Tax on Income, Profits, and Capital Gains 198
ictd_taxind Tax on Individuals 198
ictd_taxind Indirect Taxes 198
ictd_taxin Tax on Individuals 198
ictd_taxind Tax (including social contributions) 198
ictd_taxres Tax (excluding social contributions) 198
ictd_taxres Tax (including social contributions) 198
ictd_taxother Other Taxes 199
ictd_taxpayw T axes on Payroll and Workforce 199
ictd_taxprop T axes on Property 200
ictd_taxres T axes on Resources 200
ictd_taxtrade T axes on International Trade and Transactions 200
kun_eco Absolute economic institutional quality(simple averages) 217
kun_ecorel Economic institutional quality (relative factor scores) 217
2.17 Private Economy

- eob_bqci Building quality control index (0-15) (DB16-19 methodology) 116
- eob_dcp06 Dealing with construction permits (DB06-15 methodology) 116
- eob_dcp16 Dealing with construction permits (DB16-19 methodology) 117
- eob_eap4 Equal access to property rights index (-2-0) (DB17-19 methodology) 117
- eob_ec04 Enforcing contracts (DB04-15 methodology) 117
- eob_ec16 Enforcing contracts (DB16 methodology) 118
- eob_ec17 Enforcing contracts (DB17-19 methodology) 118
- eob_eob15 Ease of doing business score global (DB15 methodology) 118
- eob_eob16 Ease of doing business score global (DB16 methodology) 119
- eob_eob17 Ease of doing business score global (DB17-19 methodology) 119
- eob_gr05 Getting credit (DB05-14 methodology) 120
- eob_gr15 Getting credit (DB15-19 methodology) 120
- eob_ge10 Getting electricity (DB10-15 methodology) 120
- eob_ge16 Getting electricity (DB16-19 methodology) 121
- eob_lrdi Land dispute resolution index (0-8) (DB16-19 methodology) 121
- eob_pmi06 Protecting minority investors (DB06-14 methodology) 121
- eob_pmi15 Protecting minority investors (DB15-19 methodology) 122
- eob_pt06 Paying taxes (DB06-16 methodology) 122
- eob_pt17 Paying taxes (DB17-19 methodology) 122
- eob_qla Quality of land administration index (0-30) (DB17-19 methodology) 122
- eob_riv04 Resolving insolvency (DB04-14 methodology) 123
- eob_riv15 Resolving insolvency (DB15-19 methodology) 123
- eob_roest Reliability of supply and transparency of tariff index (0-8) (DB16-19 methodology) 123
- eob_rp05 Registering property (DB05-15 methodology) 124
- eob_rp16 Registering property (DB16 methodology) 124
- eob_rp17 Registering property (DB17-19 methodology) 124
- eob_sab Starting a business 125
- eob_tab06 Trading across borders (DB06-15 methodology) 125
- eob_tab16 Trading across borders (DB16-19 methodology) 125
- eu_scttop_min Patent applications to the EPO, Per million inhabitants 131
- eu_scttotn Patent applications to the EPO, number 132
- fi_fradent Freedom to Trade Internationally (current) 148
- fi_fradent_pd Freedom to Trade Internationally (panel data) 149
- fi_index Economic Freedom of the World Index (current) 149
- fi_legprop Lega Structure and Security of Property Rights (current) 150
- fi_legprop_pd Legal Structure and Security of Property Rights (panel data) 150
- fi_reg Credit, Labor and Business (current) 151
- fi_reg_pd Regulation of Credit, Labor and Business (panel data) 151
- fi_sm Access to Sound Money (current) 151
- fi_sm_pd Access to Sound Money (chain_linked) 152
- gc_shr Minority Shareholder Rights 153
- gc_pb Corruption Perception: Business 154
- hf_business Business Freedom 175
- hf_economic Economic Freedom Index 176
- hf_financial Financial Freedom 176
- hf_invest Investment Freedom 177
- hf_labor Labor Freedom 178
- hf_prighrts Property Rights 178
- ipi_tradeopen Trade Openness (index) 208
- oecd_cpi_t1a CPI: all items 227
- oecd_cpi_t1b CPI: all items non food non energy 228
- oecd_cpi_t1c CPI: food 228
- oecd_cpi_t1d CPI: energy 228
- oecd_housdeb_t1 Households debt 243
- oecd_housinc_t1 Real household disposable income 243
- oecd_houssave_t1 Household net saving rates 244
ocecd_houswealth_t1a  Financial asset of households:  Currency and deposits
ocecd_houswealth_t1b  Financial asset of households:  Debt securities
ocecd_houswealth_t1c  Financial asset of households:  Equity
ocecd_houswealth_t1d  Financial asset of households:  Investment funds shares
ocecd_houswealth_t1e  Financial asset of households:  Life insurance and annuities
ocecd_houswealth_t1f  Financial asset of households:  Pension funds
ocecd_incinequal_t1a  Income inequality:  Gini (at disposable income post taxes & transfers)
ocecd_incompovverty_t1a  Relative poverty rates:  Entire population
ocecd_incompovverty_t1b  Relative poverty rates:  Children (age 0-17)
ocecd_incompovverty_t1c  Relative poverty rates:  Working-age population (age 18-65)
ocecd_incompovverty_t1d  Relative poverty rates:  Retirement-age population (over 65)
ocecd_prodincom_g2b  Levels of GDP per capita & labour productivity (Effect of labour util.)
ocecd_regdispunemp_g1  Gini index of regional unemployment rates
ocecd_risconv_t1a  Purchasing power parities
ocecd_risconv_t1b  Indices of price levels
ocecd_taxapw_t1  Taxes on the average worker
shec_se  Level of the shadow economy
wdi_busden  New business density (new registrations per 1,000 people ages 15-64)
wdi_eodb  Ease of doing business index (1=most business-friendly regulations)
wdi_povgap190  Poverty gap at USD 1.90 a day (2011 PPP) (%)
2.18 Religion

al_religion2000 Religion Fractionalization in the year 2000 49
arda_angenpct Animist religions: Total (% Adherents) 50
arda_bagenpct Baha’i: Total (% Adherents) 50
arda_bugenpct Buddhism: Total (% Adherents) 50
arda_bumahpct Buddhism: Mahayana (% Adherents) 51
arda_buthrpct Buddhism: Theravada (% Adherents) 51
arda_changpct Christianity: Anglican (% Adherents) 51
arda_chgenpct Christianity: Roman Catholics (% Adherents) 51
arda_chotpct Christianity: Eastern Orthodox (% Adherents) 52
arda_chothpct Christianity: Other (% Adherents) 52
arda_chprtpct Christianity: Protestants (% Adherents) 52
arda_cogenpct Confucianism: Total (% Adherents) 53
arda_higenpct Hindu: Total (% Adherents) 53
arda_isahmpct Islam: Ahmadiyya (% Adherents) 53
arda_isalapct Islam: Alawite (% Adherents) 53
arda_isgenpct Islam: Total (% Adherents) 54
arda_isibdpct Islam: Ibadhi (% Adherents) 54
arda_islotpct Islam: Other (% Adherents) 54
arda_isnatpct Islam: Nation of Islam (% Adherents) 54
arda_isshipct Islam: Shi’a (% Adherents) 55
arda_issunpct Islam: Sunni (% Adherents) 55
arda_jagenpct Jain: Total (% Adherents) 55
arda_jdgenpct Judaism: Conservative (% Adherents) 55
arda_jdgenpct Judaism: Total (% Adherents) 56
arda_jdorpc Judaism: Orthodox (% Adherents) 56
arda_jdorpc Judaism: Other (% Adherents) 56
arda_jdoprct Judaism: Reform (% Adherents) 56
arda_norelpct Non-religious: Total (% Adherents) 57
arda_shgenpct Shinto: Total (% Adherents) 57
arda_zogenpct Zoroastrian: Total (% Adherents) 58
biu_offrel Official Religion 68
biu_relleg Religious Legislation 68
ccp_freerel Freedom of Religion in Constitution 85
ciri_relfre New Freedom of Religion 93
fh_feb Freedom of Expression and Belief 143
gcb_prel Corruption Perception: Religious Bodies 157
iaep_rbbp Religion Based Banning of Parties 193
oecd_gengovdistri_tv Structure of central gov. expenditures, recreation, culture & relig 229
2.19 Welfare

ffp_eco Economic Decline
oecc_gengovdistri_t1j Structure of central govt. expenditures, social protection
oecc_pension_t1b Private pension expenditure
oecc_socexpnd_t1a Public social expenditure
oecc_socexpnd_t1b Private social expenditure
oecc_socexpnd_t1c Net social expenditure
sc_mp Min Pension replacement rate (single)
sc_mpc Min Pension replacement rate (couple)
sc_sick Sickness replacement rate (single)
sc_sickf Sickness replacement rate (family)
sc_ue Unemployment replacement rate (single)
sc_uecov Unemployment coverage
sc_uef Unemployment replacement rate (family)
sc_uequal Unemployment qualification (weeks)
sc_uewait Unemployment Waiting Period (days)
sgi_so Policy Performance: Social Policies - Overall
sgi_soed Policy Performance: Social Policies - Education
sgi_sofa Policy Performance: Social Policies - Families
sgi_sogi Policy Performance: Social Policies - Global Social Inequalities
sgi_sohe Policy Performance: Social Policies - Health
sgi_soin Policy Performance: Social Policies - Integration Policy
sgi_sope Policy Performance: Social Policies - Pensions
sgi_sosi Policy Performance: Social Policies - Social Inclusion
sgi_sosl Policy Performance: Social Policies - Safe Living Conditions
3 Identification Variables

3.0.1 ccode Country Code
Numeric country code based on the ISO-3166-1 standard. All the numeric country codes are unique and this is thus the variable best suitable to use when merging files (in combination with year for time-series data). (http://en.wikipedia.org/wiki/ISO_3166-1_numeric)

3.0.2 ccodealp 3-letter Country Code
A three-letter country code based on the ISO-3166-1 alpha3 standard. Please note that the ccodealp variable does not uniquely identify all countries.

3.0.3 ccodealp_year 3-letter Country Code and Year
A three-letter country code and year.

3.0.4 ccodecow Country Code COW
Country code from the Correlates of War.

3.0.5 ccodewb Country Code World Bank
Country code from the World Bank.

3.0.6 cname Country Name
The name of the country.

3.0.7 cname_year Country Name and Year
Country name and year.

3.0.8 version Version of the Dataset
Version of the QoG dataset.

3.0.9 year Year
Year.
4 Description of Variables by Original Data Sources

4.1 AidData

[AidData v. 3.1]

AidData’s Core Research Release 3.1 is a corrected snapshot of AidData’s entire project-level database from April 2016. This database includes commitment information for over 1.5 million development finance activities funded between 1947 and 2013, covers 96 donors, and includes ODA, OOF flows, Equity Investments, and Export Credits where available.

4.1.1 aid_cpnc Number of Recipients to whom Commitments were provided (not incl. Int. Org.)

Number of Recipients to whom Commitments were provided, not including International Organizations

<table>
<thead>
<tr>
<th>N</th>
<th>Min. Year</th>
<th>Max. Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>1973</td>
<td>2013</td>
</tr>
</tbody>
</table>

4.1.2 aid_cpsc Sum of Commitments provided to Recipients (not incl. Int. Org.)

Sum of Commitments provided to Recipients, not including International Organizations

<table>
<thead>
<tr>
<th>N</th>
<th>Min. Year</th>
<th>Max. Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>1973</td>
<td>2013</td>
</tr>
</tbody>
</table>

4.1.3 aid_crnc Number of Donors from whom Commitments were received (not incl. Int. Org.)

Number of Donors from whom Commitments were received, not including International Organizations

<table>
<thead>
<tr>
<th>N</th>
<th>Min. Year</th>
<th>Max. Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>1973</td>
<td>2013</td>
</tr>
</tbody>
</table>

47
4.1.4 aid_crnio Number of Int. Org. from whom Commitments were received

Number of International Organizations from whom Commitments were received

<table>
<thead>
<tr>
<th>Variable not included in Cross-Section Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>N: N/A Min. Year: N/A Max. Year: N/A</td>
</tr>
<tr>
<td>Min. Year: 1947 Max. Year: 2013</td>
</tr>
<tr>
<td>N: 33 n: 568 N: 8 T: 17</td>
</tr>
</tbody>
</table>

4.1.5 aid_crscc Sum of Commitments received from Donors (not incl. Int. Org.)

Sum of Commitments received from Donors, not including International Organizations

<table>
<thead>
<tr>
<th>Variable not included in Cross-Section Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>N: N/A Min. Year: N/A Max. Year: N/A</td>
</tr>
<tr>
<td>Min. Year: 1973 Max. Year: 2013</td>
</tr>
<tr>
<td>N: 35 n: 411 N: 10 T: 12</td>
</tr>
</tbody>
</table>

4.1.6 aid_crsio Sum of Commitments received from Int. Org.

Sum of Commitments received from International Organizations

<table>
<thead>
<tr>
<th>Variable not included in Cross-Section Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>N: N/A Min. Year: N/A Max. Year: N/A</td>
</tr>
<tr>
<td>Min. Year: 1947 Max. Year: 2013</td>
</tr>
<tr>
<td>N: 33 n: 568 N: 8 T: 17</td>
</tr>
</tbody>
</table>

4.2 Alesina, Devleeschauwer, Easterly, Kurlat and Wacziarg

http://www.anderson.ucla.edu/faculty_pages/romain.wacziarg/papersum.html
(Alesina et al. 2003)
(Data downloaded: 2019-09-24)

Fractionalization

The variables reflect the probability that two randomly selected people from a given country will not share a certain characteristic, the higher the number the less probability of the two sharing that characteristic. The data was last updated by the authors in 2003. For the QoG Data, the data from the year 2000 is repeated throughout the other years, then, these variables should be taken as historical variables.

4.2.1 al_ethnic2000 Ethnic Fractionalization in the year 2000

Ethnic Fractionalization in the year 2000. The definition of ethnicity involves a combination of racial and linguistic characteristics. The result is a higher degree of fractionalization than the commonly
used ELF-index (see el_elf60) in for example Latin America, where people of many races speak the same language.

4.2.2 al_language2000 Language Fractionalization in the year 2000

Linguistic Fractionalization in the year 2000. Reflects probability that two randomly selected people from a given country will not belong to the same linguistic group. The higher the number, the more fractionalized society.

4.2.3 al_religion2000 Religion Fractionalization in the year 2000

Religious Fractionalization in the year 2000. Reflects probability that two randomly selected people from a given country will not belong to the same religious group. The higher the number, the more fractionalized society.

4.3 The Association of Religion Data Archives

http://www.thearda.com/Archive/CrossNational.asp
(Maoz & Henderson, 2013)
(Data downloaded: 2019-07-22)

World Religion Project: National Religion Dataset

The World Religion Dataset (WRD) aims to provide detailed information about religious adherence worldwide since 1945. It contains data about the number of adherents by religion in each of the states in the international system. These numbers are given for every half-decade period (1945, 1950, etc., through 2010). Percentages of the states’ populations that practice a given religion are also provided. (Note: These percentages are expressed as decimals, ranging from 0 to 1, where 0 indicates that 0 percent of the population practices a given religion and 1 indicates that 100 percent of the population
practices that religion). Some of the religions are divided into religious families. To the extent data are available, the breakdown of adherents within a given religion into religious families is also provided.

The project was developed in three stages. The first stage consisted of the formation of a religion tree. A religion tree is a systematic classification of major religions and of religious families within those major religions. To develop the religion tree a comprehensive literature review was prepared, the aim of which was (i) to define a religion, (ii) to find tangible indicators of a given religion of religious families within a major religion, and (iii) to identify existing efforts at classifying world religions. (Please see the original survey instrument to view the structure of the religion tree). The second stage consisted of the identification of major data sources of religious adherence and the collection of data from these sources according to the religion tree classification. This created a dataset that included multiple records for some states for a given point in time. It also contained multiple missing data for specific states, specific time periods and specific religions. The third stage consisted of cleaning the data, reconciling discrepancies of information from different sources and imputing data for the missing cases.

The National Religion Dataset: The observation in this dataset is a state-five-year unit. This dataset provides information regarding the number of adherents by religions, as well as the percentage of the state’s population practicing a given religion.

4.3.1 arda_agnepct Animist religions: Total (% Adherents)

Animist religions: Total (% Adherents).

| Variable not included in Cross-Section Data |
| N: N/A Min. Year: N/A Max. Year: N/A |
| Min. Year: 1950 Max. Year: 2010 |
| N: 36 n: 400 N: 7 T: 11 |

4.3.2 arda_bagenpct Baha’i: Total (% Adherents)

Baha’i: Total (% Adherents).

| Variable not included in Cross-Section Data |
| N: N/A Min. Year: N/A Max. Year: N/A |
| Min. Year: 1950 Max. Year: 2010 |
| N: 36 n: 400 N: 7 T: 11 |

4.3.3 arda_bugenpct Buddhism: Total (% Adherents)

Buddhism: Total (% Adherents).

| Variable not included in Cross-Section Data |
| N: N/A Min. Year: N/A Max. Year: N/A |
| Min. Year: 1950 Max. Year: 2010 |
| N: 36 n: 400 N: 7 T: 11 |
4.3.4 arda_bunahpct Buddhism: Mahayana (% Adherents)
Buddhism: Mahayana (% Adherents).

4.3.5 arda_buothpct Buddhism: Other (% Adherents)
Buddhism: Other (% Adherents).

4.3.6 arda_buthrpct Buddhism: Theravada (% Adherents)
Buddhism: Theravada (% Adherents).

4.3.7 arda_changpct Christianity: Anglican (% Adherents)
Christianity: Anglican (% Adherents).

4.3.8 arda_chcatpct Christianity: Roman Catholics (% Adherents)
Christianity: Roman Catholics (% Adherents).
4.3.9 arda_chgenpct Christianity: Total (% Adherents)

Christianity: Total (% Adherents).

4.3.10 arda_chortpct Christianity: Eastern Orthodox (% Adherents)

Christianity: Eastern Orthodox (% Adherents).

4.3.11 arda_chothpct Christianity: Other (% Adherents)

Christianity: Other (% Adherents).

4.3.12 arda_chrtpct Christianity: Protestants (% Adherents)

Christianity: Protestants (% Adherents).
4.3.13 arda_cogenpct Confucianism: Total (% Adherents)
Confucianism: Total (% Adherents).

4.3.14 arda_higenpct Hindu: Total (% Adherents)
Hindu: Total (% Adherents).

4.3.15 arda_isahmpct Islam: Ahmadiyya (% Adherents)
Islam: Ahmadiyya (% Adherents).

4.3.16 arda_isalapct Islam: Alawite (% Adherents)
Islam: Alawite (% Adherents).
4.3.17  arda_isgenpct Islam: Total (% Adherents)
Islam: Total (% Adherents).

4.3.18  arda_isibdpct Islam: Ibadhi (% Adherents)
Islam: Ibadhi (% Adherents).

4.3.19  arda_islotpct Islam: Other (% Adherents)
Islam: Other (% Adherents).

4.3.20  arda_isnatpct Islam: Nation of Islam (% Adherents)
Islam: Nation of Islam (% Adherents).
4.3.21 arda_isshipct Islam: Shi’a (% Adherents)
Islam: Shi’a (% Adherents).

4.3.22 arda_isunpct Islam: Sunni (% Adherents)
Islam: Sunni (% Adherents).

4.3.23 arda_jagenpct Jain: Total (% Adherents)
Jain: Total (% Adherents).

4.3.24 arda_idcnpct Judaism: Conservative (% Adherents)
Judaism: Conservative (% Adherents).
4.3.25  arda_jdgenpct Judaism: Total (% Adherents)

Judaism: Total (% Adherents).

4.3.26  arda_idorpct Judaism: Orthodox (% Adherents)

Judaism: Orthodox (% Adherents).

4.3.27  arda_idotpct Judaism: Other (% Adherents)

Judaism: Other (% Adherents).

4.3.28  arda_idrftpct Judaism: Reform (% Adherents)

Judaism: Reform (% Adherents).
4.3.29  *arda_norelpct* Non-religious: Total (% Adherents)

Non-religious: Total (% Adherents).

4.3.30  *arda_otgenpct* Other religions: Total (% Adherents)

Other religions: Total (% Adherents).

4.3.31  *arda_shgenpct* Shinto: Total (% Adherents)

Shinto: Total (% Adherents).

4.3.32  *arda_sigenpct* Sikh: Total (% Adherents)

Sikh: Total (% Adherents).
4.3.33 arda_sygenpct Syncretic religions: Total (% Adherents)
Syncretic religions: Total (% Adherents).

4.3.34 arda_tagenpct Taoism: Total (% Adherents)
Taoism: Total (% Adherents).

4.3.35 arda_zogenpct Zoroastrian: Total (% Adherents)
Zoroastrian: Total (% Adherents).

4.4 Alliance Treaty Obligations and Provisions Project (ATOP)
http://www.atopdata.org/
(Leeds et al., 2002)
(Data downloaded: 2019-07-11)
The ATOP State-Year dataset

The Alliance Treaty Obligations and Provisions (ATOP) project provides data regarding the content of military alliance agreements signed by all countries of the world between 1815 and 2016.

4.4.1 atop_ally Member of an Alliance

Member of an Alliance

0. Not a member of an alliance
1. Member of an alliance

N: 36

N: 36 n: 2048 T: 57

4.4.2 atop_consult Consultancy Obligation

Consultancy Obligation

0. Has no Consultancy obligations
1. Has Consultancy obligations

N: 36

N: 36 n: 2048 T: 57

4.4.3 atop_defensive Defensive Obligation

Defensive Obligation

0. Has no defensive obligations
1. Has defensive obligations

N: 36

N: 36 n: 2048 T: 57

4.4.4 atop_neutrality Neutrality Obligation

Neutrality Obligation

0. Has no Neutrality obligations
1. Has Neutrality obligations
4.4.5 atop_nonagg Non-Aggression Obligation

Non-Aggression Obligation

0. Has no Non-Aggression obligations
1. Has Non-Aggression obligations

4.4.6 atop_number Number of Alliances

Number of Alliances

4.4.7 atop_offensive Offensive Obligation

Offensive Obligation

0. Has no offensive obligations
1. Has offensive obligations

4.4.8 atop_transyr Transition Year

Transition Year
4.5 Sherppa Ghent University

http://users.ugent.be/~sastanda/BCI/BCI.html
(Standaert, 2015)
(Data downloaded: 2019-06-13)

The Bayesian Corruption Index

The Bayesian Corruption Index is a composite index of the perceived overall level of corruption: with corruption referred to as the “abuse of public power for private gain”. Perceived corruption: Given the hidden nature of corruption, direct measures are hard to come by, or inherently flawed (e.g. the number of corruption convictions). Instead, we amalgamate the opinion on the level of corruption from inhabitants of the country, companies operating there, NGOs, and officials working both in governmental and supra-governmental organizations. Composite: it combines the information of 20 different surveys and more than 80 different survey questions that cover the perceived level of corruption.

It is an alternative to the other well-known indicators of corruption perception: the Corruption Perception Index (CPI) published by Transparency International and the Worldwide Governance Indicators (WGI) published by the World Bank. Methodologically, it is most closely related to the latter as the methodology used in the construction of the BCI can be seen as an augmented version of the Worldwide Governance Indicators’ methodology.

The augmentation allows an increase of the coverage of the BCI: a 60% to 100% increase relative to the WGI and CPI, respectively. In addition, in contrast to the WGI or CPI, the underlying source data are entered without any ex-ante imputations, averaging or other manipulations. This results in an index that truly represents the underlying data, unbiased by any modeling choices of the composer.

4.5.1 bci The Bayesian Corruption Indicator

The BCI index values lie between 0 and 100, with an increase in the index corresponding to a raise in the level of corruption. This is a first difference with CPI and WGI where an increase means that the level of corruption has decreased.

There exists no objective scale on which to measure the perception of corruption and the exact scaling you use is to a large extent arbitrary. However, we were able to give the index an absolute scale: zero corresponds to a situation where all surveys say that there is absolutely no corruption. On the other hand, when the index is one, all surveys say that corruption is as bad as it gets according to their scale. This is another difference with CPI and WGI, where the scaling is relative. They are rescaled such that WGI has mean 0 and a standard deviation of 1 in each year, while CPI always lies between 0 and 100.

In contrast, the actual range of values of the BCI will change in each year, depending how close countries come to the situation where everyone agrees there is no corruption at all (0), or that corruption is as bad as it can get (100).

The absolute scale of the BCI index was obtained by rescaling all the individual survey data such that
zero corresponds to the lowest possible level of corruption and 1 to the highest one. We subsequently rescaled the BCI index such that when all underlying indicators are zero (one), the expected value of the BCI index is zero (hundred).

4.5.2 bci_bclistd The standard deviation of The Bayesian Corruption Indicator

The standard deviation of the Bayesian Corruption Index.

4.6 The World Conservation Union Red List of Threatened Species

https://www.iucnredlist.org/resources/summary-statistics
(International Union for Conservation of Nature and Natural Resources 2019)
(Data downloaded: 2019-07-11)

IUCN Red List of Threatened Species (version 2019-1)

The IUCN Red List of Threatened Species is widely recognized as the most comprehensive, objective global approach for evaluating the conservation status of plant and animal species. From its small beginning, The IUCN Red List has grown in size and complexity and now plays an increasingly prominent role in guiding conservation activities of governments, NGOs and scientific institutions. The introduction in 1994 of a scientifically rigorous approach to determine risks of extinction that is applicable to all species, has become a world standard.

Note: For reptiles, fishes, molluscs, other invertebrates, plants, fungi & protists: there are still many species that have not yet been assessed for the IUCN Red List and therefore their status is not known (i.e., these groups have not yet been completely assessed). Therefore the figures presented below for these groups should be interpreted as the number of species known to be threatened within those species that have been assessed to date, and not as the overall total number of threatened species for each group.

We advise users to abstain from making comparisons through time using this data, given that there could be changes to the methodology for the country reports.

4.6.1 bi_amphibians Threatened Species: Amphibians

Threatened Species: Amphibians (Total number of species reported as endangered per country)
4.6.2 **bi_birds** Threatened Species: Birds

Threatened Species: Birds (Total number of species reported as endangered per country)

4.6.3 **bi_fishes** Threatened Species: Fishes

Threatened Species: Fishes (Total number of species reported as endangered per country)

4.6.4 **bi_fungiprot** Threatened Species: Fungi and Protists

Threatened Species: Fungi and Protists (Total number of species reported as endangered per country)

4.6.5 **bi_mammals** Threatened Species: Mammals

Threatened Species: Mammals (Total number of species reported as endangered per country)
4.6.6  **bi_molluscs Threatened Species: Molluscs**
Threatened Species: Molluscs (Total number of species reported as endangered per country)

4.6.7  **bi_othinverts Threatened Species: Other Inverts**
Threatened Species: Other Inverts (Total number of species reported as endangered per country)

4.6.8  **bi_plants Threatened Species: Plants**
Threatened Species: Plants (Total number of species reported as endangered per country)

4.6.9  **bi_reptiles Threatened Species: Reptiles**
Threatened Species: Reptiles (Total number of species reported as endangered per country)
4.6.10 bi_total Threatened Species: Total
Threatened Species: Total (Total number of species reported as endangered per country)

4.7 Bonn International Center for Conversion
http://gmi.bicc.de/
(Mutschler, Max. M and Marius Bales, 2018)
(Data downloaded: 2019-10-01)

Global Militarization Index
Compiled by BICC, the Global Militarization Index (GMI) presents on an annual basis the relative weight and importance of a country’s military apparatus in relation to its society as a whole. The GMI 2018 covers 155 countries and is based on the latest available figures (in most cases data for 2017). The index project is financially supported by Germany’s Federal Ministry for Economic Cooperation and Development.

4.7.1 bicc_gmi Global Militarization Index
The Global Militarization Index is divided into three overarching categories: expenditure, personnel and heavy weapons. (See variables bicc_milexp, bicc_milper, and bicc_hw).

In order to increase the compatibility between different indicators and preventing extreme values from creating distortions when normalizing data, in a first step every indicator was represented in a logarithm with the factor 10. Second, all data was normalized using the formula \( x = \frac{y - \text{min}}{\text{max} - \text{min}} \), with min and max representing, respectively, the lowest and the highest value of the logarithm.
In a third step, every indicator was weighted in accordance to a subjective factor, reflecting the relative importance attributed to it by BICC researchers. In order to calculate the final score, the weighted indicators were added together and then normalized one last time on a scale ranging from 0 to 1,000. For better comparison of individual years, all years were finally normalized.

Weighting Factors used:
Military expenditures as percentage of GDP - 5
Military expenditures in relation to health spending - 3
Military and paramilitary personnel in relation to population - 4
Military reservers in relation to population - 2
Military and paramilitary personnel in relation to physicians - 2
Heavy weapons in relation to population - 4

4.7.2 bicc_hw Heavy Weapons Index

The GMI takes into consideration the number of an armed forces’ heavy weapons in relation to the total population. Heavy weapons are defined here as any piece of military equipment which fits into either one of four categories: armored vehicles (armored personnel carriers, light tanks, main battle tanks), artillery (multiple rocket launchers, self-propelled artillery, towed artillery) above 100mm caliber, combat aircraft (attack helicopters, fixed-wing fighter aircraft), and major fighting ships (submarines, major surface combatants above corvette size). Data on weapons holdings was collected by BICC from different sources, mainly the Military Balance from ISS. Data on small arms and light weapons (SALW) is not only extremely difficult to obtain but also unreliable and was thus not included in the GMI.

4.7.3 bicc_milexp Military Expenditure Index

Military spending in relation to GDP and health spending are the most important indicators for determining the level of militarization. Financial resources which are made available via the military budget by a government are an important factor which affects capacities and size of a state’s armed forces. The other indicator the GMI uses is the comparison between the total military budget and government spending on health services.

Figures for military expenditure are compiled from the data base of the Stockholm Peace Research Institute SIPRI. Even though SIPRI may currently be regarded as the most reliable source, data on military expenditure has to be treated with extreme caution. For many countries, especially in the developing world and autocratic states, the figures are but rough estimates. In cases where SIPRI does not provide any up-to-date information, we adopted the latest available figures provided they were no older than three years.

Data on gross domestic product was taken from the International Monetary Fund. Data on health expenditure used have been extracted from the data base of the World Health Organization.
4.7.4 bicc_milper Military Personnel Index

the level of militarization is also represented by the relation of military personnel to the total population and physicians. The first and most important indicator in this category is the active (para)military personnel to the total population. Paramilitary personnel were included here, since in many countries the regular military alone does not adequately reflect the total size of the armed forces. The main criterion for coding an organizational entity as either military or paramilitary is that the forces in question are under the direct control of the government in addition to being armed, uniformed and garrisoned.

For a comprehensive presentation of the available personnel and an adequate representation of the relative level of militarization, a second indicator in this category takes into account the percentage of reserve forces in the total population. This factor is relevant for some countries, such as Switzerland that have a comparably small standing army but a more substantial amount of available reserves within society. The third indicator compares the total amount of military and paramilitary forces with the number of physicians in a country in order to express the relation between military and non-military expertise in a society.

All data on military personnel was compiled from the Military Balance, the yearbook published by the Institute for Strategic and International Studies (IISS). Population size figures were taken from the Vital Statistics Report of the United Nations; data on the number of physicians from the World Health Organization.

4.8 Bar-Ilan University

http://www.thearda.com/Archive/Files/Descriptions/RAS3.asp

(Book 2011) (Fox 2015) (Fox 2019) (Fox et al. 2018)
(Data downloaded: 2019-06-14)

Religion and State Project

The Religion and State (RAS) project is a university-based project located at Bar Ilan University in Ramat Gan, Israel. Its goal is to create a set of measures that systematically gauge the intersection between government and religion. Specifically, it examines government religion policy. The project’s goals are threefold:

- To provide an accurate description of government religion policies worldwide.
- To create a tool which will lead to greater understanding of the factors which influence government religion policy.
- To provide the means to examine how government religion policy influences other political, social, and economic factors as well as how those factors influence government religion policy.

Round 2 of the RAS dataset, which is currently the official version available for download, measures the extent of government involvement in religion (GIR) or the lack thereof for 175 states on a yearly basis between 1990 and 2008. This constitutes all countries with populations of 250,000 or more as well as a sampling of smaller states. The data includes the following information:

Official Religion: A 15 value variable which measures the official relationship between religion and
the state. This includes five categories of official religions and nine categories of state-religion relationships which range from unofficial support for a single religion to overt hostility to all religions.

Religious Support: This includes 51 separate variables which measure different ways a government can support religion including financial support, policies which enforce religious laws, and other forms of entanglement between government and religion.

Religious Restrictions: This includes 29 separate variables which measure different ways governments regulate, restrict, or control all religions in the state including the majority religion. This includes restrictions on religion’s political role, restrictions on religious institutions, restrictions on religious practices, and other forms of regulation, control, and restrictions.

Religious Discrimination: This includes 30 types of restrictions that are placed on the religious institutions and practices of religious minorities that are not placed on the majority group. This includes restrictions on religious practices, restrictions on religious institutions and clergy, restrictions on conversion and proselytizing, and other restrictions.

The dataset also includes several sets of detailed variables measuring certain policies in depth. These topics include religious education, the registration of religious organizations, restrictions on abortion, restrictions on proselytizing, and religious requirements for holding public office or citizenship.

4.8.1 biu_offrel Official Religion
Official Religion measures whether the government has an established religion. For a religion to be established there must be a constitutional clause, a law, or the equivalent explicitly stating that a specific religion or specific religions are the official religions of that state. This variable is coded on the following scale:

0. The State has no official religion
1. The state has multiple established religions
2. The state has one established religion

4.8.2 biu_relleg Religious Legislation
Composite measure of religious legislation, 2014 (higher scores indicate higher levels of religious legislation).
Educational Attainment Dataset

The Barro-Lee Data set provide data disaggregated by sex and by 5-year age intervals. It provides educational attainment data for 146 countries in 5-year intervals from 1950 to 2010. It also provides information about the distribution of educational attainment of the adult population over age 15 and over age 25 by sex at seven levels of schooling - no formal education, incomplete primary, complete primary, lower secondary, upper secondary, incomplete tertiary, and complete tertiary. Average years of schooling at all levels - primary, secondary, and tertiary - are also measured for each country and for regions in the world. Aside from updating and expanding the previous estimates (1993, 1996, and 2001), the accuracy of estimation in the current version is improved by using more information and better methodology. To reduce measurement error, the new estimates are constructed using recently available census/survey observations from consistent census data, disaggregated by age group, and new estimates of mortality rate and completion rate by age and by education.

4.9.1 bl_asyf Average Schooling Years, Female

Average Schooling Years, Female (25+).

![Graph](image)

<table>
<thead>
<tr>
<th>N: N/A</th>
<th>Min. Year: N/A</th>
<th>Max. Year: N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. Year: 1950</td>
<td>Max. Year: 2010</td>
<td></td>
</tr>
<tr>
<td>N: 36</td>
<td>n: 401</td>
<td>T: 11</td>
</tr>
</tbody>
</table>

4.9.2 bl_asym Average Schooling Years, Male

Average Schooling Years, Male (25+).

![Graph](image)

<table>
<thead>
<tr>
<th>N: N/A</th>
<th>Min. Year: N/A</th>
<th>Max. Year: N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. Year: 1950</td>
<td>Max. Year: 2010</td>
<td></td>
</tr>
<tr>
<td>N: 36</td>
<td>n: 401</td>
<td>T: 11</td>
</tr>
</tbody>
</table>

4.9.3 bl_asymf Average Schooling Years, Female and Male

Average Schooling Years, Female and Male (25+).

![Graph](image)

<table>
<thead>
<tr>
<th>N: N/A</th>
<th>Min. Year: N/A</th>
<th>Max. Year: N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. Year: 1950</td>
<td>Max. Year: 2010</td>
<td></td>
</tr>
<tr>
<td>N: 36</td>
<td>n: 401</td>
<td>T: 11</td>
</tr>
</tbody>
</table>
4.9.4 bl_lhf Percentage with Tertiary Schooling, Female
Percentage with Tertiary Schooling, Female (25+).

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A
Min. Year: 1950 Max. Year: 2010
N: 36 n: 401 \( \bar{X} \): 7 \( T \): 11

4.9.5 bl_lhm Percentage with Tertiary Schooling, Male
Percentage with Tertiary Schooling, Male (25+).

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A
Min. Year: 1950 Max. Year: 2010
N: 36 n: 401 \( \bar{X} \): 7 \( T \): 11

4.9.6 bl_lhmf Percentage with Tertiary Schooling, Female and Male
Percentage with Tertiary Schooling, Female and Male (25+).

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A
Min. Year: 1950 Max. Year: 2010
N: 36 n: 401 \( \bar{X} \): 7 \( T \): 11

4.9.7 bl_lpf Percentage with Primary Schooling, Female
Percentage with Primary Schooling, Female (25+).

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A
Min. Year: 1950 Max. Year: 2010
N: 36 n: 401 \( \bar{X} \): 7 \( T \): 11

4.9.8 bl_lpm Percentage with Primary Schooling, Male
Percentage with Primary Schooling, Male (25+).
4.9.9  bl_ipmf Percentage with Primary Schooling, Female and Male
Percentage with Primary Schooling, Female and Male (25+).

4.9.10  bl_lsf Percentage with Secondary Schooling, Female
Percentage with Secondary Schooling, Female (25+).

4.9.11  bl_km Percentage with Secondary Schooling, Male
Percentage with Secondary Schooling, Male (25+).

4.9.12  bl_lsmf Percentage with Secondary Schooling, Female and Male
Percentage with Secondary Schooling, Female and Male (25+).
4.9.13  bl_luf Percentage with No Schooling, Female
Percentage with No Schooling, Female (25+).

4.9.14  bl_lum Percentage with No Schooling, Male
Percentage with No Schooling, Male (25+).

4.9.15  bl_lumf Percentage with No Schooling, Female and Male
Percentage with No Schooling, Female and Male (25+).

4.10  Carles Boix, Michael K. Miller and Sebastian Rosato
https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/FJLMKT
(Boix et al., 2018)
(Data downloaded: 2019-07-18)
Boix-Miller-Rosato Dichotomous Coding of Democracy, 1800-2010

This data set provides a dichotomous coding of democracy from 1800 until 2017, however QoG data contains information from 1946 onwards. Authors define a country as democratic if it satisfies conditions for both contestation and participation. Specifically, democracies feature political leaders chosen through free and fair elections and satisfy a threshold value of suffrage.

4.10.1 bmr_dem Dichotomous democracy measure

Dichotomous democracy measure.

4.10.2 bmr_dembr Number of previous democratic breakdowns

Previous number of democratic breakdowns.

4.10.3 bmr_demdur Consecutive years of current regime type

Consecutive years of current regime type.

4.10.4 bmr_demmis Dichotomous democracy measure (incl. missing for some countries)

This is the same measure as democracy (bmr_dem), except it records an NA for countries occupied during an international war (e.g., the Netherlands 1940-44) or experiencing state collapse during a civil war (e.g., Lebanon 1976-89). The democracy variable instead fills in these years as continuations of the same regime type.
4.10.5 bmr_dem tr an Democratic transition

(-1) Democratic breakdown
(0) No change
(1) Democratic transition

4.11 Bernhard, Nordstrom and Reenock

http://users.clas.ufl.edu/bernhard/content/data/data.htm

(Bernhard et al., 2001)
(Data downloaded: 2018-07-19)

Event History Coding of Democratic Breakdowns

Binary coding of all democracies from 1913 until 2005 prepared for use in event history analysis.

4.11.1 bnr_dem Democratic Breakdown

The variable is a binary coding of all democracies from 1913 until 2005 (included in the QoG dataset are only the years 1946-2005) prepared for use in event history analysis. Countries that meet the minimum conditions for democracy (see below) enter the dataset and are coded “0”. When countries cease to meet those minimum criteria they are coded “1” and exit from the dataset. If, after a democratic breakdown, a country again meets our minimum criteria it re-enters the data as a new democratic episode. The time frame onset in 1913 is a function of when the first country (Norway) meets the minimum conditions. All series terminate either in a breakdown in various years or right censorship in 2005. The minimal conditions are based on Dahl’s notion of polyarchy (competitiveness, inclusiveness) combined with Linz and Stepan’s statelessness criteria.

Competitiveness: Countries that hold elections for both the executive and legislature, and in which more than one party contests the elections, are included. However, we exclude cases in which we detected outcome changing vote fraud, in which there was either extensive or extreme violence that inhibited voters’ preference expression, or in which political parties representing a substantial portion of the population were banned.

Inclusiveness: We only include competitive polities in which at least fifty percent of all adult citizens are enfranchised to vote in our set of democracies.

Statelessness: We also considered questions of sovereignty, not including colonial states, where founding
elections were held prior to the granting of independence, and countries experiencing internal wars in which twenty percent or greater of the population or territory was out of control of the state.

4.12 Forman-Rabinovici and Sommer

https://people.socsci.tau.ac.il/mu/udis/the-comparative-abortion-index-project/

[Forman-Rabinovici & Sommer] 2018
(Data downloaded: 2019-11-05)

The Comparative Abortion Index Project

The comparative abortion index quantifies the permissiveness of abortion policies worldwide, accounting for a variety of considerations. It aims to provide researchers with a tool to assess trends in worldwide reproductive rights, and to study how these changes over time and space occur. It is unique in its breadth and its method. Not only does it include a scale that reflects the number of criteria accepted as grounds for abortion, but it includes a second scale which gives weighted scores to each criterion, based on how common it is. These data are relevant for anyone interested in tracking trends in women’s rights, public health policy, and reproductive rights policy over time.

The dataset covers 192 countries from 1992-2015. The UN Department of Social and Economic Affairs has published a global review of abortion policy since 1992. For this database, all reviews published between 1992 and 2015 were collected. The report offers seven criteria under which state law may allow access to abortion services; saving a woman’s life, preserving a woman’s physical health, preserving a woman’s mental health, in case of rape or incest, in case of fetal impairment, for social or economic reasons and on request.

Each country-year is given a score based on the number of legal criteria accepted as grounds for abortion. In the first version of the index (CAI1), each criterion is given equal weight and the score is a direct reflection of the number of conditions the country accepts. Thus, a country that has no conditions under which a woman can receive an abortion gets a score of 0. A country, in which a woman may access an abortion under all conditions including on request, receives a score of 7.

For the purposes of robustness, and to fix a potential measurement flaw in the first index, we also offer a weighted index (CAI2). The first scale does not account for the different degrees of acceptance that each criterion represents. It would be imprecise, for instance, to suggest that the criterion of saving a woman’s life is equivalent to (and thus carries the same weight as) allowing abortion on demand. The more permissive the criterion, the less likely that it is universally accepted. Accordingly, the weight of each criterion (W_i) will be determined based on the percentage (P_i) of countries that allow that condition. In the weighted index, countries are given a score on a scale of 0 to 1, where 0 represents countries in which there are no conditions for legal abortion, and 1 represents a country that accepts all criteria for abortion, including on request.

4.12.1 cai_cai1 Comparative Abortion Index 1 (0 to 7)

The scale quantifies grounds on which a country might grant legal access to abortion: saving a woman’s life, preserving a woman’s physical health, preserving a woman’s mental health, in case of
rape or incest, in case of fetal impairment, for social or economic reasons, and on request. 0 represents a country with a complete ban on abortions. 7 represents a country that allows abortions on request.

4.12.2 cai_cai2 Comparative Abortion Index 2 (0 to 1)
Using the 7 grounds for legal abortion, the weight of each grounds (Wi) will be determined based on the percentage (Pi) of countries that allow it. In the weighted index, countries are given a score on a scale of 0-1, where 0 represents countries in which there are no conditions for legal abortion, and 1 represents a country that accepts all criteria for abortion, including on request. The need for a weighted scale is as follows: It would be imprecise, for instance, to suggest that the criterion of saving a woman’s life is equivalent to (and thus carries the same weight as) allowing abortion on demand. The more permissive the criterion, the less likely that it is universally accepted. Thus, the scale accounts for the different degrees of acceptance that each criterion represents.

4.12.3 cai_fetal Foetal impairment is accepted as grounds for legal abortion
Binary variable that codes whether or not foetal impairment is accepted as grounds for a legal abortion. 1 means that it is accepted as grounds for abortion. 0 means that it is illegal, and not accepted as grounds for legal abortion.

4.12.4 cai_life Threat to mother’s life is accepted as grounds for legal abortion
Binary variable that codes whether or not threat to a mother’s life is accepted as grounds for a legal abortion. 1 means that it is accepted as grounds for abortion. 0 means that it is illegal, and not accepted as grounds for legal abortion.
4.12.5 cai_mental Threat to mother’s mental health is accepted as grounds for legal abortion

Binary variable that codes whether or not threat to a mother’s mental health is accepted as grounds for a legal abortion. 1 means that it is accepted as grounds for abortion. 0 means that it is illegal, and not accepted as grounds for legal abortion.

4.12.6 cai_physical Threat to mother’s physical health is accepted as grounds for legal abortion

Binary variable that codes whether or not threat to a mother’s physical health is accepted as grounds for a legal abortion. 1 means that it is accepted as grounds for abortion. 0 means that it is illegal, and not accepted as grounds for legal abortion.

4.12.7 cai_rape Pregnancy as result of rape or incest is accepted as grounds for legal abortion

Binary variable that codes whether or not pregnancy as a result of rape or incest is accepted as grounds for a legal abortion. 1 means that they are accepted as grounds for abortion. 0 means that it is illegal, and they are not accepted as grounds for legal abortion.
4.12.8  
**cai_request Abortion is available on request**

Binary variable that codes whether abortion is available on request. In other words, if there is complete legal access to abortion, 1 implies that there is complete access to abortion. 0 implies that there are limitations, and abortion services are not legally available upon request.

N: 36

4.12.9  
**cai_social Social or economic reasons are accepted as grounds for legal abortion**

Binary variable that codes whether or not social or economic reasons are accepted as grounds for a legal abortion. 1 means that they are accepted as grounds for abortion. 0 means that it is illegal, and they are not accepted as grounds for legal abortion.

N: 36

4.13  
**Coppedge, Alvarez and Maldonado**

[http://www3.nd.edu/~mcoppedg/crd/datacrd.htm](http://www3.nd.edu/~mcoppedg/crd/datacrd.htm)

(Data downloaded: 2019-07-23)

**Contestation and Inclusiveness, 1950-2000**

These are the two principal components of 13-15 indicators of democracy, including those compiled by Freedom House; Polity; Arthur Banks; Alvarez, Cheibub, Limongi, and Przeworski, as updated by Cheibub and Gandhi; Bollen; and Cingranelli and Richards. The dataset covers most countries in the world from 1950 through 2000. In an article in the Journal of Politics (July 2008), the authors argue that these principal components, which capture 75 percent of variation in the most commonly used democracy indicators, measure Robert Dahl’s two dimensions of polyarchy: contestation and inclusiveness.

4.13.1  
**cam_contest Contestation (standardized version)**

Contestation standardized to be comparable across years.
4.13.2 Inclusiveness (standardized version)
Inclusiveness standardized to be comparable across years.

4.14 Ana Carolina Garriga

https://sites.google.com/site/carogarriga/cbi-data-1?authuser=0
(Garriga, 2016)
(Data downloaded: 2019-08-29)

Central Bank Independence Dataset

The Central Bank Independence Dataset is the most comprehensive data set on de jure central bank independence (CBI) available to date. The data set identifies statutory reforms affecting CBI, their direction, and the attributes necessary to build the Cukierman, Webb, and Neyapti (1992) (CWN) index in 190 countries between 1970 and 2012.

This data set codes the existence of reforms in 6,745 observations and computes the CWN index for 5,840 observations. The data coverage not only allows researchers to test competing explanations on the determinants and effects of CBI in both developed and developing countries, but it also provides a useful instrument for cross-national studies in diverse fields.

4.14.1 Central Bank Independence unweighted index

CBI unweighted index: Raw average of the four components: Chief Executive Officer, Objectives, Policy Formulation and Limitations on lending to the government. It ranges from 0 (minimum) to 1 (maximum) CBI.
4.14.2 cbi_cbiw Central Bank Independence weighted index

CBI weighted index: Weighted average of the four components (weights between parentheses), following Cukierman, Webb and Neyapti’s (1992) criteria: Chief Executive Officer (0.20), Objectives (0.15), Policy Formulation (0.15), and Limitations on lending to the government (0.5). It ranges from 0 (minimum) to 1 (maximum) CBI.

4.14.3 cbi_ceeo Component 1: Chief executive officer

Component 1: Chief executive officer. Weighted average of the following variables (weights between parentheses): Term of office of CEO (0.25), Who appoints the CEO (0.25), Provisions for dismissal of CEO (0.25), CEO allowed to hold another office in government (0.25).

4.14.4 cbi_cll Component 4: Limitations on lending to the government

Component 4: Limitations on lending to the government. Weighted average of the following variables (weights between parentheses): Limitations on advances (0.30); Limitations on securitized lending (0.20); Who decides the terms of lending to government (0.20); Beneficiaries of central bank lending (0.10); Type of limits when they exist (0.05); Maturity of loans (0.05); Restrictions on interest rates (0.05); Prohibition on central bank lending in primary market to Government (0.05).

4.14.5 cbi_cobj Component 2: Objectives

Component 2: Objectives. Central bank objectives as stated in the law (coding between parentheses): Price stability is the major or only objective, and in case of conflict with other objectives, the Central Bank has final authority (1); Price stability is the only objective (0.8); Price stability is one of the objectives, with other compatible objectives (0.6); Price stability is one of the objectives, with other potentially conflicting goals (0.4); Central Bank charter does not contain any objective (0.2); Some objectives appear in the charter but price stability is not one of them (0).
4.14.6  cbi_cpol Component 3: Policy formulation

Component 3: Policy formulation. Weighted average of the following variables (weights between parentheses): Who formulates monetary policy (0.25); Who has the final decision in monetary policy (0.50); Role of the central bank in the budget process (0.25).

4.14.7  cbi_create Year of law creating the central bank

1 indicates the year of the law creating the central bank, 0 otherwise.

4.14.8  cbi_dec Year of a reform that decreased central bank independence

1 indicates the year of a reform that decreased CBI, according to the CBI weighted index, 0 otherwise.

4.14.9  cbi_dir Effect of the central bank reform on the weighted index

Effect of the central bank reform on the CBI weighted index: 1 indicates an increase in CBI; 0 indicates no changes in the level of CBI; 1 indicates the presence of a central bank reform that increased CBI.
4.14.10  cbi_inc Year of a reform that increased central bank independence
1 indicates the year of a reform that increased CBI, according to the CBI weighted index, 0 otherwise.

4.14.11  cbi_ref Year of a reform that affects the central bank independence
1 indicates the year of a reform that affects CBI, 0 otherwise.

4.14.12  cbi_reg Whether the central bank is a regional organization
Indicates whether the central bank is a regional organization (1), or a national central bank (0).

4.15  The Comparative Constitutions Project
http://comparativeconstitutionsproject.org/
[Elkins et al., 2014]
(Data downloaded: 2019-10-23)
Characteristics of National Constitutions

This dataset presents records of the characteristics of national constitutions written since 1789. Each constitutional text is coded twice by different coders working independently. To maximize the reliability of the final data, the discrepancies between these two codings are reconciled by a third individual—a reconciler. This is the second public release of data (version 2.0) on the content of constitutions. Authors rely on Ward and Gleditsch’s list to identify which countries are independent in a given year. There are utilized two concepts to categorize constitutional texts. A constitutional system encompasses the period in which a constitution is in force before it is replaced or suspended. A constitutional event is any change to a country’s constitution, including adoption, amendment, suspension, or reinstatement. For years in which there are multiple events, the constitution is coded as it stood in force at the end of the year. For example, if a constitution was amended the same year as it was adopted, the content of the constitution is coded as amended rather than as originally adopted. In addition, since events are (often) in force for multiple years, authors interpolated the data associated each event across all country-years in which that event was in force. Note that this is an extremely conservative interpolation strategy because most constitutional amendments do not change many provisions. As a result, for most variables, one can safely interpolate across constitutional systems.

4.15.1 ccp_buildsoc Duty of the People is to Build Country in Constitution

Does the constitution refer to a duty of the people to take part in building society or to work for the development of the country?

1. Yes
2. No
96. Other

4.15.2 ccp_cc Corruption Commission Present in Constitution

Does the constitution contain provisions for a counter corruption commission?

1. Yes
2. No
96. Other
97. Unable to determine

4.15.3 ccp_childwrk Limits on Child Work in Constitution

Does the constitution place limits on child employment?

1. Yes
2. No
90. Left explicitly to non-constitutional law
96. Other

4.15.4 ccp_civil Meritocratic Recruitment of Civil Servants Mentioned in Constitution
Does the constitution include provisions for the meritocratic recruitment of civil servants (e.g. exams or credential requirements)?
1. Yes
2. No
96. Other

4.15.5 ccp_democ Reference in Constitution to Democracy
Does the constitution refer to “democracy” or “democratic”?
1. Yes
2. No

4.15.6 ccp_equal Equality Before the Law Mentioned in Constitution
Does the constitution refer to equality before the law, the equal rights of men, or non-discrimination?
1. Yes
2. No
96. Other
4.15.7  ccp_freerel Freedom of Religion in Constitution

Does the constitution provide for freedom of religion?

1. Yes
2. No
96. Other

4.15.8  ccp_hr Human Rights Commission Present in Constitution

Does the constitution contain provisions for a human rights commission?

1. Yes
2. No
96. Other

4.15.9  ccp_infoacc Right to Government Documents in Constitution

Does the constitution provide for an individual right to view government files or documents under at least some conditions?

1. Yes
2. No
96. Other
4.15.10  ccp_initiat Legislative Initiative Allowed

Does the constitution provide for the ability of individuals to propose legislative initiatives?

1. Yes  
2. No  
96. Other

4.15.11  ccp_market Reference in Constitution to Capitalism

Does the constitution refer to the “free market,” “capitalism,” or an analogous term?

1. Yes  
2. No  
96. Other

4.15.12  ccp_marriage Right to Marry in Constitution

Does the constitution provide for the right to marry?

1. Yes, general provision  
2. Yes, marriage allowed between a man and a woman  
3. No  
90. Left explicitly to non-constitution law  
96. Other
4.15.13  ccp_samesexm Right to Same-Sex Marriages in Constitution

Does the constitution provide the right for same sex marriages?

1. Yes
2. No
96. Other

4.15.14  ccp_slave Status of Slavery in Constitution

Does the constitution prohibit slavery, servitude, or forced labor?

1. Universally prohibited
2. Prohibited except in the case of war
3. Prohibited with other exception(s)n
90. Left explicitly to non-constitutional law
96. Other
98. Not specified

4.15.15  ccp_socialism Reference in Constitution to Socialism

Does the constitution refer to “socialism” or “socialist”? 

1. Yes
2. No
96. Other
4.15.16  **ccp_strik** Right to Strike in Constitution

Does the constitution provide for a right to strike?

1. Yes
2. Yes, but with limitations
3. No
46. Other

4.15.17  **ccp_syst** New Constitutional System

Identifies new constitutional systems.

4.15.18  **ccp_systyear** Year in which the Constitutional System was Promulgated

Year in which the constitutional system was promulgated.

4.15.19  **ccp_taxes** Duty of People is to Pay Taxes in Constitution

Does the constitution refer to a duty to pay taxes?

1. Yes
4.16 Cheibub, Antonio, Gandhi and Vreeland

https://sites.google.com/site/joseantoniocheibub/datasets/democracy-and-dictatorship-revisited
(Cheibub et al., 2010)
(Data downloaded: 2019-07-23)

Classification of Political Regimes

Classification of political regimes as democracy and dictatorship. Classification of democracies as parliamentary, semi-presidential (mixed) and presidential. Classification of dictatorships as military, civilian and royal.

4.16.1 chga_demo Democracy

A regime is considered a democracy if the executive and the legislature is directly or indirectly elected by popular vote, multiple parties are allowed, there is de facto existence of multiple parties outside of regime front, there are multiple parties within the legislature, and there has been no consolidation of incumbent advantage (e.g. unconstitutional closing of the lower house or extension of incumbent’s term by postponing of subsequent elections). Transition years are coded as the regime that emerges in that year.

0. No Democracy
1. Democracy

4.16.2 chga_hinst Regime Institutions

Six-fold classification of political regimes:

0. Parliamentary Democracy.
1. Mixed (semi-presidential) democracy.
2. Presidential democracy.
3. Civilian dictatorship.
5. Royal dictatorship.
4.17 Cingranelli, Filippov and Mark

The CIRIGHTS Data project

The CIRIGHTS Data project measures the strength of actual national government practices protecting human rights. The long-term goal of the project is to annually measure all internationally recognized civil and political rights and to use both human and machine-assisted coding procedures to produce scores. The project is hosted by the Binghamton University Human Rights Institute.

Note: The three different missing codes -66 (country is occupied by foreign powers), -77 (complete collapse of central authority), -999 (missing) have all been coded as missing.

4.17.1 ciri_assn Freedom of Assembly and Association

It is an internationally recognized right of citizens to assemble freely and to associate with other persons in political parties, trade unions, cultural organizations, or other special-interest groups. This variable indicates the extent to which the freedoms of assembly and association are subject to actual governmental limitations or restrictions (as opposed to strictly legal protections). A score of 0 indicates that citizens’ rights to freedom of assembly or association were severely restricted or denied completely to all citizens; a score of 1 indicates that these rights were limited for all citizens or severely restricted or denied for select groups; and a score of 2 indicates that these rights were virtually unrestricted and freely enjoyed by practically all citizens in a given year.

4.17.2 ciri_disap Disappearance

Disappearances are cases in which people have disappeared, political motivation appears likely, and the victims have not been found. Knowledge of the whereabouts of the disappeared is, by definition, not public knowledge. However, while there is typically no way of knowing where victims are, it is typically known by whom they were taken and under what circumstances. A score of 0 indicates that disappearances have occurred frequently in a given year; a score of 1 indicates that disappearances occasionally occurred; and a score of 2 indicates that disappearances did not occur in a given year.
4.17.3 ciri_dommov Freedom of Domestic Movement

This variable indicates citizens’ freedom to travel within their own country. A score of 0 indicates that this freedom was severely restricted; a score of 1 indicates the freedom was somewhat restricted, and a score of 2 indicates unrestricted freedom of foreign movement.

4.17.4 ciri_elecsd Electoral Self-Determination

This variable indicates to what extent citizens enjoy freedom of political choice and the legal right and ability in practice to change the laws and officials that govern them through free and fair elections. This right is sometimes known as the right to self-determination. A score of 0 indicates that the right to self-determination through free and fair elections did not exist in law or practice during the year in question. A score of 1 indicates that while citizens had the legal right to self-determination, there were some limitations to the fulfillment of this right in practice. Therefore, in states receiving a 1, political participation was only moderately free and open. A score of 2 indicates that political participation was very free and open during the year in question and citizens had the right to self-determination through free and fair elections in both law and practice.

4.17.5 ciri_empinx Empowerment Index

This is an additive index constructed from the Foreign Movement, Domestic Movement, Freedom of Speech, Freedom of Assembly and Association, Workers’ Rights, Electoral Self-Determination, and Freedom of Religion indicators. It ranges from 0 (no government respect for these seven rights) to 14 (full government respect for these seven rights).
4.17.6 *ciri_formo* Freedom of Foreign Movement

This variable indicates citizens’ freedom to leave and return to their country. A score of 0 indicates that this freedom was severely restricted, a score of 1 indicates the freedom was somewhat restricted, and a score of 2 indicates unrestricted freedom of foreign movement.

4.17.7 *ciri_injud* Independence of the Judiciary

This variable indicates the extent to which the judiciary is independent of control from other sources, such as another branch of the government or the military. A score of 0 indicates “not independent”, a score of 1 indicates “partially independent” and a score of 2 indicates “generally independent”.

4.17.8 *ciri_kill* Extrajudicial Killing

Extrajudicial killings are killings by government officials without due process of law. They include murders by private groups if instigated by government. These killings may result from the deliberate, illegal, and excessive use of lethal force by the police, security forces, or other agents of the state whether against criminal suspects, detainees, prisoners, or others. A score of 0 indicates that extrajudicial killings were practiced frequently in a given year; a score of 1 indicates that extrajudicial killings were practiced occasionally; and a score of 2 indicates that such killings did not occur in a given year.
4.17.9 ciri_physint Physical Integrity Rights

This is an additive index constructed from the Torture, Extrajudicial Killing, Political Imprisonment, and Disappearance indicators. It ranges from 0 (no government respect for these four rights) to 8 (full government respect for these four rights).

Min. Year: 2016 Max. Year: 2017  
N: 36

Min. Year: 1981 Max. Year: 2017  
N: 36 n: 1254 N: 34 T: 35

4.17.10 ciri_polpris Political Imprisonment

Political imprisonment refers to the incarceration of people by government officials because of: their speech; their non-violent opposition to government policies or leaders; their religious beliefs; their non-violent religious practices including proselytizing; or their membership in a group, including an ethnic or racial group. A score of 0 indicates that there were many people imprisoned because of their religious, political, or other beliefs in a given year; a score of 1 indicates that a few people were imprisoned; and a score of 2 indicates that no persons were imprisoned for any of the above reasons in a given year.

N: 36

Min. Year: 1981 Max. Year: 2017  
N: 36 n: 1254 N: 34 T: 35

4.17.11 ciri_relfre New Freedom of Religion

This variable indicates the extent to which the freedom of citizens to exercise and practice the irreligious beliefs is subject to actual government restrictions. Citizens should be able to freely practice their religion and proselytize (attempt to convert) other citizens to their religion as long as such attempts are done in a non-coercive, peaceful manner. A score of 0 indicates that government restrictions on religious practices are severe and widespread. A score of 1 indicates such practices are moderate, and a 0 indicates such practices are practically absent.

Min. Year: 2015 Max. Year: 2017  
N: 36

Min. Year: 1981 Max. Year: 2017  
N: 36 n: 1252 N: 34 T: 35

4.17.12 ciri_speech Freedom of Speech

This variable indicates the extent to which freedoms of speech and press are affected by government censorship, including ownership of media outlets. Censorship is any form of restriction that is placed on freedom of the press, speech or expression. Expression may be in the form of art or music. A score of 0 indicates that government censorship of the media was complete; a score of 1 indicates that
there was some government censorship of the media; and a score of 2 indicates that there was no
government censorship of the media in a given year.

4.17.13 ciri_tort Torture

Torture refers to the purposeful inflicting of extreme pain, whether mental or physical, by government
officials or by private individuals at the instigation of government officials. Torture includes the use
of physical and other force by police and prison guards that is cruel, inhuman, or degrading. This
also includes deaths in custody due to negligence by government officials. A score of 0 indicates that
torture was practiced frequently in a given year; a score of 1 indicates that torture was practiced
occasionally; and a score of 2 indicates that torture did not occur in a given year.

4.17.14 ciri_wecon Women’s Economic Rights

Women’s economic rights include a number of internationally recognized rights. These rights include:

- Equal pay for equal work,
- Free choice of profession or employment without the need to obtain a husband or male relative’s
  consent,
- The right to gainful employment without the need to obtain a husband or male relative’s consent,
- Equality in hiring and promotion practices,
- Job security (maternity leave, unemployment benefits, no arbitrary firing or layoffs, etc.),
  Non-discrimination by employers,
- The right to be free from sexual harassment in the workplace,
- The right to work at night,
- The right to work in occupations classified as dangerous,
- The right to work in the military and the police force.

A score of 0 indicates that there were no economic rights for women in law and that systematic
discrimination based on sex may have been built into law. A score of 1 indicates that women had
some economic rights under law, but these rights were not effectively enforced. A score of 2 indicates
that women had some economic rights under law, and the government effectively enforced these rights
in practice while still allowing a low level of discrimination against women in economic matters. Fi-
nally, a score of 3 indicates that all or nearly all of women’s economic rights were guaranteed by law
and the government fully and vigorously enforces these laws in practice.
4.17.15  ciri_wopol Women’s Political Rights

Women’s political rights include a number of internationally recognized rights. These rights include:

- The right to vote
- The right to run for political office
- The right to hold elected and appointed government positions
- The right to join political parties
- The right to petition government officials.

A score of 0 indicates that women’s political rights were not guaranteed by law during a given year. A score of 1 indicates that women’s political rights were guaranteed in law, but severely prohibited in practice. A score of 2 indicates that women’s political rights were guaranteed in law, but were still moderately prohibited in practice. Finally, a score of 3 indicates that women’s political rights were guaranteed in both law and practice.

4.17.16  ciri_worker Workers’ Rights

Workers should have freedom of association at their workplaces and the right to bargain collectively with their employers. This variable indicates the extent to which workers enjoy these and other internationally recognized rights at work, including a prohibition on the use of any form of forced or compulsory labor; a minimum age for the employment of children; and acceptable conditions of work with respect to minimum wages, hours of work, and occupational safety and health. A score of 0 indicates that workers’ rights were severely restricted; a score of 1 indicates that workers’ rights were somewhat restricted; and a score of 2 indicates that workers’ rights were fully protected during the year in question.

4.17.17  ciri_wosoc Women’s Social Rights

Women’s social rights include a number of internationally recognized rights. These rights include:

- The right to equal inheritance
- The right to enter into marriage on a basis of equality with men
- The right to travel abroad
- The right to obtain a passport
- The right to confer citizenship to children or a husband
- The right to initiate a divorce
- The right to own, acquire, manage, and retain property brought into marriage
- The right to participate in social, cultural, and community activities
- The right to an education
- The freedom to choose a residence/domicile
- Freedom from female genital mutilation of children and of adults without their consent
- Freedom from forced sterilization.

A score of 0 indicates that there were no social rights for women in law and that systematic discrimination based on sex may have been built into law. A score of 1 indicates that women had some social rights under law, but these rights were not effectively enforced. A score of 2 indicates that women had some social rights under law and the government effectively enforced these rights in practice while still allowing a low level of discrimination against women in social matters. Finally, a score of 3 indicates that all or nearly all of women’s social rights were guaranteed by law and the government fully and vigorously enforced these laws in practice. This variable was retired as of 2005.

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A

4.18 Armingeon, Wegner, Wiedemeier, Isler, Knoepfel, Weisstanner and Engler

http://www.cpds-data.org/
Armingeon et al. [2019]
(Data downloaded: 2019-09-11)

Comparative Political Data Set

The Comparative Political Data Set 1960-2017 (CPDS) is a collection of political and institutional data which have been assembled in the context of the research projects “Die Hand-lungsspielräume des Nationalstaates” and “Critical junctures. An international comparison” directed by Klaus Armingeon and funded by the Swiss National Science Foundation. This data set consists of (mostly) annual data for 36 democratic OECD and/or EU-member countries for the period of 1960 to 2017. In all countries, political data were collected only for the democratic periods. The data set is suited for cross-national, longitudinal and pooled time-series analyses.

4.18.1 cpds_chg Number of changes in government per year

Number of changes in government per year [termination of government due to (a) elections, (b) voluntary resignation of the Prime Minister, (c) resignation of Prime Minister due to health reasons, (d) dissension within government (break up of the coalition), (e) lack of parliamentary support, (f) intervention by the head of state, or (g) broadening of the coalition (inclusion of new parties).
4.18.2 cpds_enps Effective number of parties on the seats level
Effective number of parties on the seats level according to the formula proposed by Laakso and Taagepera (1979).

4.18.3 cpds_enpv Effective number of parties on the votes level
Effective number of parties on the votes level according to the formula proposed by Laakso and Taagepera (1979).

4.18.4 cpds_frel Electoral fractionalization of the party system (Rae index)
Index of electoral fractionalization of the party system according to the formula proposed by Rae (1968). The index can take values between 1 (maximal fractionalization) and 0 (minimal fractionalization).

4.18.5 cpds_frleg Legislative fractionalization of the party system (Rae index)
Index of legislative fractionalization of the party system according to the formula proposed by Rae (1968). The index can take values between 1 (maximal fractionalization) and 0 (minimal fractionalization).
4.18.6 cpds_govlr Cabinet composition (Schmidt index)

Cabinet composition (Schmidt-Index):

1. Hegemony of right-wing (and centre) parties.
2. Dominance of right-wing (and centre) parties.
3. Balance of power between left and right.
4. Dominance of social-democratic and other left parties.
5. Hegemony of social-democratic and other left parties.

4.18.7 cpds_govsup Government support (seat share of all parties in government)

Total government support: seat share of all parties in government. Weighted by the numbers of days in office in a given year.

4.18.8 cpds_la Share of seats in parliament: agrarian

Share of seats in parliament for the political parties classified as agrarian.

4.18.9 cpds_lall Share of seats in parliament: electoral alliance

Share of seats in parliament for the political parties classified as electoral alliance.
4.18.10  cpds_lcom Share of seats in parliament: communist
Share of seats in parliament for the political parties classified as communist.

4.18.11  cpds_lcon Share of seats in parliament: conservative
Share of seats in parliament for the political parties classified as conservative.

4.18.12  cpds_le Share of seats in parliament: ethnic
Share of seats in parliament for the political parties classified as ethnic.

4.18.13  cpds_lfe Share of seats in parliament: feminist
Share of seats in parliament for the political parties classified as feminist.
4.18.14 cpds_lg Share of seats in parliament: green
Share of seats in parliament for the political parties classified as green.

4.18.15 cpds_ll Share of seats in parliament: liberal
Share of seats in parliament for the political parties classified as liberal.

4.18.16 cpds_lls Share of seats in parliament: left-socialist
Share of seats in parliament for the political parties classified as left-socialist.

4.18.17 cpds_lmo Share of seats in parliament: monarchist
Share of seats in parliament for the political parties classified as monarchist.
4.18.18 cpds_lnl Share of seats in parliament: non-labelled
Share of seats in parliament for the political parties classified as non-labelled.

4.18.19 cpds_lo Share of seats in parliament: other
Share of seats in parliament for the political parties classified as other.

4.18.20 cpds_lp Share of seats in parliament: protest
Share of seats in parliament for the political parties classified as protest.

4.18.21 cpds_lpc Share of seats in parliament: post-communist
Share of seats in parliament for the political parties classified as post-communist.
4.18.22 cpds_lpen Share of seats in parliament: pensioners
Share of seats in parliament for the political parties classified as pensioners.

4.18.23 cpds_lper Share of seats in parliament: personalist
Share of seats in parliament for the political parties classified as personalist.

4.18.24 cpds_lr Share of seats in parliament: right
Share of seats in parliament for the political parties classified as right.

4.18.25 cpds_lreg Share of seats in parliament: regionalist
Share of seats in parliament for the political parties classified as regionalist.
4.18.26 cpds_lrel Share of seats in parliament: religious
Share of seats in parliament for the political parties classified as religious.

4.18.27 cpds_ls Share of seats in parliament: social democratic
Share of seats in parliament for the political parties classified as social democratic.

4.18.28 cpds_tg Type of Government
Type of government based on the following classification:

1. Single-party majority government: One party takes all governments seats and has a parliamentary majority.
2. Minimal winning coalition: All participating parties are necessary to form a majority government [$>50.0\%$].
3. Surplus coalition: Coalition governments which exceed the minimal-winning criterion [$>50.0\%$].
4. Single-party minority government: The party in government does not possess a majority in Parliament [$<50.0\%$].
5. Multi-party minority government: The parties in government do not possess a majority in Parliament [$<50.0\%$].
6. Caretaker government: Governments which should simply maintain the status quo.
7. Technocratic government: Led by technocratic prime minister, consists of a majority of technocratic ministers and is in possession of a mandate to change the status quo.
4.18.29 cpds_va Share of votes: agrarian
Share of votes of the political parties classified as agrarian.

4.18.30 cpds_vall Share of votes: electoral alliance
Share of votes of the political parties classified as electoral alliance.

4.18.31 cpds_vcom Share of votes: communist
Share of votes of the political parties classified as communist.

4.18.32 cpds_vcon Share of votes: conservative
Share of votes of the political parties classified as conservative.
4.18.33 cpds_ve Share of votes: ethnic
Share of votes of the political parties classified as ethnic.

4.18.34 cpds_vfe Share of votes: feminist
Share of votes of the political parties classified as feminist.

4.18.35 cpds_vg Share of votes: green
Share of votes of the political parties classified as green.

4.18.36 cpds_vl Share of votes: liberal
Share of votes of the political parties classified as liberal.
4.18.37 cpds_vls Share of votes: left-socialist
Share of votes of the political parties classified as left-socialist.

4.18.38 cpds_vmo Share of votes: monarchist
Share of votes of the political parties classified as monarchist.

4.18.39 cpds_vnl Share of votes: non-labelled
Share of votes of the political parties classified as non-labelled.

4.18.40 cpds_vo Share of votes: other
Share of votes of the political parties classified as other.
4.18.41 cpds vp Share of votes: protest
Share of votes of the political parties classified as protest.

4.18.42 cpds_vpc Share of votes: post-communist
Share of votes of the political parties classified as post-communist.

4.18.43 cpds_vpen Share of votes: pensioners
Share of votes of the political parties classified as pensioners.

4.18.44 cpds_vper Share of votes: personalist
Share of votes of the political parties classified as personalist.
4.18.45 cpds_vr Share of votes: right
Share of votes of the political parties classified as right.

4.18.46 cpds_vreg Share of votes: regionalist
Share of votes of the political parties classified as regionalist.

4.18.47 cpds_vrel Share of votes: religious
Share of votes of the political parties classified as religious.

4.18.48 cpds_vs Share of votes: social democratic
Share of votes of the political parties classified as social democratic.
4.18.49  cpds_vt Voter turnout in election

Voter turnout in election.

4.19  Center of Systemic Peace

http://www.systemicpeace.org/inscrdata.html


(Data downloaded: 2019-07-01)

State Fragility Index and Matrix

The State Fragility Index and Matrix provides annual state fragility, effectiveness, and legitimacy indices and the eight component indicators for the world’s 167 countries with populations greater than 500,000 in 2017.

4.19.1  cspf_sfi State Fragility Index

A country’s fragility is closely associated with its state capacity to manage conflict; make and implement public policy; and deliver essential services and its systemic resilience in maintaining system coherence, cohesion, and quality of life; responding effectively to challenges and crises, and sustaining progressive development. State Fragility = Effectiveness Score + Legitimacy Score (25 points possible).

4.20  Andrew Williams

https://andrewwilliamsecon.wordpress.com/datasets/

[Williams, 2015]
Dataset for Information and Accountability Transparency (2014)

The article “A global index of information transparency and accountability” (Williams, 2014) uses a relatively new methodology, similar to Transparency International’s Corruption Perceptions Index, to construct composite indicators of Informational Transparency, and Accountability. These new indicators use data from 29 sources, with scores being derived annually between 1980 and 2010 across more than 190 countries.

4.20.1 diat_ati Accountability Transparency

Accountability Transparency. Author has 16 separate indicators for the Accountability Transparency Index (six for the measurement of a free media, four for fiscal transparency, and six for political constraints). 1980 is considered to be the base year. The Accountability Transparency Index has 115 countries in 1980, but rising to up to 189 countries towards the end of the period.

4.20.2 diat_iti Information Transparency

Information Transparency. Sub-indicators are constructed to reflect the nuances of this type of transparency. Specifically, three sub-components are constructed: (1) the existence of a free and independent media; (2) fiscal (budgetary) transparency; (3) political constraints. The author has 13 separate indicators for the Information Transparency Index (six for the quantity of information, four for the processes that generate that information, and three for the infrastructure required to disseminate that information). 1980 is considered to be the base year. The Information Transparency Index (ITI) has scores for initially 153 countries in 1980, increasing over time to 191 by the year 2010.

4.20.3 diat_ti Transparency Index

Transparency Index. Combined index of Information Transparency Index and Accountability Transparency Index.
4.21 Global Footprint Network

(Global Footprint Network 2018)  
(Data downloaded: 2019-11-11)

Global Footprint Data

The National Footprint Accounts (NFAs) measure the ecological resource use and resource capacity of nations over time. Based on approximately 6,000 data points per country per year, the Accounts calculate the Footprints of 232 countries, territories, and regions from 1961 to the present, providing the core data needed for all Ecological Footprint analysis worldwide. This Data Package contains Ecological Footprint and biocapacity as well as Human Development and population data to give a first approximation of the biological resource situation of the featured countries.

4.21.1 ef_bul Built-up land footprint - Ecological Footprint of Consumption (GHA per person)

Built-up Land - Ecological footprint in consumption. The built-up land Footprint is calculated based on the area of land covered by human infrastructure: transportation, housing, and industrial structures. Built-up land may occupy what would previously have been cropland. Measured in Global Hectares (GHA) per person.

N: 34

N: 34 n: 1519 N: 27 T: 45

4.21.2 ef_carb Carbon footprint - Ecological Footprint of Consumption (GHA per person)

Carbon - Ecological footprint in consumption. The carbon Footprint, which represents the carbon dioxide emissions from burning fossil fuels in addition to the embodied carbon in imported goods. The carbon Footprint component is represented by the area of forest land required to sequester these carbon emissions. Currently, the carbon Footprint is the largest portion of humanity’s Footprint.

N: 34

N: 34 n: 1519 N: 27 T: 45

4.21.3 ef_crop Cropland footprint - Ecological Footprint of Consumption (GHA per person)

Cropland - Ecological footprint in consumption. Cropland is the most bioproductive of all the land-use types and consists of areas used to produce food and fibre for human consumption, feed for livestock, oil crops, and rubber. The cropland Footprint includes crop products allocated to livestock and aquaculture feed mixes, and those used for fibres and materials. Due to lack of globally consistent data sets, current cropland Footprint calculations do not yet take into account the extent to which farming techniques or unsustainable agricultural practices may cause long-term degradation of soil.
4.21.4  ef_ef Total Ecological Footprint of Consumption (GHA per person)
Total - Ecological footprint in consumption. Measured in Global Hectares (GHA) per person.

4.21.5  ef_fg Fish footprint - Ecological Footprint of Consumption (GHA per person)
Fishing Ground - Ecological footprint in consumption. The fishing grounds Footprint is calculated based on estimates of the maximum sustainable catch for a variety of fish species. These sustainable catch estimates are converted into an equivalent mass of primary production based on the various species’ trophic levels. This estimate of maximum harvestable primary production is then divided amongst the continental shelf areas of the world. Fish caught and used in aquaculture feed mixes are included. Measured in Global Hectares (GHA) per person.

4.21.6  ef_for Forest product footprint - Ecological Footprint of Consumption (GHA per person)
Forest Production - Ecological footprint in consumption. The forest product Footprint, which is calculated based on the amount of lumber, pulp, timber products, and fuel wood consumed by a population on a yearly basis. Measured in Global Hectares (GHA) per person.
4.21.7 ef_gl Grazing footprint - Ecological Footprint of Consumption (GHA per person)

Grazing - Ecological footprint in consumption. Grazing land is used to raise livestock for meat, dairy, hide, and wool products. The grazing land Footprint is calculated by comparing the amount of livestock feed available in a country with the amount of feed required for all livestock in that year, with the remainder of feed demand assumed to come from grazing land. Measured in Global Hectares (GHA) per person.

N: 34

N: 34 n: 1519 N: 27 T: 45

4.22 UN Department of Economic and Social Affairs

https://publicadministration.un.org/egovkb/en-us/Overview

Department of Economic and Social Affairs [2018]
(Data downloaded: 2019-11-13)

UN E-Government Knowledgebase

The E-Government Development Index presents the state of E-Government Development of the United Nations Member States. Along with an assessment of the website development patterns in a country, the E-Government Development index incorporates the access characteristics, such as the infrastructure and educational levels, to reflect how a country is using information technologies to promote access and inclusion of its people. The EGDI is a composite measure of three important dimensions of e-government, namely: provision of online services, telecommunication connectivity and human capacity.

The EGDI is not designed to capture e-government development in an absolute sense; rather, it aims to give a performance rating of national governments relative to one another.

4.22.1 egov_egov E-Government Index

The E-Government Development Index (EGDI) is a weighted average of normalised scores on the three most important dimensions of e-government, namely: scope and quality of online services (Online Service Index, OSI), status of the development of telecommunication infrastructure (Telecommunication Infrastructure Index, TII) and inherent human capital (Human Capital Index, HCI). Each of these sets of indices is in itself a composite measure that can be extracted and analysed independently.

Min. Year: 2017 Max. Year: 2017
N: 36

N: N/A Min. Year: N/A Max. Year: N/A N: N/A T: N/A

Variable not included in Time-Series Data
4.22.2 egov_epar E-Participation Index

The E-Participation Index (EPI) is derived as a supplementary index to the UN E-Government Survey. It extends the dimension of the Survey by focusing on the use of online services to facilitate provision of information by governments to citizens (e-information sharing), interaction with stakeholders (e-consultation) and engagement in decision-making processes.

Min. Year: 2017 Max. Year: 2017
N: 36

4.22.3 egovhci Human Capital Index

The Human Capital Index (HCI) consists of four components, namely: (i) adult literacy rate; (ii) the combined primary, secondary and tertiary gross enrolment ratio; (iii) expected years of schooling; and (iv) average years of schooling.

Min. Year: 2017 Max. Year: 2017
N: 36

4.22.4 egov_osi Online Service Index

The Online Service Index (OSI) values for 2016 were constructed by 111 researchers, including UN experts and online United Nations Volunteers (UNVs) from over 60 countries with coverage of 66 languages assessed each country’s national website in the native language, including the national portal, e-services portal and e-participation portal, as well as the websites of the related ministries of education, labour, social services, health, finance and environment as applicable. The UNVs included qualified graduate students and volunteers from universities in the field of public administration.

Min. Year: 2017 Max. Year: 2017
N: 36

4.22.5 egov_tii Telecommunication Infrastructure Index

The Telecommunication Infrastructure Index (TII) is an arithmetic average composite of five indicators: (i) estimated internet users per 100 inhabitants; (ii) number of main fixed telephone lines per 100 inhabitants; (iii) number of mobile subscribers per 100 inhabitants; (iv) number of wireless broadband subscriptions per 100 inhabitants; and (v) number of fixed broadband subscriptions per 100 inhabitants. The International Telecommunication Union is the primary source of data in each case.

Min. Year: 2017 Max. Year: 2017
N: 36
4.23 Encyclopaedia Metallum

https://www.metal-archives.com/
(Encyclopaedia Metallum, 2017)
(Data downloaded: 2018-10-13)

The Metal Archives

The Encyclopedia Metallum (The Metal Archives) compiles information on the world’s active metal bands per country and year.

4.23.1 active Number of Active Metal Bands

Number of active metal bands.

Note: Bands from Åland has been recoded as Finland and bands from Svalbard has been recoded as Norway. Also, bands with a start date but missing end date are all considered to be active.

4.24 Ease of Doing Business Report

http://www.doingbusiness.org/en/doingbusiness
(The World Bank Group, 2019)
(Data downloaded: 2018-10-13)

Ease of Doing Business - Historical Data

The Doing Business project provides objective measures of business regulations and their enforcement across 190 economies. This EOB 2019 report covers 11 indicator sets and 190 economies. Most indicator sets refer to a case scenario in the largest business city of each economy, except for 11 economies that have a population of more than 100 million as of 2013 (Bangladesh, Brazil, China, India, Indonesia, Japan, Mexico, Nigeria, Pakistan, the Russian Federation and the United States) where Doing Business, also collected data for the second largest business city.

The ease of doing business score captures the gap between an economy’s performance and a measure of best practice across the entire sample of 41 indicators for 10 Doing Business topics (the labor market regulation indicators are excluded). For starting a business, for example, New Zealand and
Georgia have the lowest number of procedures required (1). New Zealand also holds the shortest time to start a business (0.5 days), while Slovenia has the lowest cost (0.0).

Calculating the ease of doing business score for each economy involves two main steps. In the first step individual component indicators are normalized to a common unit where each of the 41 component indicators y (except for the total tax and contribution rate) is rescaled using the linear transformation (worst - y)/(worst - best). In this formulation, the highest score represents the best regulatory performance on the indicator across all economies since 2005 or the third year in which data for the indicator were collected.

Both the best regulatory performance and the worst regulatory performance are established every five years based on the Doing Business data for the year in which they are established and remain at that level for the five years regardless of any changes in data in interim years. Thus, an economy may establish the best regulatory performance for an indicator even though it may not have the highest score in a subsequent year. Conversely, an economy may score higher than the best regulatory performance if the economy reforms after the best regulatory performance is set. For example, the best regulatory performance for the time to get electricity is set at 18 days. In the Republic of Korea it now takes 13 days to get electricity while in the United Arab Emirates it takes just 10 days. Although the two economies have different times, both economies score 100 on the time to get electricity because they have exceeded the threshold of 18 days.

For scores such as those on the strength of legal rights index or the quality of land administration index, the best regulatory performance is set at the highest possible value (although no economy has yet reached that value in the case of the latter).

Due to the changes in methodologies, some variables are presented separately, given that they are not comparable given these said changes.

4.24.1 eob_bqci Building quality control index (0-15)(DB16-19 methodology)

The building Quality control index (0-15) (DB16-19 methodology) index ranges from 0 to 15 and is calculated on the basis of the following six indices: (i) quality of building regulations, (ii) quality control before construction, (iii) quality control during construction, (iv) quality control after construction, (v) liability and insurance regimes, and (vi) professional certifications.

4.24.2 eob_dcp06 Dealing with construction permits (DB06-15 methodology)

Score-Dealing with Construction Permits (DB06-15 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Dealing with Construction permits indicator components. It is calculated as the simple average of the scores for Procedures (number), Time (days), and Cost (a percentage of the warehouse value). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.
4.24.3  eob_dcp16 Dealing with construction permits (DB16-19 methodology)

Score-Dealing with Construction Permits (DB16-19 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Dealing with Construction permits indicator components. It is calculated as the simple average of the scores for Procedures (number), Time (days), Cost (a percentage of the warehouse value), and the Building Quality Control Index. The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

4.24.4  eob_eapr Equal access to property rights index (-2-0)(DB17-19 methodology)

Equal access to property rights index (-2-0) (DB17-19 methodology) evaluates whether married or unmarried women have equal access to property rights. Equal access to property rights can help to increase the competitiveness of an economy, or increase its labor force.

4.24.5  eob_ec04 Enforcing contracts (DB04-15 methodology)

Score-Enforcing contracts (DB04-15 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Enforcing Contracts indicator components. It is calculated as the simple average of the scores for Time (days), Cost (% of claim value) and Procedures (number). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.
4.24.6  eob_ec16 Enforcing contracts (DB16 methodology)

Score-Enforcing contracts (DB16 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Enforcing Contracts indicator components. It is calculated as the simple average of the scores for Time (days), Cost (% of claim value) and Quality of judicial processes index. The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

N: 36

4.24.7  eob_ec17 Enforcing contracts (DB17-19 methodology)

Score-Enforcing contracts (DB17-19 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Enforcing Contracts indicator components. It is calculated as the simple average of the scores for Time (days), Cost (% of claim value) and Quality of judicial processes index. The Quality of judicial processes index is expanded to measure whether a woman’s testimony carries the same evidentiary weight in court as a man’s. The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

N: 36

4.24.8  eob_eob15 Ease of doing business score global (DB15 methodology)

Ease of doing business score (DB15 methodology) captures the gap between an economy’s performance and a measure of best practice across the entire sample of 41 indicators for 10 Doing Business topics. The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance. Calculating the ease of doing business score for each economy involves two main steps. In the first step individual component indicators are normalized to a common unit where each of the 41 component indicators (except for the total tax and contribution rate) is rescaled using the linear transformation \((\text{worst} - y) / (\text{worst} - \text{best})\). In this formulation the highest score represents the best regulatory performance on the indicator across all economies since 2005 or the third year in which data for the indicator were collected. Both the best regulatory performance and the worst regulatory performance are established every five years based on the Doing Business data for the year in which they are established and remain at that level for the five years regardless of any changes in data in interim years. In the second step for calculating the ease of doing business score, the scores obtained for individual indicators for each economy are aggregated through simple averaging into one score, first for each topic and then across all 10 topics. For the ease of doing business score (DB15 methodology), the specific topic scores used are: Score-Starting a business, Score-Dealing with construction permits (DB06-15 methodology), Score-Getting electricity (DB10-15 methodology), Score-Registering property (DB05-15 methodology), Score-Getting credit (DB15-19 methodology), Score-Protecting minority investors (DB15-19 methodology), Score-Paying taxes (DB06-16 methodology), Score-Trading across borders (DB06-15 methodology), Score-Enforcing contracts (DB04-15 methodology), Score-Resolving insolvency (DB15-19 methodology).
4.24.9  eob_eob16 Ease of doing business score global (DB16 methodology)

Ease of doing business score (DB16 methodology) captures the gap between an economy’s performance and a measure of best practice across the entire sample of 41 indicators for 10 Doing Business topics. The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance. Calculating the ease of doing business score for each economy involves two main steps. In the first step individual component indicators are normalized to a common unit where each of the 41 component indicators y (except for the total tax and contribution rate) is rescaled using the linear transformation (worst - y)/(worst - best). In this formulation the highest score represents the best regulatory performance on the indicator across all economies since 2005 or the third year in which data for the indicator were collected. Both the best regulatory performance and the worst regulatory performance are established every five years based on the Doing Business data for the year in which they are established and remain at that level for the five years regardless of any changes in data in interim years. In the second step for calculating the ease of doing business score, the scores obtained for individual indicators for each economy are aggregated through simple averaging into one score, first for each topic and then across all 10 topics. For the ease of doing business score (DB16 methodology), the specific topic scores used are: Score-Starting a business, Score-Dealing with construction permits (DB16-19 methodology), Score-Getting electricity (DB16-19 methodology), Score-Registering property (DB16 methodology), Score-Getting credit (DB15-19 methodology), Score-Protecting minority investors (DB15-19 methodology), Score-Paying taxes (DB06-16 methodology), Score-Trading across borders (DB16-19 methodology), Score-Enforcing contracts (DB16 methodology), Score-Resolving insolvency (DB15-19 methodology).

4.24.10  eob_eob17 Ease of doing business score global (DB17-19 methodology)

Ease of doing business score (DB17-19 methodology) captures the gap between an economy’s performance and a measure of best practice across the entire sample of 41 indicators for 10 Doing Business topics. The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance. Calculating the ease of doing business score for each economy involves two main steps. In the first step individual component indicators are normalized to a common unit where each of the 41 component indicators y (except for the total tax and contribution rate) is rescaled using the linear transformation (worst - y)/(worst - best). In this formulation the highest score represents the best regulatory performance on the indicator across all economies since 2005 or the third year in which data for the indicator were collected. Both the best regulatory performance and the worst regulatory performance are established every five years based on the Doing Business data for the year in which they are established and remain at that level for the five years regardless of any changes in data in interim years. In the second step for calculating the ease of doing business score, the scores obtained for individual indicators for each economy are aggregated through simple averaging into one score, first for each topic and then across all 10 topics. For the ease of doing business score (DB17-19 methodology), the specific topic scores used are: Score-Starting a business, Score-Dealing
with construction permits (DB16-19 methodology), Score-Getting electricity (DB16-19 methodology), Score-Registering property (DB17-19 methodology), Score-Getting credit (DB15-19 methodology), Score-Protecting minority investors (DB15-19 methodology), Score-Paying taxes (DB17-19 methodology), Score-Trading across borders (DB16-19 methodology), Score-Enforcing contracts (DB17-19 methodology), Score-Resolving insolvency (DB15-19 methodology).

**4.24.11 eob_gc05 Getting credit (DB05-14 methodology)**

Score-Getting credit (DB05-14 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Getting Credit indicator components. The sub-indicators are weighted proportionally, according to their contribution to the total score, with a weight of 62.5% assigned to the strength of legal rights index and 37.5% to the depth of credit information index. The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

**4.24.12 eob_gc15 Getting credit (DB15-19 methodology)**

Score-Getting credit (DB15-19 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Getting Credit indicator components. The sub-indicators are weighted proportionally, according to their contribution to the total score, with a weight of 60% assigned to the strength of legal rights index and 40% to the depth of credit information index. The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

**4.24.13 eob_ge10 Getting electricity (DB10-15 methodology)**

Score-Getting electricity (DB10-15 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Getting Electricity indicator. It calculated as the simple average of the scores for Procedures (number), Time (days) and Cost (% of income per capita). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.
4.24.14  **cob_ge16 Getting electricity (DB16-19 methodology)**

Score—Getting electricity (DB16-19 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Getting Electricity indicator components. It is calculated as the simple average of the scores for Procedures (number), Time (days), Cost (% of income per capita), and Reliability of supply and transparency of tariff index. The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

4.24.15  **cob_ldri Land dispute resolution index (0-8) (DB16-19 methodology)**

Land dispute resolution index (0-8) (DB16-19 methodology) measures the accessibility of conflict resolution mechanisms and the extent of liability for entities or agents recording land transactions.

4.24.16  **cob_pmi06 Protecting minority investors (DB06-14 methodology)**

Score—Protecting minority investors (DB04-14 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Protecting Minority Investors indicator components. It is calculated as the simple average of the scores for Extent of disclosure index (0-10), Extent of director liability index (0-10) and Ease of shareholder suits index (0-10) (DB06-14 methodology). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.
4.24.17  eob_pmi15 Protecting minority investors (DB15-19 methodology)

Score-Protecting minority investors (DB15-19 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Protecting Minority Investors indicator components. It is calculated as the simple average of the scores for Extent of conflict of interest regulation index (0-10) (DB15-19 methodology) and Extent of shareholder governance index (0-10) (DB15-19 methodology). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

N: 36

4.24.18  eob_pt06 Paying taxes(DB06-16 methodology)

Score-Paying taxes (DB06-16 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Paying Taxes indicator components. It is calculated as the simple average of the scores for Payments (numbers per year), Time (hours per year), and the Total Tax and Contribution Rate (% of profits). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

N: 36

4.24.19  eob_pt17 Paying taxes(DB17-19 methodology)

Score-Paying taxes (DB17-19 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Paying Taxes indicator components. It is calculated as the simple average of the scores for Payments (number per year), Time (hours), Total Tax and Contribution Rate (% of profits), and Postfiling index (0-100) (DB17-19 methodology). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

N: 36

4.24.20  eob_qla Quality of land administration index (0-30) (DB17-19 methodology)

Quality of land administration index (0-30) (DB17-19 methodology). This index ranges from 0 to 30 points and is based on five other indices: (i) reliability of infrastructure (0-8), (ii) transparency of information (0-6), (iii) geographic coverage (0-4), (iv) land dispute resolution (0-8) and (v) equal access to property rights (-2 to 0)
4.24.21  **eob_ri04 Resolving insolvency (DB04-14 methodology)**

Score-Resolving insolvency (DB04-14 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Resolving Insolvency indicator components. It is calculated based on score for the Recovery Rate (cents on the dollar). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

4.24.22  **eob_ri15 Resolving insolvency (DB15-19 methodology)**

Score-Resolving insolvency (DB15-19 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Resolving Insolvency indicator components. It is calculated as the simple average of the scores for the Recovery Rate (cents on the dollar) and the Strength of Insolvency Framework Index (0-16). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

4.24.23  **eob_roest Reliability of supply and transparency of tariff index (0-8)(DB16-19 methodology)**

Reliability of supply and transparency of tariff index (0-8) (DB16-19 methodology) This index ranges from 0 to 8 and is calculated on the basis of the following six components: (i) Duration and frequency of power outages (0-3); (ii) Tools to monitor power outages (0-1); (iii) Tools to restore power supply (0-1); (iv) Regulatory monitoring of utilities’ performance (0-1); (v) Financial deterrents aimed at limiting outages (0-1); and (vi) Transparency and accessibility of tariffs (0-1). An economy is eligible to obtain a score on the reliability of supply and transparency of tariffs index only if (i) the utility collects data on all types of outages (average total duration of outages per customer and the average number of outages per customer), including planned and unplanned outages, as well as load shedding, with the minimum outage time of not more than 5 minutes; and (ii) the SAIDI value is below a threshold of 100 hours and the SAIFI value is under 100 outages.
4.24.24  cob_rp05 Registering property (DB05-15 methodology)

Score-Registering Property (DB05-15 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Registering Property indicator components. It is calculated as the simple average of the scores for Procedures (number), Time (days), Cost (% of property value). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

4.24.25  cob_rp16 Registering property (DB16 methodology)

Score-Registering Property (DB16 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Registering Property indicator components. It is calculated as the simple average of the scores for Procedures (number), Time (days), Cost (% of property value), and Quality of land administration index (0-30) (DB16 methodology). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

4.24.26  cob_rp17 Registering property (DB17-19 methodology)

Score-Registering Property (DB17-19 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Registering Property indicator components. It is calculated as the simple average of the scores for Procedures (number), Time (days), Cost (% of property value), and Quality land administration system (0-30) (DB17-19 methodology). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.
4.24.27 eob_sab Starting a business

Score: Starting a business measures the gap between an economy’s performance and the regulatory best practice on the Starting a Business indicator components. It is calculated as the simple average of the scores for Procedures (number), Time (calendar days), Cost (% of income per capita), and Paid-in Minimum capital (% of income per capita). The scores for the following components are obtained as such: the score for Procedures (number) is calculated based on the average of scores for Procedures - Men (number) and Procedures - Women (number); the score for Time (calendar days) is calculated based on the average of scores for Time - Men (calendar days) and Time - Women (calendar days); and the score for Cost (% of income per capita) is calculated based on the average of scores for Cost - Men (% of income per capita) and Cost - Women (% of income per capita). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

4.24.28 eob_tab06 Trading across borders (DB06-15 methodology)

Score: Trading across Borders (DB06-15 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Trading across Borders indicator. It calculated as the simple average of the scores for Documents to export (number), Time to export (days), Cost to export (US dollar per container deflated), Documents to import (number), Time to import (days) and Cost to import (US dollar per container deflated). The score ranges from 0 to 100, where 0 represents the worst regulatory performance and 100 the best regulatory performance.

4.24.29 eob_tab16 Trading across borders (DB16-19 methodology)

Score: Trading across Borders (DB16-19 methodology) measures the gap between an economy’s performance and the regulatory best practice on the Trading across Borders indicator components. It is calculated as the simple average of the scores for Time to export: Border compliance (hours), Cost to export: Border compliance (US dollar), Time to export: Documentary compliance (hours), Cost to export: Documentary compliance (US dollar), Time to import: Border compliance (hours), Cost to import: Border compliance (US dollar), Time to import: Documentary compliance (hours) and Cost...
4.25 Environmental Performance Index

https://epi.envirocenter.yale.edu/epi-downloads
(Wendling et al., 2018)
(Data downloaded: 2019-11-20)

Environmental Performance Index Data 2018 (Current values)

The Environmental Performance Index provides a ranking that shines light on how each country manages environmental issues. The Environmental Performance Index (EPI) ranks how well countries perform on high-priority environmental issues in two broad policy areas: protection of human health from environmental harm and protection of ecosystems. Within these two policy objectives, the EPI scores country performance in ten issue areas comprised of 24 indicators. Indicators in the EPI measure how close countries are to meeting internationally established targets or, in the absence of agreed-upon targets, how they compare to the range of observed countries.

Note: In many cases the EPI variables lack actual observations and rely on imputation. Please refer to the original documentation for more information about this. Also, some values (usually the value 0) are very unlikely, please use your judgement whether to treat these as the value 0 or as “Data missing”.

4.25.1 epi_agr Agriculture (0-100)

Agriculture. It is constructed from the Sustainable Nitrogen Management Index, which measures the Euclidean distance from an ideal point with optimal nitrogen use efficiency (NUE) and crop yield.

4.25.2 epi_air Air Quality (0-100)

Air Quality. It measures household air pollution (HAP) as the health risk posed by the incomplete combustion of solid fuels, using the number of age-standardized disability-adjusted life-years (DALYs) lost per 100,000 persons due to this risk. PM2.5 exposure: as a measure of chronic exposure, it uses the population-weighted average ambient concentration of PM2.5 in each country. PM2.5 exceedance: as a measure of acute exposure, it uses the proportion of the population in each year that is exposed to ambient PM2.5 concentrations that exceed World Health Organization (WHO) thresholds of 10, 15,
25, and 35 micrograms per meter cubed. These four proportions are averaged to produce a summary of the distribution of exposure levels in the country’s population.

4.25.3 epi_ape Air Pollution (0-100)
Air Pollution. The two indicators used for air pollution are NOX and SO2 emission intensity. The 2018 EPI uses data from the Emissions Database for Global Atmospheric Research (EDGAR) v4.3.1 global anthropogenic emissions inventory of gaseous and particulate air pollutants.

4.25.4 epi_bdh Biodiversity and Habitat (0-100)
Biodiversity and Habitat. This indicator includes:

1. Terrestrial biome protection (national weights). The percentage of biomes in protected areas, weighted by national composition of biomes.
2. Terrestrial biome protection (global weights). The percentage of biomes in protected areas, weighted by global composition of biomes.
3. Marine protected areas. The percentage of marine protected areas (MPAs) within a country’s exclusive economic zone (EEZ).
4. Species Protection Index. The average area of species’ distributions in a country with protected areas.
5. Protected Area Representativeness Index. The extent to which terrestrial protected areas are ecologically representative.
6. Species Habitat Index. The proportion of habitat within a country remaining, relative to a baseline set in the year 2001.

4.25.5 epi_cce Climate and Energy (0-100)
Climate & Energy issue category uses five indicators to track a country’s progress in reducing three critical greenhouse gases and one climate pollutant. In adding non-CO2 indicators to the 2018 EPI, EPI researchers have broadened the gauge of national climate change performance. EPI researchers
leverage new emissions inventories to construct a series of metrics intended to yield a more comprehensive assessment of a country's overall performance. EPI researchers measure each country's Climate & Energy score across the following five indicators:

1. Carbon dioxide emission intensity (total). This CO2 metric tracks trends on carbon intensity from the entire economy, in tonnes of CO2 emissions per unit of GDP.
2. Carbon dioxide emission intensity (power). This CO2 metric tracks carbon intensity from the power sector, in tonnes of CO2 emissions per unit of kWh of electricity and heat.
3. Methane emission intensity. Tracks trends in national emissions intensities of methane gas, reported in tonnes of CO2-equivalent per unit of GDP.
4. Nitrous oxide emission intensity. Tracks trends in national emissions intensities of nitrous oxide emissions, reported in tonnes of CO2-equivalent per unit of GDP.
5. Black carbon emission intensity. Tracks trends in national emissions intensities of black carbon emissions, reported in Gg of black carbon per unit of GDP.

4.25.6 epi_eh Environmental Health (0-100)

Environmental Health measures threats to human health. EPI researchers assigned weights based on the distribution of global disability-adjusted life-years (DALYs) lost to the environmental health risks in the 2018 EPI (see Blanc, Friot, Margni, & Jolliet, 2008). This results in the index being composed of Air Quality (26%), Water and Sanitation (12%) and Heavy Metals (2%).

4.25.7 epi_epi Environmental Performance Index (0-100)

The 2018 Environmental Performance Index (EPI) scores 180 countries on 24 performance indicators across ten issue categories covering environmental health and ecosystem vitality. The 2018 EPI represents a composite index. The EPI researchers begin by gathering data on 24 individual metrics of environmental performance. These metrics are aggregated into a hierarchy beginning with ten issue categories: Air Quality, Water and Sanitation, Heavy Metals, Biodiversity and Habitat, Forests, Fisheries, Climate and Energy, Air Pollution, Water Resources, and Agriculture.

These issue categories are then combined into two policy objectives, Environmental Health and Ecosystem Vitality, and then finally consolidated into the overall EPI. To allow for meaningful comparisons, the EPI researchers construct scores for each of the 24 indicators, placing them onto a common scale where 0 indicates worst performance and 100 indicates best performance. How far a country is from achieving international targets of sustainability determines its placement on this scale.
4.25.8  epi_ev Ecosystem Vitality (0-100)

Ecosystem Vitality measures natural resources and ecosystem services. It derives its values from seven sub indicators: Biodiversity and Habitat (15%), Forests (6%), Fisheries (6%), Climate and Energy (18%), Air Pollution (6%), Water Resources (6%) and Agriculture (3%).

4.25.9  epi_for Forests (0-100)

Forests. It includes the indicator Tree cover loss. It measures the total area of tree loss in areas with greater than 30% tree canopy cover divided by the forest cover in the year 2000. EPI researchers apply a five-year rolling average to better capture trends in forest management strategies.

4.25.10  epi_h2o Water and Sanitation (0-100)

Water and Sanitation. This indicator includes:

1 Sanitation. EPI researchers measure sanitation as the proportion of a country’s population exposed to health risks from their access to sanitation, defined by the primary toilet type used by households.

2 Drinking water. EPI researchers measure drinking water as the proportion of a country’s population exposed to health risks from their access to drinking water, defined by the primary water source used by households and the household water treatment, or the treatment that happens at the point of water collection.

Both sanitation and drinking water are measured using the number of age-standardized disability-adjusted life-years (DALY’s) lost per 100,000 persons. Minimizing the health risks posed from unsafe sanitation and drinking water is a vital step in evaluating a country’s ability to maintain clean water systems and minimize contact with dangerous bacteria and viruses.
4.25.11  epi_hmt Heavy Metals (0-100)

Heavy Metals. It includes the indicator Lead Exposure. EPI researchers measure lead exposure using the number of age-standardized disability-adjusted life-years (DALYs) lost per 100,000 persons due to this risk.

4.25.12  epi_wrs Water Resources (0-100)

Water Resources. It includes the indicator Wastewater treatment. EPI researchers measure wastewater treatment as the percentage of wastewater that undergoes at least primary treatment in each country, normalized by the proportion of the population connected to a municipal wastewater collection system.

4.26  Eurostat

http://ec.europa.eu/eurostat/data/database
(European Commission, 2019)
(Data downloaded: 2019-10-31)

Eurostat Datasets

Eurostat is the statistical office of the European Union situated in Luxembourg. Its mission is to provide high quality statistics for Europe. Its key task is to provide the European Union with statistics at European level that enable comparisons between countries and regions. Eurostat offers a whole range of important and interesting data that governments, businesses, the education sector, journalists and the public can use for their work and daily life.
4.26.1 eu_isiubk Internet use: internet banking

Internet use: internet banking as percentage of all individuals

4.26.2 eu_resallt Researchers in all sectors % tot. employment - full-time (total)

Researchers in all sectors % tot. employment - full-time equivalent (total)

4.26.3 eu_resedut Researchers in Higher Education % tot. employment - full-time (total)

Researchers in Higher Education % tot. employment - full-time equivalent (total)

4.26.4 eu_regovt Researchers in Government % tot. employment - full-time (total)

Researchers in Government % tot. employment - full-time equivalent (total)

4.26.5 eu_scttotpmi Patent applications to the EPO, Per million inhabitants

Patent applications to the EPO, Per million inhabitants
4.26.6 eu_secttotn Patent applications to the EPO, number

Patent applications to the EPO, number

4.27 Food and Agricultural Organization of the United Nations (FAO)


[Food and Agricultural Organization of the United Nations, 2019] [Food and Agricultural Organization of the United Nations, 2016]
(Data downloaded: 2019-11-13)

Environmental Land Use Data

The FAOSTAT Land Use domain contains data on forty-seven categories of land use, irrigation and agricultural practices, relevant to monitor agriculture, forestry and fisheries activities at national, regional and global level.

Data are available by country and year, with global coverage and annual updates.

Note: Micronesia has been dropped due to duplicate cases.

4.27.1 fao_luagr Agricultural land (% of Land area)

Agricultural land (% of Land area)

4.27.2 fao_luagrara Arable Land (% of Agricultural land)

Arable Land (% of Agricultural land)
4.27.3 fao_luagrcrop Cropland (% of Agricultural land)
Cropland (% of Agricultural land)

4.27.4 fao_luagrirrac Agriculture area actually irrigated (% of Agricultural land)
Agriculture area actually irrigated (% of Agricultural land)

4.27.5 fao_luagrirreq Land area equipped for irrigation (% of Agricultural land)
Land area equipped for irrigation (% of Agricultural land)

4.27.6 fao_luagrorg Agriculture area under organic agric. (% of Agricultural land)
Agriculture area under organic agric. (% of Agricultural land)
4.27.7  **fao_luagrpas Land under perm meadows and pastures (% of Agricultural land)**
Land under perm meadows and pastures (% of Agricultural land)

4.27.8  **fao_luagrpccrop Land under Permanent Crops (% of Agricultural land)**
Land under Permanent Crops (% of Agricultural land)

4.27.9  **fao_lucrop Cropland (% of Land area)**
Cropland (% of Land area)

4.27.10 **fao_luforest Forest land (% of Land area)**
Forest land (% of Land area)
4.27.11 fao_luforplant Planted Forest (% of Forest area)
Planted Forest (% of Forest area)

4.27.12 fao_luforprim Primary Forest (% of Forest area)
Primary Forest (% of Forest area)

4.27.13 fao_luforreg Other naturally regenerated forest (% of Forest area)
Other naturally regenerated forest (% of Forest area)

4.27.14 fao_lupas Land under perm meadows and pastures (% of Land area)
Land under perm meadows and pastures (% of Land area)
4.28 James D. Fearon

https://web.stanford.edu/group/ethnic/publicdata/publicdata.html

(Data downloaded: 2019-07-10)

Ethnic and Cultural Diversity by Country

Used in the article Ethnic and Cultural Diversity by Country published in Journal of Economic Growth, containing data on 822 ethnic groups in 160 countries that made up at least 1 percent of the country population in the early 1990s.

4.28.1 fe_cultdiv Cultural Diversity

This measure modifies fractionalization (fe_etfra) so as to take some account of cultural distances between groups, measured as the structural distance between languages spoken by different groups in a country. If the groups in a country speak structurally unrelated languages, their cultural diversity index will be the same as their level of ethnic fractionalization (fe_etfra). The more similar are the languages spoken by different ethnic groups, however, the more will this measure be reduced below the level of ethnic fractionalization for that country. The values are assumed to be constant for all years.

4.28.2 fe_etfra Ethnic Fractionalization

Restricting attention to groups that had at least 1 percent of country population in the 1990s, Fearon identifies 822 ethnic and “ethnoreligious” groups in 160 countries. This variable reflects the probability that two randomly selected people from a given country will belong to different such groups. The variable thus ranges from 0 (perfectly homogeneous) to 1 (highly fragmented). The values are assumed to be constant for all years.
4.28.3 fe_plural Plurality Group

Based on the same set of groups, this variable reflects the population share of the largest group (plurality group) in the country. The values are assumed to be constant for all years.

N: 34

Min. Year: 1946 Max. Year: 2019
N: 34 n: 2516 N: 34 T: 74

4.29 Fund for Peace

http://ffp.statesindex.org/
[Haken et al. 2019]
(Data downloaded: 2019-08-15)

Fragile States Index

The Fragile States Index (Failed States Index), produced by The Fund for Peace, is a critical tool in highlighting not only the normal pressures that all states experience, but also in identifying when those pressures are pushing a state towards the brink of failure. By highlighting pertinent issues in weak and failing states, the FSI - and the social science framework and software application upon which it is built - makes political risk assessment and early warning of conflict accessible to policymakers and the public at large.

The strength of the FSI is its ability to distill millions of pieces of information into a form that is relevant as well as easily digestible and informative. Daily, The Fund for Peace collects thousands of reports and information from around the world, detailing the existing social, economic and political pressures faced by each of the 178 countries that we analyze.

The FSI is based on The Fund for Peace’s proprietary Conflict Assessment Software Tool (CAST) analytical platform. Based on comprehensive social science methodology, data from three primary sources is triangulated and subjected to critical review to obtain final scores for the FSI. Millions of documents are analyzed every year. By applying highly specialized search parameters, scores are apportioned for every country based on twelve key political, social and economic indicators (which in turn include over 100 sub-indicators) that are the result of years of painstaking expert social science research. The Fund for Peace’s software performs content analysis on this collected information.

Through sophisticated search parameters and algorithms, the CAST software separates the relevant data from the irrelevant. Guided by twelve primary social, economic and political indicators (each split into an average of 14 sub-indicators), the CAST software analyzes the collected information using specialized search terms that flag relevant items. Using various algorithms, this analysis is then converted into a score representing the significance of each of the various pressures for a given country. The content analysis is further triangulated with two other key aspects of the overall assessment process: quantitative analysis and qualitative inputs based on major events in the countries examined.

The scores produced by The Fund for Peace’s software are then compared with a comprehensive set of vital statistics - as well as human analysis - to ensure that the software has not misinterpreted the raw data. Though the basic data underpinning the Failed States Index is already freely and widely available electronically, the strength of the analysis is in the methodological rigor and the systematic integration of a wide range of data sources.

137
Note: the principal of data timing was changed. Data from reports correspond to the situation from the previous year. The 2016 Fragile States Index, comprises data collected between January 1, 2015, and December 31, 2015. Therefore data from Report 2016 is recorded for 2015 and the same logic works for all other years.

4.29.1 **dp Demographic Pressure**

Demographic Pressure - Pressures on the population such as disease and natural disasters make it difficult for the government to protect its citizens or demonstrate a lack of capacity or will. Includes pressures and measures related to natural disasters, disease, environment, pollution, food scarcity, malnutrition, water scarcity, population growth, youth bulge, mortality.

![Map of Demographic Pressure](image1)

N: 35

![Graph of Demographic Pressure](image2)

Min. Year: 2005 Max. Year: 2018
N: 35 N: 488 N: 35 T: 14

4.29.2 **eco Economic Decline**

Economic Decline Indicator - It considers factors related to economic decline within a country. For example, the Indicator looks at patterns of progressive economic decline of the society as a whole as measured by per capita income, Gross National Product, unemployment rates, inflation, productivity, debt, poverty levels, or business failures. It also takes into account sudden drops in commodity prices, trade revenue, or foreign investment, and any collapse or devaluation of the national currency. The Economic Decline Indicator further considers the responses to economic conditions and their consequences, such as extreme social hardship imposed by economic austerity programs, or perceived increasing group inequalities. The Economic Decline Indicator is focused on the formal economy - as well as illicit trade, including the drug and human trafficking, and capital flight, or levels of corruption and illicit transactions such as money laundering or embezzlement.

![Map of Economic Decline](image3)

N: 35

![Graph of Economic Decline](image4)

Min. Year: 2005 Max. Year: 2018
N: 35 N: 488 N: 35 T: 14

4.29.3 **ext External Intervention**

External Intervention - When the state fails to meet its international or domestic obligations, external actors may intervene to provide services or to manipulate internal affairs. Includes pressures and measures related to foreign assistance, presence of peacekeepers, presence of UN missions, foreign military intervention, sanctions, credit rating.

![Map of External Intervention](image5)

N: 35

![Graph of External Intervention](image6)

Min. Year: 2005 Max. Year: 2018
N: 35 N: 488 N: 35 T: 14
4.29.4 **ffp_fe Factionalized Elites**

Factionalized Elites - When local and national leaders engage in deadlock and brinkmanship for political gain, this undermines the social contract. Includes pressures and measures related to power struggles, defectors, flawed elections, political competition.


4.29.5 **ffp_fsi Fragile States Index**

Fragile States Index (The Failed States Index) includes an examination of the pressures on states, their vulnerability to internal conflict and societal deterioration. The country ratings are based on the total scores of 12 indicators:

Social Indicators
1. Mounting Demographic Pressures
2. Massive Movement of Refugees or Internally Displaced Persons creating Complex Humanitarian Emergencies
3. Legacy of Vengeance-Seeking Group Grievance or Group Paranoia
4. Chronic and Sustained Human Flight.

Economic Indicators
5. Uneven Economic Development along Group Lines
6. Sharp and/or Severe Economic Decline

Political Indicators
7. Criminalization and/or Delegitimization of the State
8. Progressive Deterioration of Public Services
9. Suspension or Arbitrary Application of the Rule of Law and Widespread Violation of Human Rights
10. Security Apparatus Operates as a “State Within a State”
11. Rise of Factionalized Elites
12. Intervention of Other States or External Political Actors.

For each indicator, the ratings are placed on a scale of 0 to 10, with 0 being the lowest intensity (most stable) and 10 being the highest intensity (least stable). The total score is the sum of the 12 indicators and is on a scale of 0-120.


4.29.6 **ffp_gg Group Grievance**

Group Grievance - When tension and violence exists between groups, the state's ability to provide security is undermined and fear and further violence may ensue. Includes pressures and measures
related to discrimination, powerlessness, ethnic violence, communal violence, sectarian violence, religious violence.

4.29.7 **fhp_hf Human Flight and Brain Drain**

Human Flight and Brain Drain - When there is little opportunity, people migrate, leaving a vacuum of human capital. Those with resources also often leave before, or just as, conflicts erupts. Includes pressures and measures related to migration per capita, human capital, emigration of educated population.

4.29.8 **fhp_hr Human Rights and Rule of Law**

Human Rights and Rule of Law - When human rights are violated or unevenly protected, the state is failing in its ultimate responsibility. Includes pressures and measures related to press freedom, civil liberties, political freedoms, human trafficking, political prisoners, incarceration, religious persecution, torture, executions.

4.29.9 **fhp_ps Public Services**

Public Services - The provision of health, education, and sanitation services, among others, are key roles of the state. Includes pressures and measures related to policing, criminality, education provision, literacy, water and sanitation, infrastructure, quality healthcare, telephony, internet access, energy reliability, roads.
4.29.10  **ref** Refugees and IDPs

Refugees and IDPs - Pressures associated with population displacement. This strains public services and has the potential to pose a security threat. Includes pressures and measures related to displacement, refugee camps, IDP camps, disease related to displacement, refugees per capita, IDPs per capita, absorption capacity.


4.29.11  **sec** Security Apparatus

Security Apparatus - The security apparatus should have monopoly on the use of legitimate force. The social contract is weakened where this is affected by competing groups. Includes pressures and measures related to internal conflict, small arms proliferation, riots and protests, fatalities from conflict, military coups, rebel activity, militancy, bombings, political prisoners.


4.29.12  **sl** State Legitimacy

State Legitimacy - Corruption and lack of representativeness in the government directly undermine the social contract. Includes pressures and measures related to corruption, government effectiveness, political participation, electoral process, level of democracy, illicit economy, drug trade, protests and demonstrations, power struggles.


4.29.13  **ued** Uneven Economic Development

Uneven Economic Development - When there are ethnic, religious, or regional disparities, the governed tend to be uneven in their commitment to the social contract. Includes pressures and measures related to GINI coefficient, income share of highest 10%, income share of lowest 10%, urban-rural service distribution, access to improved services, slum population.
4.30 Freedom House

*https://freedomhouse.org/report-types/freedom-world*

(Data downloaded: 2019-06-18)

Freedom in the World

Freedom in the World is an annual global report on political rights and civil liberties, composed of numerical ratings and descriptive texts for each country and a select group of territories. The 2019 edition covers developments in 195 countries and 14 territories from January 1, 2018, through December 31, 2018.

The report’s methodology is derived in large measure from the Universal Declaration of Human Rights, adopted by the UN General Assembly in 1948. Freedom in the World is based on the premise that these standards apply to all countries and territories, irrespective of geographical location, ethnic or religious composition, or level of economic development. Freedom in the World operates from the assumption that freedom for all people is best achieved in liberal democratic societies.

Freedom in the World assesses the real-world rights and freedoms enjoyed by individuals, rather than governments or government performance per se. Political rights and civil liberties can be affected by both state and nonstate actors, including insurgents and other armed groups. To read more about the methodology used by Freedom House, please visit [https://freedomhouse.org/report/methodology-freedom-world-2019](https://freedomhouse.org/report/methodology-freedom-world-2019). These subcategories, drawn from the Universal Declaration of Human Rights, represent the fundamental components of freedom, which include an individual’s ability to:

- Vote freely in legitimate elections;
- Participate freely in the political process;
- Have representatives that are accountable to them;
- Exercise freedoms of expression and belief;
- Be able to freely assemble and associate;
- Have access to an established and equitable system of rule of law;
- Enjoy personal freedoms, including free movement, the right to hold private property, social freedoms, and equal access to economic opportunities.


4.30.1 fh_aor Associational and Organizational Rights

Associational and Organizational Rights - The variable evaluates the freedom of assembly, demonstrations and open public discussion; the freedom for nongovernmental organizations; and the freedom for trade unions, peasant organizations and other professional and private organizations. Countries are graded between 0 (worst) and 12 (best).
4.30.2 **fh_cl Civil Liberties**

Civil Liberties Rating - Civil liberties allow for the freedoms of expression and belief, associational and organizational rights, rule of law, and personal autonomy without interference from the state. The more specific list of rights considered vary over the years. Countries are graded between 1 (most free) and 7 (least free).

4.30.3 **fh_ep Electoral Process**

Electoral Process - The variable measures to what extent the national legislative representatives and the national chief authority are elected through free and fair elections. Countries are graded between 0 (worst) and 12 (best).

4.30.4 **fh_feb Freedom of Expression and Belief**

Freedom of Expression and Belief - The variable measures the freedom and independence of the media and other cultural expressions; the freedom of religious groups to practice their faith and express themselves; the academic freedom and freedom from extensive political indoctrination in the educational system; and the ability of the people to engage in private (political) discussions without fear of harassment or arrest by the authorities. Countries are graded between 0 (worst) and 16 (best).
4.30.5  fh_fog Functioning of Government

Functioning of Government - The variable examines in what extent the freely elected head of government and a national legislative representative determine the policies of the government; if the government is free from pervasive corruption; and if the government is accountable to the electorate between elections and operates with openness and transparency. Countries are graded between 0 (worst) and 12 (best).

<table>
<thead>
<tr>
<th>Min. Year</th>
<th>Max. Year</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>2016</td>
<td>36</td>
</tr>
</tbody>
</table>

4.30.6  fh_ipolity2 Level of Democracy (Freedom House/Imputed Polity)

Scale ranges from 0-10 where 0 is least democratic and 10 most democratic. Average of Freedom House (fh_pr and fh_cl) is transformed to a scale 0-10 and Polity (p_polity2) is transformed to a scale 0-10. These variables are averaged into fh_polity2. The imputed version has imputed values for countries where data on Polity is missing by regressing Polity on the average Freedom House measure. Hadenius & Teorell (2005) show that this average index performs better both in terms of validity and reliability than its constituent parts.

<table>
<thead>
<tr>
<th>Min. Year</th>
<th>Max. Year</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>2016</td>
<td>36</td>
</tr>
<tr>
<td>1972</td>
<td>2018</td>
<td>36</td>
</tr>
</tbody>
</table>

4.30.7  fh_pair Personal Autonomy and Individual Rights

Personal Autonomy and Individual Rights - The variable evaluates the extent of state control over travel, choice of residence, employment or institution of higher education; the right of citizens to own property and establish private businesses; the private business' freedom from undue influence by government officials, security forces, political parties or organized crime; gender equality, freedom of choice of marriage partners and size of family; equality of opportunity and absence of economic exploitation. Countries are graded between 0 (worst) and 16 (best).

<table>
<thead>
<tr>
<th>Min. Year</th>
<th>Max. Year</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>2016</td>
<td>36</td>
</tr>
<tr>
<td>2005</td>
<td>2018</td>
<td>36</td>
</tr>
</tbody>
</table>

4.30.8  fh_polity2 Level of Democracy (Freedom House/Polity)

Scale ranges from 0-10 where 0 is least democratic and 10 most democratic. Average of Freedom House (fh_pr and fh_cl) is transformed to a scale 0-10 and Polity (p_polity2) is transformed to a scale 0-10. These variables are averaged into fh_polity2.
4.30.9 \textit{fh\_ppp} Political Pluralism and Participation

Political Pluralism and Participation - This variable encompasses an examination of the right of the people to freely organize in political parties; the existence of an opposition with a realistic possibility to increase its support; the ability of the people to make political choices free from domination by the military, totalitarian parties or other powerful groups; and the existence of full political rights for all minorities. Countries are graded between 0 (worst) and 16 (best).

4.30.10 \textit{fh\_pr} Political Rights

Political Rights Rating - Political rights enable people to participate freely in the political process, including the right to vote freely for distinct alternatives in legitimate elections, compete for public office, join political parties and organizations, and elect representatives who have a decisive impact on public policies and are accountable to the electorate. The specific list of rights considered varies over the years. Countries are graded between 1 (most free) and 7 (least free).

4.30.11 \textit{fh\_rol} Rule of Law

Rule of Law - The variable measures the independence of the judiciary; the extent to which rule of law prevails in civil and criminal matters; the existence of direct civil control over the police; the protection from political terror, unjustified imprisonment, exile and torture; absence of war and insurgencies; and the extent to which laws, policies and practices guarantee equal treatment of various segments of the population. Countries are graded between 0 (worst) and 16 (best).
4.30.12  fh_status Freedom Status

1. Free
2. Partly Free
3. Not Free

Until 2003, countries whose combined average ratings for Political Rights and Civil Liberties fell between 1.0 and 2.5 were designated “Free”, between 3.0 and 5.5 “Partly Free”, and between 5.5 and 7.0 “Not Free”. Since then, countries whose ratings average 1.0 to 2.5 are considered “Free”, 3.0 to 5.0 “Partly Free”, and 5.5 to 7.0 “Not Free”.

4.31  Freedom House


Freedom of the Press assesses the degree of print, broadcast, and digital media freedom in 199 countries and territories. Published since 1980, it provides numerical scores and country narratives evaluating the legal environment for the media, political pressures that influence reporting, and economic factors that affect access to news and information. Freedom of the Press is the most comprehensive data set available on global media freedom and serves as a key resource for policymakers, international institutions, journalists, activists, and scholars worldwide.

Note: The number in the variable names indicate what time period they refer to.

1: 1979-1987
2: 1988-1992
3: 1993-1995
4: 1996-2000
5: 2001-2016

4.31.1  fhp_mcei5 Economic influences over media content (2001-2016)

Economic Influences over Media Content (2001-2016).
4.31.2 fhp_mclr5 Laws and regulations that influence media content (2001-2016)

Laws and Regulations that Influence the Media Content (2001-2016). The variable encompasses an examination of both the laws and regulations that could influence media content and the government’s inclination to use these laws and legal institutions to restrict the media’s ability to operate. Freedom House assesses the positive impact of legal and constitutional guarantees for freedom of expression; the potentially negative aspects of security legislation, the penal code, and other criminal statutes; penalties for libel and defamation; the existence of and ability to use freedom of information legislation; the independence of the judiciary and of official media regulatory bodies; registration requirements for both media outlets and journalists; and the ability of journalists’ groups to operate freely. The scale of the variable is 0-30. 0 indicates more freedom.

4.31.3 fhp_mcpp5 Political pressures and controls on media content (2001-2016)

Political Pressures and Controls on Media Content (2001-2016). The variable evaluates the degree of political control over the content of news media. Issues examined include the editorial independence of both state-owned and privately owned media; access to information and sources; official censorship and self-censorship; the vibrancy of the media; the ability of both foreign and local reporters to cover the news freely and without harassment; and the intimidation of journalists by the state or other actors, including arbitrary detention and imprisonment, violent assaults, and other threats. The scale of the variable is 0-40. 0 indicates more freedom.

4.31.4 fhp_score5 Freedom of the Press, Score (2001-2016)

Freedom of the Press, Score (2001-2016): The press freedom index is computed by adding four component ratings: Laws and regulations, Political pressures and controls, Economic Influences and Repressive actions. The scale ranges from 0 (most free) to 100 (least free).

4.31.5 fhp_status5 Freedom of the Press, Status (2001-2016)

1. Free
2. Partly Free
3. Not Free

N: 36

N: 36 n: 576 N: 36 T: 16

4.32 Fraser Institute

https://www.fraserinstitute.org/economic-freedom/dataset
(Gwartney et al. 2016)
(Data downloaded: 2019-11-05)

Economic Freedom of the World Dataset

The index published in Economic Freedom of the World measures the degree to which the policies and institutions of countries are supportive of economic freedom. The cornerstones of economic freedom are personal choice, voluntary exchange, freedom to enter markets and compete, and security of the person and privately owned property. The EFW index now ranks 159 countries and territories. Data are available for approximately 100 nations and territories back to 1980, and many back to 1970. This data set makes it possible for scholars to analyze the impact of both cross-country differences in economic freedom and changes in that freedom across a time frame of three and a half decades.

For a consistent time-series for a particular country and/or longitudinal data for a panel of countries, the Fraser Institute previously developed and reported a chain-linked version of the index. One of the problems with the chain-linked index was that it was limited to just the 123 countries that were available in the chain-link’s “base year” of 2000. With this year’s report, the Institute is replacing the chain-linked index with the EFW Panel Dataset, which reports area and summary ratings for all countries for which we have a regular EFW index score in any given year.

The EFW Panel Dataset adjusts the regular EFW index in two ways. (1) From the most-recent year annually back to 2000, whenever possible, any missing data is estimated by autoregressively “backcasting” the data, meaning the actual values are used in later years to estimate the missing values for earlier years. For example, if a country is missing a data value for a particular component from 2000-2004, this method estimates the missing 2000-2004 values based on data available in 2005 and thereafter. This approach allows to have area and summary ratings for up to the entire 159 countries in the EFW index. (2) For 1970, 1975, 1980, 1985, 1990, and 1995, the index is chain-linked as described in previous editions. That is, using 2000 as the base year, changes in a country’s scores backward in time are based only on changes in components that were present in adjoining years. It should be noted that the EFW Panel Dataset contains area and summary ratings only for those years in which the country received a regular EFW index rating.

4.32.1 _f_tradext _Freedom to Trade Internationally (current)

The index ranges from 0-10 where 0 corresponds to “increasing tax rate on international trade”, “slow import or export process”, “small trade sectors relative to the population and geographic size”, “exchange rate controls are present and a black-market exists”, and “restrictions on the freedom of citizens to engage in capital market exchange with foreigners” and 10 corresponds to “no specific taxes on international trade”, “swift import or export process”, “large trade sectors relative to the population and geographic size”, “no black-market exchange rate”, and “no restrictions on the freedom of citizens
to engage in capital market exchange with foreigners”. The index consists of the following indicators: Taxes on international trade, Regulatory trade barriers, Actual size of trade sector compared to expected size, Difference between official exchange rate and black market rate International capital market controls.

4.32.2 fi_ftradeint_p d Freedom to Trade Internationally (panel data)

The index ranges from 0-10 where 0 corresponds to “increasing tax rate on international trade”, “slow import or export process”, “small trade sectors relative to the population and geographic size”, “exchange rate controls are present and a black-market exists”, and “restrictions on the freedom of citizens to engage in capital market exchange with foreigners” and 10 corresponds to “no specific taxes on international trade”, “swift import or export process”, “large trade sectors relative to the population and geographic size”, “no black-market exchange rate”, and “no restrictions on the freedom of citizens to engage in capital market exchange with foreigners”. The index consists of the following indicators: Taxes on international trade, Regulatory trade barriers, Actual size of trade sector compared to expected size, Difference between official exchange rate and black market rate International capital market controls. Panel-data adjusted.

4.32.3 fi_index Economic Freedom of the World Index (current)

The index is founded upon objective components that reflect the presence (or absence) of economic freedom. The index comprises 21 components designed to identify the consistency of institutional arrangements and policies with economic freedom in five major areas: size of government (fi_sog), legal structure and security of property rights (fi_legprop), access to sound money (fi_sm), freedom to trade internationally (fi_ftradeint), regulation of credit, labor and business (fi_reg). The index ranges from 0-10 where 0 corresponds to “less economic freedom” and 10 to “more economic freedom”. This is the version of the index published at the current year of measurement, without taking methodological changes over time into account.
4.32.4  
**fi_index_pd Economic Freedom of the World Index (panel data)**

The index is founded upon objective components that reflect the presence (or absence) of economic freedom. The index ranges from 0-10 where 0 corresponds to “less economic freedom” and 10 to “more economic freedom”. Panel-data adjusted.

N: 36

Min. Year: 1970  Max. Year: 2017  
N: 36  n: 824  N: 17  T: 23

4.32.5  
**fi_legprop Legal Structure and Security of Property Rights (current)**

The index ranges from 0-10 where 0 corresponds to “no judicial independence”, “no trusted legal framework exists”, “no protection of intellectual property”, “military interference in rule of law”, and “no integrity of the legal system” and 10 corresponds to “high judicial independence”, “trusted legal framework exists”, “protection of intellectual property”, “no military interference in rule of law”, and “integrity of the legal system”. The index consists of the following indicators: Judicial independence: The judiciary is independent and not subject to interference by the government or parties in dispute, Impartial courts: A trusted legal framework exists for private businesses to challenge the legality of government actions or regulations, Protection of intellectual property, Military interference in rule of law and the political process, Integrity of the legal system.

N: 36

Min. Year: 1970  Max. Year: 2017  
N: 36  n: 821  N: 17  T: 23

4.32.6  
**fi_legprop_pd Legal Structure and Security of Property Rights (panel data)**

The index ranges from 0-10 where 0 corresponds to “no judicial independence”, “no trusted legal framework exists”, “no protection of intellectual property”, “military interference in rule of law”, and “no integrity of the legal system” and 10 corresponds to “high judicial independence”, “trusted legal framework exists”, “protection of intellectual property”, “no military interference in rule of law”, and “integrity of the legal system”. The index consists of the following indicators: Judicial independence: The judiciary is independent and not subject to interference by the government or parties in dispute, Impartial courts: A trusted legal framework exists for private businesses to challenge the legality of government actions or regulations, Protection of intellectual property, Military interference in rule of law and the political process, Integrity of the legal system. Panel-data adjusted.

N: 36

Min. Year: 1970  Max. Year: 2017  
N: 36  n: 821  N: 17  T: 23
4.32.7 \textit{fi\_reg} Regulation of Credit, Labor and Business (current)

The index ranges from 0-10 where 0 corresponds to “low percentage of deposits held in privately owned banks”, “high foreign bank license denial rate”, “private sector’s share of credit is close to the base-year-minimum”, “deposit and lending rates is fixed by the government and real rates is persistently negative”, “high impact of minimum wage”, “widespread use of price controls throughout various sectors of the economy”, and “starting a new business is generally complicated” and 10 corresponds to “high percentage of deposits held in privately owned banks”, “low foreign bank license denial rate”, “private sector’s share of credit is close to the base-year-maximum”, “interest rates is determined primarily by market forces and the real rates is positive”, “low impact of minimum wage”, “no price controls or marketing boards”, and “starting a new business is generally easy”. The index consists of the following indicators: Credit Market Regulations, Labor Market Regulations, Business Regulations.

\begin{center}
\begin{tabular}{ll}
Min. Year: & 2016 \quad \textbf{Max. Year:} 2016 \\
N: & 36
\end{tabular}
\begin{tabular}{ll}
Min. Year: & 1970 \quad \textbf{Max. Year:} 2017 \\
N: & 36 \quad n: 820 \quad N: 17 \quad T: 23
\end{tabular}
\end{center}

4.32.8 \textit{fi\_reg\_pd} Regulation of Credit, Labor and Business (panel data)

The index ranges from 0-10 where 0 corresponds to “low percentage of deposits held in privately owned banks”, “high foreign bank license denial rate”, “private sector’s share of credit is close to the base-year-minimum”, “deposit and lending rates is fixed by the government and real rates is persistently negative”, “high impact of minimum wage”, “widespread use of price controls throughout various sectors of the economy”, and “starting a new business is generally complicated” and 10 corresponds to “high percentage of deposits held in privately owned banks”, “low foreign bank license denial rate”, “private sector’s share of credit is close to the base-year-maximum”, “interest rates is determined primarily by market forces and the real rates is positive”, “low impact of minimum wage”, “no price controls or marketing boards”, and “starting a new business is generally easy”. The index consists of the following indicators: Credit Market Regulations, Labor Market Regulations, Business Regulations. Panel-data adjusted.

\begin{center}
\begin{tabular}{ll}
Min. Year: & 2016 \quad \textbf{Max. Year:} 2016 \\
N: & 36
\end{tabular}
\begin{tabular}{ll}
Min. Year: & 1970 \quad \textbf{Max. Year:} 2017 \\
N: & 36 \quad n: 819 \quad N: 17 \quad T: 23
\end{tabular}
\end{center}

4.32.9 \textit{fi\_sm} Access to Sound Money (current)

The index ranges from 0-10 where 0 corresponds to “high annual money growth”, “high variation in the annual rate of inflation”, “high inflation rate”, and “restricted foreign currency bank accounts” and 10 corresponds to “low annual money growth”, “low or no variation in the annual rate of inflation”, “low inflation rate”, and “foreign currency bank accounts are permissible without restrictions”. The index consists of the following indicators: Average annual growth of the money supply in the last five years minus average annual growth of real GDP in the last ten years, Standard inflation variability in the last five years, Recent inflation rate, Freedom to own foreign currency bank accounts domestically and abroad.

151
4.32.10  **fi_sm_pd Access to Sound Money (chain_linked)**

The index ranges from 0-10 where 0 corresponds to “high annual money growth”, “high variation in the annual rate of inflation”, “high inflation rate”, and “restricted foreign currency bank accounts” and 10 corresponds to “low annual money growth”, “low or no variation in the annual rate of inflation”, “low inflation rate”, and “foreign currency bank accounts are permissible without restrictions”. The index consists of the following indicators: Average annual growth of the money supply in the last five years minus average annual growth of real GDP in the last ten years, Standard inflation variability in the last five years, Recent inflation rate, Freedom to own foreign currency bank accounts domestically and abroad. Panel-data adjusted.

4.32.11  **fi_sog Size of Government: Expenditures, Taxes and Enterprises (current)**

The index ranges from 0-10 where 0 corresponds to “large general government consumption”, “large transfer sector”, “many government enterprises”, and “high marginal tax rates and low income thresholds”, and 10 to “small general government consumption”, “small transfer sector”, “few government enterprises”, and “low marginal tax rates and high income thresholds”. The index consists of the following indicators: General government consumption spending as a percentage of total consumption, Transfers and subsidies as a percentage of GDP, Government enterprises and investment as a percentage of total investment, Top marginal tax rate (and income threshold to which it applies).

4.32.12  **fi_sog_pd Size of Government: Expenditures, Taxes and Enterprises (panel data)**

The index ranges from 0-10 where 0 corresponds to “large general government consumption”, “large transfer sector”, “many government enterprises”, and “high marginal tax rates and low income thresholds”, and 10 to “small general government consumption”, “small transfer sector”, “few government enterprises”, and “low marginal tax rates and high income thresholds”. The index consists of the following indicators: General government consumption spending as a percentage of total consumption, Transfers and subsidies as a percentage of GDP, Government enterprises and investment as a percentage of total investment, Top marginal tax rate (and income threshold to which it applies). Panel-data adjusted.
4.33 Guillem and Capron

https://whartonmgmt.wufoo.com/forms/guillencapron-shareholder-protections-index/
(Guillen & Capron, 2016)
(Data downloaded: 2019-07-03)

State Capacity, Minority Shareholder Protections, and Stock Market Development

A longitudinal dataset on the adoption of minority shareholders’ legal protections and the development of the stock market in 78 countries between 1970 and 2011.

4.33.1 gc_shr Minority Shareholder Rights

The ten key legal provisions identified as most relevant to the protection of minority shareholder rights are coded by a team of legal scholars coded between 0 and 1. The measures are not dichotomous because intermediate scores between 0 and 1 are possible. The sum of the scores for each of the ten legal provisions are the value of the variable, ranging from 0 to 10.

The ten legal provisions protecting the rights of minority shareholders:
1. Powers of the general meeting for de facto changes
2. Agenda-setting power
3. Anticipation of shareholder decision facilitated
4. Prohibition of multiple voting rights (super voting rights)
5. Independent board members
6. Feasibility of directors’ dismissal
7. Private enforcement of directors’ duties (derivative suit)
8. Shareholder action against resolutions of the general meeting
9. Mandatory bid
10. Disclosure of major share ownership

4.34 Transparency International

http://www.transparency.org/research/gcb/overview
(International, 2017)
(Data downloaded: 2019-10-08)
Global Corruption Barometer

The Global Corruption Barometer is the only world-wide public opinion survey about the views and experiences of corruption.

The Global Corruption Barometer asks for people’s views on corruption in their country generally, how the level of corruption has changed and in which institution’s the problem of corruption is most severe. It also provides a measure of people’s experience of bribery in the past year across six different services. The survey asks people how well or badly they think their government has done at stopping corruption.

For the 2015-2017 version all the values have been assigned the year 2016.

Note: Only valid answers are used when calculating the averages, “Unknown”, “Don’t know” etc. are excluded.

For the 2003-2013 version, the data for a country is marked as missing if there are less than 100 respondents per year, if there are 100 or more, the value corresponds to the mean of all answers.

4.34.1 geb_pb Corruption Perception: Business

To what extent do you perceive the following categories in this country to be affected by corruption?

Business. 1 (Not at all corrupt) - 5 (Extremely corrupt).

4.34.2 geb_ped Corruption Perception: Education

To what extent do you perceive the following categories in this country to be affected by corruption?

Education. 1 (Not at all corrupt) - 5 (Extremely corrupt).

4.34.3 geb_pj Corruption Perception: Judiciary/Legal System

To what extent do you perceive the following categories in this country to be affected by corruption?

Judiciary/Legal system. 1 (Not at all corrupt) - 5 (Extremely corrupt).
4.34.4  gcb_pmed Corruption Perception: Medical Services
To what extent do you perceive the following categories in this country to be affected by corruption?
Medical services. 1 (Not at all corrupt) - 5 (Extremely corrupt).

4.34.5  gcb_pmedia Corruption Perception: Media
To what extent do you perceive the following categories in this country to be affected by corruption?
Media. 1 (Not at all corrupt) - 5 (Extremely corrupt).

4.34.6  gcb_pmil Corruption Perception: Military
To what extent do you perceive the following categories in this country to be affected by corruption?
Military. 1 (Not at all corrupt) - 5 (Extremely corrupt).

4.34.7  gcb_pngo Corruption Perception: NGOs
To what extent do you perceive the following categories in this country to be affected by corruption?
NGOs. 1 (Not at all corrupt) - 5 (Extremely corrupt).
4.34.8 \textit{gcb\_pooff} Corruption Perception: Public Officials/Civil Servants

To what extent do you perceive the following categories in this country to be affected by corruption? Public officials/Civil servants. 1 (Not at all corrupt) - 5 (Extremely corrupt).

4.34.9 \textit{gcb\_ppa} Corruption Perception: Political Parties

To what extent do you perceive the following categories in this country to be affected by corruption? Political parties. 1 (Not at all corrupt) - 5 (Extremely corrupt).

4.34.10 \textit{gcb\_pparl} Corruption Perception: Parliament

To what extent do you perceive the following categories in this country to be affected by corruption? Parliament. 1 (Not at all corrupt) - 5 (Extremely corrupt).

4.34.11 \textit{gcb\_ppol} Corruption Perception: Police

To what extent do you perceive the following categories in this country to be affected by corruption? Police. 1 (Not at all corrupt) - 5 (Extremely corrupt).
4.3.12 gb_prel Corruption Perception: Religious Bodies

To what extent do you perceive the following categories in this country to be affected by corruption? Religious bodies. 1 (Not at all corrupt) - 5 (Extremely corrupt).

4.35 Gibney, Cornett and Wood

http://www.politicalterrorscale.org/Data/Download.html
(Gibney et al., 2019)
(Data downloaded: 2019-11-28)

The Political Terror Scale

The PTS measures violations of physical integrity rights carried out by states or their agents, covering some 200 countries or territories from 1976 to 2016. The PTS seeks to measure political terror. The authors define political terror as violations of basic human rights to the physical integrity of the person by agents of the state within the territorial boundaries of the state in question. It is important to note that political terror as defined by the PTS is not synonymous with terrorism or the use of violence and intimidation in pursuit of political aims. The concept is also distinguishable from terrorism as a tactic or from criminal acts.

4.35.1 gd_ptsa Political Terror Scale - Amnesty International

Political Terror Scale Levels from the yearly country reports of Amnesty International:

1. Countries under a secure rule of law, people are not imprisoned for their view, and torture is rare or exceptional. Political murders are extremely rare.
2. There is a limited amount of imprisonment for nonviolent political activity. However, few persons are affected, torture and beatings are exceptional. Political murder is rare.
3. There is extensive political imprisonment, or a recent history of such imprisonment. Execution or other political murders and brutality may be common. Unlimited detention, with or without a trial, for political views is accepted.
4. Civil and political rights violations have expanded to large numbers of the population. Murders, disappearances, and torture are a common part of life. In spite of its generality, on this level terror affects those who interest themselves in politics or ideas.
5. Terror has expanded to the whole population. The leaders of these societies place no limits on the means or thoroughness with which they pursue personal or ideological goals.
4.35.2 gd_ptss Political Terror Scale - US State Department

Political Terror Scale Levels from the U.S. State Department Country Reports on Human Rights Practices:

1. Countries under a secure rule of law, people are not imprisoned for their view, and torture is rare or exceptional. Political murders are extremely rare.
2. There is a limited amount of imprisonment for nonviolent political activity. However, few persons are affected, torture and beatings are exceptional. Political murder is rare.
3. There is extensive political imprisonment, or a recent history of such imprisonment. Execution or other political murders and brutality may be common. Unlimited detention, with or without a trial, for political views is accepted.
4. Civil and political rights violations have expanded to large numbers of the population. Murders, disappearances, and torture are a common part of life. In spite of its generality, on this level terror affects those who interest themselves in politics or ideas.
5. Terror has expanded to the whole population. The leaders of these societies place no limits on the means or thoroughness with which they pursue personal or ideological goals.

4.36 Institute for Health Metrics and Evaluation

(Institute for Health Metrics and Evaluation (IHME), 2015)
(Data downloaded: 2019-11-06)

Global Educational Attainment 1970-2015

These are IHME results data from a global analysis of educational attainment spanning the last 50 years. These data are an update to earlier estimates (Educational Attainment and Child Mortality Estimates by Country 1970-2009) and inform the IHME policy report “A Hand Up: Global Progress Towards Universal Education”, as well as the Social Determinants of Health Visualization, which is supported by the Center for Health Trends and Forecasts at IHME.

This data file provides estimates of average years of educational attainment per capita for people over the age of 15 for the years 1970-2015 by year, sex, and age group for 188 countries, 21 GBD regions, 7 GBD super regions, and the global aggregate. Age-standardized and population-weighted estimates are included for females 15-44 and for both sexes for the age group 25+.
4.36.1 gea_en1524f Educational Attainment (15-24 years, Female)
Educational Attainment (15-24 years, Female). Average years of education.

4.36.2 gea_en1524m Educational Attainment (15-24 years, Male)
Educational Attainment (15-24 years, Male). Average years of education.

4.36.3 gea_en2534f Educational Attainment (25-34 years, Female)
Educational Attainment (25-34 years, Female). Average years of education.

4.36.4 gea_en2534m Educational Attainment (25-34 years, Male)
Educational Attainment (25-34 years, Male). Average years of education.

4.36.5 gea_en3544f Educational Attainment (35-44 years, Female)
Educational Attainment (35-44 years, Female). Average years of education.
4.36.6 *gea_en3544m* Educational Attainment (35-44 years, Male)

Educational Attainment (35-44 years, Male). Average years of education.

4.36.7 *gea_en4554f* Educational Attainment (45-54 years, Female)

Educational Attainment (45-54 years, Female). Average years of education.

4.36.8 *gea_en5564m* Educational Attainment (45-54 years, Male)

Educational Attainment (45-54 years, Male). Average years of education.

4.36.9 *gea_en5564f* Educational Attainment (55-64 years, Female)

Educational Attainment (55-64 years, Female). Average years of education.
4.36.10  *gea_ea5564m* Educational Attainment (55-64 years, Male)

Educational Attainment (55-64 years, Male). Average years of education.

4.36.11  *gea_ea65f* Educational Attainment (65+ years, Female)

Educational Attainment (65+ years, Female). Average years of education.

4.36.12  *gea_ea65m* Educational Attainment (65+ years, Male)

Educational Attainment (65+ years, Male). Average years of education.

4.37 United Nations Development Programme

(United Nations Development Programme 2019a)
(Data downloaded: 2019-11-04)
The Gender Inequality Index

The Gender Inequality Index (GII) reflects gender-based disadvantage in three dimensions - reproductive health, empowerment and the labour market - for as many countries as data of reasonable quality allow. It shows the loss in potential human development due to inequality between female and male achievements in these dimensions. It ranges from 0, where women and men fare equally, to 1, where one gender fares as poorly as possible in all measured dimensions.

4.37.1 gii GII Gender Inequality Index (0 to 1 higher disparity)

The GII is an inequality index. It measures gender inequalities in three important aspects of human development: reproductive health, measured by maternal mortality ratio and adolescent birth rates; empowerment, measured by proportion of parliamentary seats occupied by females and proportion of adult females and males aged 25 years and older with at least some secondary education; and economic status, expressed as labour market participation and measured by labour force participation rate of female and male populations aged 15 years and older. The GII is built on the same framework as the IHDI-to better expose differences in the distribution of achievements between women and men. It measures the human development costs of gender inequality. Thus the higher the GII value the more disparities between females and males and the more loss to human development.

4.38 Kristian S. Gleditsch

http://ksgleditsch.com/exptradegdp.html
(K. S. Gleditsch) [2002] (K. Gleditsch & Ward) [1999]
(Data downloaded: 2019-06-17)

Expanded Trade and GDP Data

The dataset by Kristian Gleditsch provides estimates of trade flows between independent states (1948-2000) and GDP per capita of independent states (1950-2011). Version 6. In order to fill in gaps in the Penn World Table's mark 5.6 and 6.2 data (see: Heston, Summers & Aten), Gleditsch has imputed missing data by using an alternative source of data (the CIA World Fact Book), and through extrapolation beyond available time-series.

4.38.1 gle_egdpc GDP per Capita (Current Prices)

GDP per capita (Current prices).

Variable not included in Cross-Section Data
4.38.2 gle_exp Total Export

This amounts to the total export of a country, in millions of current year US dollars, estimated as the sum of all dyadic export figures to that country using the imputation technique described above.

4.38.3 gle_gdp Real GDP (2005)

Real GDP (2005). This is Gleditsch’s estimate of GDP per Capita in US dollars at current year international prices.

4.38.4 gle_imp Total Import

This amounts to the total import of a country, in millions of current year US dollars, estimated as the sum of all dyadic import figures to that country using the imputation technique described above.

4.38.5 gle_pop Population (in the 1000’s)

Size of the population in the years 1000’s.

4.38.6 gle_rgdpc Real GDP per Capita (2005)

This is the estimate of real GDP per Capita in constant US dollars at base year 2000, based on the imputation technique described above.
4.38.7 gcle_trade Total Trade

This amounts to the sum of import and export of a country, in millions of current year US dollars, estimated as the sum of all dyadic import and export figures of that country using the imputation technique described above.

4.39 Bormann and Golder

http://mattgolder.com/elections
(Bormann & Golder, 2013)
(Data downloaded: 2019-11-28)

Democratic Electoral Systems Around the World 1946-2016

The data focus on national-level (lower house) legislative and presidential elections in democratic regimes. A regime is classified as a democracy at the time of an election if (i) the chief executive is elected, (ii) the legislature is elected, (iii) there is more than one party competing in elections, and (iv) an alternation under identical electoral rules has taken place. A regime is classified as a dictatorship at the time of an election if any of these four conditions do not hold (Przeworski et al., 2000; Cheibub, Gandhi and Vreeland, 2010).

Note: The original values of -99 (the information is missing but should theoretically be available) and -88 (there is no single value for this particular variable) have been recoded to ”.” (missing).

4.39.1 gol_adm Average District Magnitude

Average district magnitude in an electoral tier. This is calculated as the total number of seats allocated in an electoral tier divided by the total number of districts in that tier.
4.39.2 gol_dist Districts

This is the number of electoral districts or constituencies in an electoral tier.

N: 36

Min. Year: 1946 Max. Year: 2019
N: 36 n: 2032 N: 27 T: 56

4.39.3 gol_enep Effective Number of Electoral Parties

Effective Number of Electoral Parties.

N: 36

Min. Year: 1946 Max. Year: 2019
N: 36 n: 2032 N: 27 T: 56

4.39.4 gol_enep1 Effective Number of Electoral Parties 1

The effective number of electoral parties once the "other" category has been "corrected" by using the least component method of bounds.

N: 36

Min. Year: 1946 Max. Year: 2019
N: 36 n: 2032 N: 27 T: 56

4.39.5 gol_enepo Effective Number of Electoral Parties (Others)

The percentage of the vote going to parties that are collectively known as "others" in official election results.

N: 36

Min. Year: 1946 Max. Year: 2019
N: 36 n: 2032 N: 27 T: 56

4.39.6 gol_enpp Effective Number of Parliamentary or Legislative Parties

The effective number of parliamentary (legislative) parties.
4.39.7  *gol_enpp1*  Effective Number of Parliamentary or Legislative Parties 1

This is the effective number of parliamentary (legislative) parties once the "other" category has been "corrected" by using the least component method of bounds.

4.39.8  *gol_enpp0*  Effective Number of Parliamentary or Legislative Parties (Others)

The percentage of seats won by parties that are collectively known as "others" in official election results.

4.39.9  *gol_est*  Electoral System Type-3 classes

This is a categorical variable that takes on one of three values indicating the basic type of electoral system used in the elections.

1. Majoritarian
2. Proportional
3. Mixed

4.39.10  *gol_est_spec*  Electoral System Type-11 classes

This is a categorical variable that provides a more detailed indication of the type of electoral system used in the election.
1. Single-Member-District-Plurality (SMDP)
2. Two-Round System (TRS)
3. Alternative Vote (AV)
4. Borda Count (BC)
5. Block Vote (BV)
6. Party Block Vote (PBV)
7. Limited Vote (LV)
8. Single Nontransferable Vote (SNTV)
9. List Proportional Representation (List PR)
10. Single Transferable Vote (STV)
11. Mixed Dependent (or Mixed Member Proportional)
12. Mixed Independent (or Mixed Parallel)

\[ \text{Min. Year: 2016 Max. Year: 2016} \quad N: 36 \]
\[ \text{Min. Year: 1946 Max. Year: 2019} \quad N: 36 \quad n: 2032 \quad T: 56 \]

4.39.11 \text{ gol\_inst Institution}

This is a categorical variable indicating a country’s regime type at the end of a given year. The data for this variable come from Cheibub, Gandhi and Vreeland (2010), which we updated through 2011.

0. Parliamentary democracy
1. Semi-presidential democracy
2. Presidential democracy
3. Civilian dictatorship
4. Military dictatorship
5. Royal dictatorship

Not all elections that occur when a regime is classified as a dictatorship (regime = 4-6) are dictatorial. This apparent anomaly has to do with the fact that a country’s regime type is coded based on its status at the end of a given year. Elections like those in Argentina 1962, Nicaragua 1983, Philippines 1965, and Thailand 1976 all preceded a democratic collapse in the same year. Although these countries are considered dictatorial at the end of these years, we code these particular elections as democratic and therefore include them in our data set. We should note that we code the 1997 elections in Kenya, the 1999 elections in Guinea Bissau, the 2005 elections in Liberia, the 2006 elections in Mauritania, and the 2008 elections in Bangladesh as democratic even though Cheibub, Gandhi and Vreeland (2010) do not code these countries as democratic until the following year. The reason for this is that these elections are the primary reason cited by Cheibub, Gandhi and Vreeland (2010) for their eventual reencoding of these countries as democratic. As an example, Cheibub, Gandhi and Vreeland (2010) do not code Liberia as democratic until 2006 despite the fact that presidential elections took place in October 2005, because the winner of these elections, Ellen Johnson-Sirleaf, did not officially take office until January 2006. The bottom line is that there are a few observations in our data set of democratic elections where regime indicates that the country was a dictatorship by the end of the year.
4.39.12 \texttt{gol\_mt} Multi-Tier Type

This is a dichotomous variable that indicates whether different electoral tiers are linked (1) or not (0). Electoral tiers are linked if the unused votes from one electoral tier are used to allocate seats in another electoral tier, or if the allocation of seats in one electoral tier is conditional on the seats received in a different electoral tier.

4.39.13 \texttt{gol\_nos} Number of Seats

This indicates the total number of seats in the lower house of the national legislature.

4.39.14 \texttt{gol\_pr} PR Type

This is a categorical variable that indicates the precise electoral formula used in an electoral tier.

1. Single-Member-District-Plurality (SMDP)
2. Two Round Majority-Plurality
3. Two Round Qualified Majority
4. Two Round Majority Runoff
5. Alternative Vote (AV)
6. Borda Count (BC)
7. Modified Borda Count (mBC)
8. Block Vote (BV)
9. Party Block Vote (PBV)
10. Limited Vote (LV)
11. Single Nontransferable Vote (SNTV)
12. Hare quota
13. Hare quota with largest remainders
14. Hare quota with highest average remainders
15. Hagenbach-Bischoff quota
16. Hagenbach-Bischoff quota with largest remainders
17. Hagenbach-Bischoff quota with highest average remainders
18. Droop quota
19. Droop quota with largest remainders
20. Droop quota with highest average remainders
21. Imperiali quota
22. Imperiali quota with largest remainders
23. Imperiali quota with highest average remainders
24. Reinforced Imperiali quota
25. D'Hondt
26. Sainte-Laguë
27. Modified Sainte-Laguë

Note: a detailed description of the difference between types you can find in the original codebook.

4.39.15 gol_prem Presidential Election
This is a dichotomous variable that takes on the value 1 if the election is presidential and 0 if the election is legislative.

4.39.16 gol_upseat Upper Seats
This indicates the number of legislative seats allocated in electoral districts above the lowest electoral tier.

4.39.17 gol_uptier Upper Tier
This indicates the percentage of all legislative seats allocated in electoral districts above the lowest electoral tier.
Global Peace Index

The Global Peace Index (GPI), which ranks 163 independent states and territories according to their level of peacefulness. Produced by the Institute for Economics and Peace (IEP), the GPI is the world’s leading measure of global peacefulness. The complete version of the GPI covers 99.7 percent of the world’s population, using 23 qualitative and quantitative indicators from highly respected sources, and measures the state of peace using three thematic domains: the level of Societal Safety and Security; the extent of Ongoing Domestic and International Conflict; and the degree of Militarisation. Please refer to the original source to see all of the indicators.

4.40.1 gpi_dic Displaced people (1-5 Higher displacement)

Refugees by territory of origin (starting in 2010 this indicator also includes the number of internally displaced people by country) as percentage of the country’s total population. Scaled 1 to 5, 5 being a higher percentage of internal displacement. Source: UNHCR Statistical Yearbook and Internal Displacement Monitoring Center.

4.40.2 gpi_gpi Global Peace Index (1-5 Less peaceful)

The GPI (1 to 5, 5 being least peaceful) measures a country’s level of Negative Peace using three domains of peacefulness. The first domain, Ongoing Domestic and International Conflict, investigates the extent to which countries are involved in internal and external conflicts, as well as their role and duration of involvement in conflicts.

The second domain evaluates the level of harmony or discord within a nation; ten indicators broadly assess what might be described as Societal Safety and Security. The assertion is that low crime rates, minimal terrorist activity and violent demonstrations, harmonious relations with neighbouring countries, a stable political scene and a small proportion of the population being internally displaced or made refugees can be equated with peacefulness.

Seven further indicators are related to a country’s Militarisation—reflecting the link between a country’s level of military build-up and access to weapons and its level of peacefulness, both domestically
and internationally. Comparable data on military expenditure as a percentage of GDP and the number of armed service officers per head are gauged, as are financial contributions to UN peacekeeping missions.

N: 35

Min. Year: 2007 Max. Year: 2018
N: 35 n: 420 N: 35 T: 12

4.40.3 gpi_jail Incarceration (1-5 Higher incarceration)
Prison population rates per 100,000 of the national population. Scaled 1 to 5, 5 having a higher incarceration rate. Source: International Centre for Prison Studies, King’s College London, World Prison Population List.

N: 35

Min. Year: 2007 Max. Year: 2018
N: 35 n: 420 N: 35 T: 12

4.41 Gerring, Thacker and Moreno
http://www.bu.edu/stthacker/research/articles-and-data/
(Gerring et al., 2005)
(Data downloaded: 2019-07-25)

Centripetal Democratic Governance
Data used in the book A Centripetal Theory of Democratic Governance (Gerring, John and Thacker, Strom C, 2008).

4.41.1 gtm_parl Parliamentarism
The parliamentary/presidential distinction is conceptualized as a continuum with two dimensions: (a) the degree of separation (independence) between president and parliament (unity = parliamentary, separation = presidential) and, if there is any separation at all, (b) the relative power of the two players (the more power the president possesses, the more presidential is the resulting system). This complex reality is captured with a three-part coding scheme:

0. Presidential
1. Semi-presidential
2. Parliamentary
4.41.2 *gtm_pr* Proportional Representation

The centripetal theory of democratic governance emphasizes the following three features of an electoral system: (a) district magnitude (M), (b) seat allocation rules (majoritarian or proportional), and (c) candidate selection rules. The centripetal ideal type is defined by M>1, proportional seat allocation rules, and party-controlled candidate selection. This is the closed-list-PR electoral system. Other systems are ranked lower in this coding according to their deviation from this ideal type. Thus, the coding for the list-PR variable is as follows:

0. Majoritarian or Preferential-vote
1. Mixed-member majority or Block vote.
2. Closed-list-PR

4.41.3 *gtm_unit* Unitarism

Average of Nonfederalism and Nonbicameralism: Nonfederalism is coded as 0 = federal (elective regional legislatures plus conditional recognition of subnational authority), 1 = semifederal (where there are elective legislatures at the regional level but in which constitutional sovereignty is reserved to the national government), or 2 = non-federal. Nonbicameralism is coded as 0 = strong bicameral (upper house has some effective veto power; the two houses are incongruent), 1 = weak bicameral (upper house has some effective veto power, though not necessarily a formal veto; the two houses are congruent), or 2 = unicameral (no upper house or weak upper house).

4.42 Witold Henisz

[https://mgmt.wharton.upenn.edu/profile/1327](https://mgmt.wharton.upenn.edu/profile/1327)

(Henisz, 2017)

(Data downloaded: 2019-07-04)
Political Constraint Index (POLCON) Dataset

The measure of political constraints employed estimates the feasibility of policy change (the extent to which a change in the preferences of any one actor may lead to a change in government policy) using the following methodology. First, extracting data from political science databases, it identifies the number of independent branches of government (executive, lower and upper legislative chambers) with veto power over policy change. The preferences of each of these branches and the status quo policy are then assumed to be independently and identically drawn from a uniform, unidimensional policy space. This assumption allows for the derivation of a quantitative measure of institutional hazards using a simple spatial model of political interaction.

4.42.1 h_align Executive/Legislative Chamber (lower)

Dummy variable indicating alignment between the executive and the lower legislative chamber, coded 1 when the party controlling the executive branch is either the largest party in the lower legislative chamber or is a member of a ruling coalition in that chamber.

4.42.2 h_f Independent Sub-Federal Unit

Dummy variable coded 1 if there are independent sub-federal units (states, provinces, regions etc.) that impose substantive constraints on national fiscal policy.

4.42.3 h_j Independent Judiciary

Dummy variable coded 1 if there is an independent judiciary (based on information from Polity’s Executive Constraints, p_xconst) and - where available - on ICRG’s index of Law & Order.

4.42.4 h_L Legislative Chamber

Dummy variable coded 1 if there is an effective legislative chamber (based on information from Polity’s Executive Constraints, p_xconst).
4.42.5 \( h_{12} \) 2nd Legislative Chamber

Dummy variable coded 1 if there is an effective second legislative chamber, namely, where \( h_{11} = 1 \) and records on the composition of a second chamber exist - where that chamber is elected under a distinct electoral system and has a substantive (not merely delaying) role in the implementation of fiscal policy.

4.42.6 \( h_{ll0} \) Legislative Fractionalization (lower)

Legislative fractionalization is approximately the probability that two random draws from the lower legislative chamber will be from different parties.

4.42.7 \( h_{polcon3} \) Political Constraints Index III

This index measures the feasibility of policy change, i.e. the extent to which a change in the preferences of any one political actor may lead to a change in government policy. The index is composed from the following information: the number of independent branches of government with veto power over policy change, counting the executive and the presence of an effective lower and upper house in the legislature (more branches leading to more constraint); the extent of party alignment across branches of government, measured as the extent to which the same party or coalition of parties control each branch (decreasing the level of constraint); and the extent of preference heterogeneity within each legislative branch, measured as legislative fractionalization in the relevant house (increasing constraint for aligned executives, decreasing it for opposed executives). The index scores are derived from a simple spatial model and theoretically ranges from 0 to 1, with higher scores indicating more political constraint and thus less feasibility of policy change. Note that the coding reflects information as of January 1 in any given year. Henisz (2002) uses this index to demonstrate that political environments that limit the feasibility of policy change are an important determinant of investment in infrastructure.
4.42.8 h_polcon5 Political Constraints Index V

This index follows the same logic as Political Constraints Index III (h_polcon3) but also includes two additional veto points: the judiciary and sub-federal entities. Note that the coding reflects information as of January 1 in any given year. Henisz (2000) uses this index to measure the impact on cross-national growth rates of a government’s ability to provide credible commitment.

4.43 Heritage Foundation

http://www.heritage.org/index/explore
(Miller et al., 2019)
(Data downloaded: 2019-07-02)

Index of Economic Freedom

The Index of Economic Freedom covers 10 freedoms - from property rights to entrepreneurship - in 186 countries.

Note: For the 2015, most data covers the second half of 2013 through the first half of 2014. To the extent possible, the information considered for each factor was current as of June 30, 2014. It is important to understand that some factors are based on historical information. For example, the monetary policy factor is a 3-year weighted average rate of inflation from January 1, 2011, to December 31, 2013.

4.43.1 hf_business Business Freedom

The business freedom score encompasses 10 components, all weighted equally, based on objective data from the World Bank’s Doing Business study (in 2005-2006; previously other data sources were being used):

- Starting a business - procedures (number)
- Starting a business - time (days)
- Starting a business - cost (% of income per capita)
- Starting a business - minimum capital (% of income per capita)
- Obtaining a license - procedures (number)
- Obtaining a license - time (days)
- Obtaining a license - cost (% of income per capita)
- Closing a business - time (years)
- Closing a business - cost (% of estate)
- Closing a business - recovery rate (cents on the dollar)

Each of these raw components is converted into a scale graded from 0 to 100, where 100 represents the maximum degree of business freedom.

4.43.2 hf_economic Economic Freedom Index

The Economic Freedom index uses 10 specific freedoms, some as composites of even further detailed and quantifiable components:

- Business freedom (hf_business)
- Trade freedom (hf_trade)
- Fiscal freedom (hf_fiscal)
- Freedom from government (hf_govt)
- Monetary freedom (hf_monetary)
- Investment freedom (hf_invest)
- Financial freedom (hf_financ)
- Property rights (hf_prigh)
- Freedom from corruption (hf_corrupt)
- Labor freedom (hf_labor).

Each of these freedoms is weighted equally and turned into an index ranging from 0 to 100, where 100 represents the maximum economic freedom. Although changes in methodology have been undertaken throughout the measurement period, continuous backtracking has been used to maximize comparability over time.

4.43.3 hf_financ Financial Freedom

The financial freedom factor measures the relative openness of each country's banking and financial system by determining: the extent of government regulation of financial services; the extent of state intervention in banks and other financial services; the difficulty of opening and operating financial services firms (for both domestic and foreign individuals); and government influence on the allocation of credit. The country’s financial climate is measured as an overall score between 0 and 100, where 100 represent the maximum degree of financial freedom.
4.43.4 hf_govint Government Integrity

Scale from 0 to 100, where 100 indicates very little corruption. Corruption erodes economic freedom by introducing insecurity and uncertainty into economic relationships. The score for this component is derived primarily from Transparency International’s Corruption Perceptions Index (CPI) for 2011, which measures the level of corruption in 183 countries.

4.43.5 hf_govt Freedom from Government

Scoring of the freedom from government factor is based on two components: Government expenditure as a percentage of GDP, Revenues generated by state-owned enterprises (SOEs) and property as a percentage of total government revenue. Government expenditure as a percentage of GDP is weighted as two-thirds of the freedom from government factor score, and revenue from SOEs is weighted as one-third. In cases where SOE data does not exist, the data is excluded from the factor score. The country’s freedom from government ranges between 0 and 100, where 100 represents the maximum degree of freedom from government.

4.43.6 hf_invest Investment Freedom

This factor scrutinizes each country’s policies toward foreign investment, as well as its policies toward capital flows internally, in order to determine its overall investment climate. The country’s investment freedom ranges between 0 and 100, where 100 represent the maximum degree of investment freedom.
4.43.7 hf_labor Labor Freedom

The new labor freedom factor is a quantitative factor based on objective data from the World Bank’s Doing Business study. It provides reliable cross-country data on regulations concerning minimum wages, laws inhibiting layoffs, severance requirements, and measurable regulatory burdens on hiring, hours, and so on. Specifically, four quantitative components are equally weighted as 25 percent of the labor freedom factor: Minimum wage, Rigidity of hours, Difficulty of firing redundant employees, Cost of firing redundant employees. The country’s labor freedom score ranges from 0 to 100, where 100 represent the maximum degree of labor freedom.

4.43.8 hf_monetary Monetary Freedom

The score for the monetary freedom factor is based on two components: The weighted average inflation rate for the three most recent years, Price controls. The weighted average inflation (WAI) rate for the three most recent years serves as the primary input into an equation that generates the base score for monetary freedom (MF). The extent of price controls is then assessed as a penalty of up to 20 percent subtracted from the base score. The country’s monetary freedom ranges between 0 and 100, where 100 represents the maximum degree of monetary freedom.

4.43.9 hf_prigh ts Property Rights

This factor scores the degree to which a country’s laws protect private property rights and the degree to which its government enforces those laws. It also accounts for the possibility that private property will be expropriated. In addition, it analyzes the independence of the judiciary, the existence of corruption within the judiciary, and the ability of individuals and businesses to enforce contracts. The less certain the legal protection of property is and the greater the chances of government expropriation of property are, the higher a country’s score is. The country’s property rights score ranges from 0 and 100, where 100 represents the maximum degree of protection of property rights.

4.43.10 hf_taxbur Tax Burden

Tax burden is a composite measure that reflects marginal tax rates on both personal and corporate income and the overall level of taxation (including direct and indirect taxes imposed by all levels of
government) as a percentage of gross domestic product (GDP).

With an equal weighting system, it allows a country to achieve a score as high as 67 percent based on two of the components even if it receives a score of 0 percent on the third. The country’s fiscal freedom ranges between 0 and 100, where 100 represent the maximum degree of fiscal freedom.

\[ \text{Min. Year: 2013 Max. Year: 2017} \]
\[ N: 36 \]

\[ \text{Min. Year: 1995 Max. Year: 2019} \]
\[ N: 36 \ n: 887 \ N: 35 \ T: 25 \]

### 4.43.11 hf_trade Trade Freedom

The trade freedom score is based on two inputs: The trade-weighted average tariff rate, Non-tariff barriers (NTBs). Weighted average tariffs is a purely quantitative measure and accounts for the basic calculation of the score. The presence of NTBs in a country affects its trade freedom score by incurring a penalty of up to 20 percentage points, or one-fifth of the maximum score. The country’s trade freedom ranges between 0 and 100, where 100 represents the maximum degree of trade freedom.

\[ \text{Min. Year: 2015 Max. Year: 2017} \]
\[ N: 36 \]

\[ \text{Min. Year: 1995 Max. Year: 2019} \]
\[ N: 36 \ n: 887 \ N: 35 \ T: 25 \]

### 4.44 Hadenius and Teorell

[https://sites.google.com/site/authoritarianregimedataset/data](https://sites.google.com/site/authoritarianregimedataset/data)  
(Wahman et al., 2013) [Hadenius & Teorell, 2007]  
(Data downloaded: 2019-06-27)

The Authoritarian Regime Dataset

The Authoritarian Regimes Dataset version 6.0 covers the time period 1972-2014 and includes all 192 nations recognized as members of the UN except the four micro states of Europe (Andorra, Liechtenstein, Monaco and San Marino) and two micro states in the Pacific that are not members of the World Bank (Nauru and Tuvalu).

### 4.44.1 ht_colonial Colonial Origin

This is a tenfold classification of the former colonial ruler of the country. Following Bernard et al. (2004), we have excluded the British settler colonies (the US, Canada, Australia, Israel and New Zealand), and exclusively focused on “Western overseas” colonialism. This implies that only Western colonizers (e.g. excluding Japanese colonialism), and only countries located in the non-Western hemisphere “overseas” (e.g. excluding Ireland & Malta), have been coded. Each country that has been colonized since 1700 is coded. In cases of several colonial powers, the last one is counted, if it lasted for 10 years or longer. The categories are the following:

0. Never colonized by a Western overseas colonial power
1. Dutch
2. Spanish
3. Italian
4. US
5. British
6. French
7. Portuguese
8. Belgian
9. British-French
10. Australian

4.44.2 \texttt{ht$_{-}$partsz Size of Largest Party in Legislature (in Fractions)}
Counts the largest parties’ number of seats divided by the legislative assemblies’ total number of seats expressed in fractions. In countries with a two-chamber parliament the lower house is counted.

4.44.3 \texttt{ht$_{-}$region The Region of the Country}
This is a tenfold politico-geographic classification of world regions, based on a mixture of two considerations: geographical proximity (with the partial exception of category 5 below) and demarcation by area specialists having contributed to a regional understanding of democratization. The categories are as follow:
1. Eastern Europe and post Soviet Union (including Central Asia)
2. Latin America (including Cuba, Haiti & the Dominican Republic)
3. North Africa & the Middle East (including Israel, Turkey & Cyprus)
4. Sub-Saharan Africa
5. Western Europe and North America (including Australia & New Zealand)
6. East Asia (including Japan & Mongolia)
7. South-East Asia
8. South Asia
9. The Pacific (excluding Australia & New Zealand)
10. The Caribbean (including Belize, Guyana & Suriname, but excluding Cuba, Haiti & the Dominican Republic)
4.44.4 *ht_regtype* Regime Type

This typology of authoritarian regimes is based on a distinction between three modes of political power maintenance (probably the three most widely used throughout history): hereditary succession (lineage), corresponding to monarchies; the actual or threatened use of military force, corresponding to military regimes; and popular elections, designating electoral regimes. Among the latter we distinguish among no-party regimes (where all parties are prohibited), one-party regimes (where all but one party is prohibited), and limited multiparty regimes (where multiple parties are allowed but the system still does not pass as democratic); a subtype of these regimes where no parties are present, although not being prohibited, are coded as “partyless” regimes. A subtype of military regimes are coded “rebel regimes”, where a rebel movement has taken power by military means. We also code hybrids (or amalgams) combining elements from more than one regime type, as well as several minor types of regimes: “theocracies”, “transitional” regimes, “civil war”, foreign “occupation”, and a residual “other” category. Using the mean of the Freedom House and Polity scales (*fh_ipolity2*), the line between democracies and autocracies is drawn at 7.5. This threshold value was chosen by estimating the mean cutoff point separating democracy from autocracy in five well-known categorical measures of democracy: those of Przeworski et al. (2000), Mainwaring et al. (2001), and Reich (2002), together with Freedom House’s and Polity’s own categorical thresholds for democracy.

1. Limited Multiparty
2. Partyless
3. Military
4. Military No-Party
5. Military Multiparty
6. Military One-party
7. One-Party
8. Other
9. One-Party Monarchy
10. Monarchy
11. Rebel Regime
12. Civil War
13. Occupation
14. Theocracy
15. Transitional Regime
16. No-Party Monarchy
17. Multiparty Monarchy
18. Multiparty-Occupied
19. Democracy

![Map and Graph](image_url)

**Min. Year: 2013 Max. Year: 2014**
N: 36

20. Democracy

4.44.5 *ht_regtype1* Regime Type (simplified)

A simplified, collapsed version of *ht_regtype*, where all monarchical regimes with amalgams [*ht_regtype* = 16, 17, 23 or 24] are treated as monarchies, all military regimes with sub-types and amalgams [*ht_regtype* = 4, 5, 6, 7 or 18] are treated as military regimes, and multiparty regimes with sub-types are treated as multiparty regimes [*ht_regtype* = 1 or 2]. Only pure no-party [*ht_regtype* = 3] and one-party [*ht_regtype* = 8] regimes are treated as no-party and one-party regimes, respectively. The minor types [*ht_regtype* = 9, 19, 20, 21, 22 or 23] are treated as other.

1. Monarchy
4.45 Institutions and Elections Project

https://havardhegre.net/iaep/  
(Wig et al., 2015)  
(Data downloaded: 2019-11-08)

Institutions and Elections Project Data

Institutions and Elections Project Data (version 2.0). The objective of the data from the Institutions and Elections Project (IAEP) is to describe the formal institutions that are in place, even if practice does not comport with those formal rules. The data refers to the situation January 1st each year. Note: According to the documentation of the data many of the cases “have more than one executive; [...] the executive referred to may be any one of the executives established in a country”. We urge users to refer to the documentation at the IAEP web site for information about which executive each particular case refers to.

Note: Changes from the original version: The dataset has two types of missing values, logical missing values and actual missing values. In the QoG data, logical missing values were recoded to actual missing values. To access data with logical missing values please use original dataset.

Source: IAEP (Wig et al, 2015).

Find the article at http://journals.sagepub.com/doi/abs/10.1177/2053168015579120

4.45.1 iaep ae Appointment of Executive

Is there an executive appointed either by a PM (that is, an executive who is also a member of the legislature) or a president (an independently selected executive)?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)
4.45.2 iaep_arr Appointment of Regional Representatives

This variable examines the relationship between the central and regional governments, those which are immediately below the central government. We focus exclusively on states or provincial levels of government, municipalities are not coded. In practice, do regions or provinces:

1. Appoint, elect or otherwise choose their own representatives autonomous from decisions by the central government
2. Have their administrators appointed by the central government
3. No regional/provincial governments

Source: IAEP (Wig et al, 2015)

4.45.3 iaep_basp Banning of Anti-System Parties

Does an anti-system platform determine the banning of parties?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

4.45.4 iaep_bp Banned Parties

Are there banned parties?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)
4.45.5 iaep_call Some other executive have the power to call elections

Does some other executive have the power to call elections?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

4.45.6 iaep_cc Constitutional Court

According to the constitution, does the country have a national constitutional court? In some cases, a council with the powers of a constitutional court may exist, though it may not be part of the formal judiciary. In such cases, this non-judicial council with the powers of a constitutional court is coded as the constitutional court.

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

4.45.7 iaep_const The Age of the Constitution (years)

How long has the current constitution existed (years since the constitution was established)?

Source: IAEP (Wig et al, 2015)
4.45.8  iaep_constin The Time the Constitution has been in Effect (years)
How long has the current constitution been in effect (in years)?
Source: IAEP (Wig et al, 2015)

4.45.9  iaep_constlam The Time since the Last Amendment of Constitution (years)
How many years since the last amendment (in years)?
Source: IAEP (Wig et al, 2015)

4.45.10  iaep_ebbp Ethnicity Based Banning of Parties
Does ethnic makeup determine the banning of parties?
0. No
1. Yes
Source: IAEP (Wig et al, 2015)
### 4.45.11 iaep_eccdt Executive Can Change Domestic Taxes

Can an executive change domestic taxes (excluding import/export tariffs) without legislative approval?

0. No  
1. Yes

Source: IAEP (Wig et al, 2015)

<table>
<thead>
<tr>
<th>N</th>
<th>Min. Year</th>
<th>Max. Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Min. Year: 1960 Max. Year: 2012  
N: 34 n: 1499 N: 28 T: 44

### 4.45.12 iaep_ecdl Executive Can Dissolve Legislature

According to the constitution, can an executive dissolve the legislature?

0. No  
1. Yes

Source: IAEP (Wig et al, 2015)

<table>
<thead>
<tr>
<th>N</th>
<th>Min. Year</th>
<th>Max. Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Min. Year: 1960 Max. Year: 2012  
N: 34 n: 1517 N: 29 T: 45

### 4.45.13 iaep_eml Executive is Member of Legislature

Is there an executive who is also a member of the legislature (like a prime minister, for example)? We consider membership in the legislature if either an explicit rule exists which requires an executive to maintain a seat in the legislature, or if practice and/or convention determines membership.

0. No  
1. Yes

Source: IAEP (Wig et al, 2015)

<table>
<thead>
<tr>
<th>N</th>
<th>Min. Year</th>
<th>Max. Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Min. Year: 1960 Max. Year: 2012  
N: 34 n: 1439 N: 27 T: 42
**4.45.14 iaepl_enlc Executive Nomination of Legislature Candidates**

Does executive nomination establish how the field of candidates who stand for legislative elections is determined?

0. No  
1. Yes

Source: IAEP (Wig et al, 2015)

**Variable not included in Cross-Section Data**

N: N/A  Min. Year: N/A  Max. Year: N/A  
Min. Year: 1960  Max. Year: 2012  
N: 34  n: 1524  N: 29  T: 45

**4.45.15 iaepl_epmf Executive Power over Military Force**

Does an executive have the power to use military force abroad without legislative approval?

0. No  
1. Yes

Source: IAEP (Wig et al, 2015)

**Variable not included in Cross-Section Data**

N: N/A  Min. Year: N/A  Max. Year: N/A  
Min. Year: 1960  Max. Year: 2012  
N: 34  n: 1517  N: 29  T: 45

**4.45.16 iaepl_es Electoral System**

What is the type of electoral system for legislative elections?

1. Plurality (First past the post)  
2. Majority  
3. Proportional representation  
4. Mixed systems (combination of PR and either plurality or majority). This option includes situations in which a single chamber contains seats selected by different methods, or situations in which all of the seats in a chamber are chosen with the same method, but each chamber is selected through different methods.

Source: IAEP (Wig et al, 2015)

**Variable not included in Cross-Section Data**

N: N/A  Min. Year: N/A  Max. Year: N/A  
Min. Year: 1960  Max. Year: 2012  
N: 34  n: 1516  N: 29  T: 45

187
4.45.17  iaep_evp Executive Veto Power

Does an executive have constitutional veto power over laws passed by the legislature?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

4.45.18  iaep_ise Independence of Selection of Executive

Is there an executive chosen independently of the legislature (like a president, for example)? If these processes that select the executive is distinct from that which selects the legislature, then we consider the two to be independent. The selection processes, moreover, can involve different - albeit competing or complimentary - forms of selection.

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

4.45.19  iaep_lap Legislature Approves Budget

Does an executive have to secure legislative approval for the budget?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)
4.45.20  iaep_lcre Legislature Can Remove Executive

According to the constitution, can the legislature remove an executive from office?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

4.45.21  iaep_lego Some other executive have the power to introduce legislation

Does some other executive have the power to introduce legislation in the legislature?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

4.45.22  iaep_lrit Legislature’s Ratification of International Treaties

Does the legislature have the constitutional authority to ratify international treaties negotiated by an executive?

0. No authority
1. One chamber approval necessary
2. Both chambers’ approval necessary.

Source: IAEP (Wig et al, 2015)
4.45.23  iaep_lvp Legislature Veto Power

Does the legislature have the constitutional power to stop executive action, in effect a legislative veto?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

4.45.24  iaep_milo Some other executive have the power to use force abroad

Is the power to use military force vested in some other executive?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

4.45.25  iaep_nee National Elections for an Executive

Does the country hold national elections for an executive? We consider national elections to involve subjecting the executive to some form of popular plebiscite. This electoral process may or may not bear any relationship to the ultimate appointment of the executive. Executive council elections that select an executive are not considered national elections.

0. No
1. Yes

Source: IAEP (Wig et al, 2015)
4.45.26  inel National Elections for the Legislature

Does the country hold national elections for the legislature? We consider national elections to involve subjecting the members of the legislature to some form of popular plebiscite. While seats may be divided into districts, we consider national elections to occur when district-wide elections are organized at the national level.

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

Variable not included in Cross-Section Data

Min. Year: 1960 Max. Year: 2012
N: 34 n: 1551 N: 29 T: 46

4.45.27  npa No Parties Allowed

Are no parties allowed?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

Variable not included in Cross-Section Data

Min. Year: 1960 Max. Year: 2012
N: 34 n: 1551 N: 29 T: 46

4.45.28  nr National Referendums

Does the country hold national elections on referendum items?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

Variable not included in Cross-Section Data

Min. Year: 1960 Max. Year: 2012
N: 34 n: 1494 N: 28 T: 44
4.45.29  iaepr_ospy Official State Party

Is there an official state party?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

4.45.30  iaepr_pm5p Parties with More than 5 Percent

How many parties hold at least 5% of seats in the legislature?

1. One
2. Two
3. More than two

Source: IAEP (Wig et al, 2015)

4.45.31  iaepr_pnlc Party Nomination of Legislature Candidates

Does party nomination (party list, convention, etc.) establish how the field of candidates who stand for legislative elections is determined?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)
4.45.32  iaep_pselc Petition Signatures Establish Legislature Candidates

Do petition signatures establish how the field of candidates who stand for legislative elections is determined?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A

Min. Year: 1960 Max. Year: 2012
N: 34 n: 1524 N: 29 T: 45

4.45.33  iaep_pvelc Party Vote Establish Legislature Candidates

Do members of party vote (primary) establish how the field of candidates who stand for legislative elections is determined?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A

Min. Year: 1960 Max. Year: 2012
N: 34 n: 1524 N: 29 T: 45

4.45.34  iaep_rbbp Religion Based Banning of Parties

Does religious affiliation determine the banning of parties?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A

Min. Year: 1960 Max. Year: 2012
N: 34 n: 1551 N: 29 T: 46
4.45.35  **iaep_snlc** Self-Nomination of Legislature Candidates

Does self-nomination establish how the field of candidates who stand for legislative elections is determined?

0. No
1. Yes

Source: IAEP (Wig et al, 2015)

![Variable not included in Cross-Section Data](image)

<table>
<thead>
<tr>
<th>N: N/A</th>
<th>Min. Year: N/A</th>
<th>Max. Year: N/A</th>
</tr>
</thead>
</table>

4.45.36  **iaep_ufs** Unitary or Federal State

This variable examines the relationship between the central and regional governments, those which are immediately below the central government. We focus exclusively on states or provincial levels of government, municipalities are not coded. Is the government structure a:

1. Unitary system
2. Confederation
3. Federal system

Source: IAEP (Wig et al, 2015)

![Variable not included in Cross-Section Data](image)

<table>
<thead>
<tr>
<th>N: N/A</th>
<th>Min. Year: 1960</th>
<th>Max. Year: 2012</th>
</tr>
</thead>
</table>

4.46  **International Country Risk Guide - The PRS Group**


(PRSGroup et al., 2019)

(Data downloaded: 2019-07-08)

**ICRG Indicator of Quality of Government**

ICRG collects political information and financial and economic data, converting these into risk points.

4.46.1  **icrg_qog** ICRG Indicator of Quality of Government

The mean value of the ICRG variables “Corruption”, “Law and Order” and “Bureaucracy Quality”, scaled 0-1. Higher values indicate higher quality of government.

Corruption (originally 6 points)
This is an assessment of corruption within the political system. Such corruption is a threat to foreign investment for several reasons: it distorts the economic and financial environment; it reduces the efficiency of government and business by enabling people to assume positions of power through patronage rather than ability; and, last but not least, it introduces an inherent instability into the political process. The most common form of corruption met directly by business is financial corruption in the form of demands for special payments and bribes connected with import and export licenses, exchange controls, tax assessments, police protection, or loans. Such corruption can make it difficult to conduct business effectively, and in some cases may force the withdrawal or withholding of an investment. Although the measure takes such corruption into account, it is more concerned with actual or potential corruption in the form of excessive patronage, nepotism, job reservations, “favor-for-favors”, secret party funding, and suspiciously close ties between politics and business. According to ICRG, these insidious sorts of corruption are potentially of much greater risk to foreign business in that they can lead to popular discontent, unrealistic and inefficient controls on the state economy, and encourage the development of the black market. The greatest risk in such corruption is that at some time it will become so overwhelming, or some major scandal will be suddenly revealed, so as to provoke a popular backlash, resulting in a fall or overthrow of the government, a major reorganizing or restructuring of the country’s political institutions, or, at worst, a breakdown in law and order, rendering the country ungovernable.

Law and order (originally 6 points)
Law and Order are assessed separately, with each sub-component comprising zero to three points. The Law sub-component is an assessment of the strength and impartiality of the legal system, while the Order sub-component is an assessment of popular observance of the law. Thus, a country can enjoy a high rating in terms of its judicial system, but a low rating if it suffers from a very high crime rate or if the law is routinely ignored without effective sanction (for example, widespread illegal strikes).

Bureaucracy Quality (originally 4 points)
The institutional strength and quality of the bureaucracy is another shock absorber that tends to minimize revisions of policy when governments change. Therefore, high points are given to countries where the bureaucracy has the strength and expertise to govern without drastic changes in policy or interruptions in government services. In these low-risk countries, the bureaucracy tends to be somewhat autonomous from political pressure and to have an established mechanism for recruitment and training. Countries that lack the cushioning effect of a strong bureaucracy receive low points because a change in government tends to be traumatic in terms of policy formulation and day-to-day administrative functions.

The component variables can be purchased at http://epub.prsgroup.com/products/icrg

4.47 International Centre for Tax and Development and UNU-WIDER

https://www.wider.unu.edu/project/government-revenue-dataset
[ICTD/UNU-WIDER 2019]
(Data downloaded: 2019-11-07)
ICTD/UNU-WIDER Government Revenue Dataset

The GRD aims to present a complete picture of government revenue and tax trends over time and allows for analysis at the country, regional or cross-country level. Where possible, figures are expressed both inclusive and exclusive of natural resource revenues, which helps to overcome a major obstacle to cross-country comparisons in existing data sources.

4.47.1 ictd_nontax Consolidated Non-Tax Revenue

Total non-tax revenue, comprising data categorized as either “non-tax revenue” or “other revenue” depending on the underlying source. Includes revenue from both resource and non-resource sources.

Min. Year: 2013 Max. Year: 2017
N: 36

Min. Year: 1980 Max. Year: 2017
N: 36 n: 1004 N: 26 T: 28

4.47.2 ictd_revexsc Revenue (excluding social contributions)

Total government revenue, excluding social contributions.

Min. Year: 2013 Max. Year: 2017
N: 35

Min. Year: 1980 Max. Year: 2017
N: 35 n: 953 N: 25 T: 27

4.47.3 ictd_revinsc Revenue (including social contributions)

Total government revenue including taxes, non-tax revenue, grants and social contributions.

Min. Year: 2013 Max. Year: 2017
N: 34

Min. Year: 1980 Max. Year: 2017
N: 34 n: 942 N: 25 T: 28

4.47.4 ictd_revres Total Resource Revenue

Total natural resource revenues, including natural resource revenues reported as “tax revenue” or “non-tax revenue”. Natural resources are here defined as natural resources that include a significant component of economic rent, primarily from oil and mining activities.
4.47.5 ictd_soccon Social Contributions
Total social contributions.

4.47.6 ictd_taxcorp Taxes on Corporations and Other Enterprises
Total income and profit taxes on corporations, including taxes on resource firms.

4.47.7 ictd_taxexc Taxes (excluding social contributions)
Total tax revenue, excluding social contributions.

4.47.8 ictd_taxgs Taxes on Goods and Services
Total taxes on goods and services, which includes (but it not necessarily always equal to) sales taxes and excise taxes.
4.47.9 ictd_taxinc Taxes on Income, Profits, and Capital Gains

Total taxes on income, profits and capital gains, including taxes on natural resource firms. This figure is always exclusive of social contributions. The total value of Taxes on Income, Profits and Capital Gains may sometimes exceed the sum of Individuals and Corporations, due to revenues that are unallocated between the two.

4.47.10 ictd_taxind Taxes on Individuals

Total income, capital gains and profit taxes on individuals. This figure is always exclusive of resource revenues in available sources.

4.47.11 ictd_taxindirect Indirect Taxes

Total indirect taxes, including resource revenues. Includes taxes on goods and services, taxes on international trade and other taxes. Indirect may exceed the sum of Taxes on Goods and Services, Taxes on International Trade and Transactions and Other Taxes due to unallocated revenue not classified in any of these categories.

4.47.12 ictd_taxincsce Taxes (including social contributions)

Total tax revenue, including social contributions.
4.47.13  *ictd_taxresexsc* Non-resource Tax (excluding social contributions)

Total non-resource tax revenue, excluding social contributions. Calculated as “Taxes excluding social contributions” minus “resource taxes”. This is the variable recommended for econometric analysis, as it is most complete and consistent across countries.

4.47.14  *ictd_taxresinsc* Non-Resource Tax (including social contributions)

Total non-resource tax revenue, including social contributions. Calculated as “Taxes including social contributions” minus “resource taxes”.

4.47.15  *ictd_taxother* Other Taxes

Total other taxes.

4.47.16  *ictd_taxpaywf* Taxes on Payroll and Workforce

Total taxes on payroll and workforce. This variable is entirely distinct from social contributions, though in underlying sources social contributions are very occasionally reported as payroll taxes.
4.47.17 ictd_taxprop Taxes on Property
Total taxes on property.

4.47.18 ictd_taxres Resource Taxes
Component of reported tax revenue that is from natural resource sources, most often corporate taxation of resource firms.

4.47.19 ictd_taxtrade Taxes on International Trade and Transactions
Total taxes on international trade, including both import and export taxes. In some cases this figure may also include VAT collected at the border, where countries consistently report revenue in this way.

4.48 Institute for Democracy and Electoral Assistance
https://www.idea.int/data-tools/data/electoral-system-design
(The International Institute for Democracy and Electoral Assistance 2019a)
(Data downloaded: 2019-07-10)
**Electoral System Design**

The Electoral System Design Database is comprised of various reviews of the electoral legislation of countries from around the world. The database research was sourced from national legal documents from different sources, including the official web portals of governments, regional organizations that work in the area of democracy and electoral processes, and research institutes specialized in the area of elections and politics in general.

### 4.48.1 *ideaesd_esf* Electoral System Family

Electoral System Family

1. Proportional Representation
2. Plurality/Majority
3. Plurality/Majority and Proportional Representation
4. Mixed
5. Transition
6. Other
7. Not Applicable

### 4.48.2 *ideaesd_esnl* Electoral System for the National Legislature

Electoral System for National Legislature:

1. List Proportional Representation (List PR)
   Under a List Proportional Representation (List PR) system each party or grouping presents a list of candidates for a multi-member electoral district, the voters vote for a party, and parties receive seats in proportion to their overall share of the vote. In some (closed list) systems the winning candidates are taken from the lists in order of their position on the lists. If the lists are ‘open’ or ‘free’ the voters can influence the order of the candidates by marking individual preferences.

2. Block Vote (BV)
   Block Vote is a plurality/majority system used in multi-member districts. Electors have as many votes as there are candidates to be elected. The candidates with the highest vote totals win the seats. Usually voters vote for candidates rather than parties and in most systems may use as many, or as few, of their votes as they wish.

3. First Past the Post (FPTP)
   First Past The Post is the simplest form of plurality/majority electoral system. The winning candidate is the one who gains more votes than any other candidate, even if this is not an absolute majority of valid votes. The system uses single-member districts and the voters vote for candidates rather than political parties.

4. Two-Round System (TRS)
   The Two-Round System is a plurality/majority system in which a second election is held if no candidate or party achieves a given level of votes, most commonly an absolute majority (50 percent plus one), in the first election round. A Two-Round System may take a majority-plurality form-more than two candidates contest the second round and the one wins the highest number of votes in the second round is elected, regardless of whether they have won an absolute majority-or a majority run-off form-only the top two candidates in the first round contest the second round.
5. Mixed Member Proportional (MMP)
Mixed Member Proportional is a mixed system in which the choices expressed by the voters are used to elect representatives through two different systems—one List PR system and (usually) one plurality/majority system—where the List PR system compensates for the disproportionality in the results from the plurality/majority system.

6. Single Transferable Vote (STV)
The Single Transferable Vote is a preferential system in which the voter has one vote in a multi-member district and the candidates that surpass a specified quota of first preference votes are immediately elected. In successive counts, votes are redistributed from least successful candidates, who are eliminated, and votes surplus to the quota are redistributed from successful candidates, until sufficient candidates are declared elected. Voters normally vote for candidates rather than political parties, although a party-list option is possible.

7. Alternative Vote (AV)
The Alternative Vote is a preferential plurality/majority system used in single-member districts. Voters use numbers to mark their preferences on the ballot paper. A candidate who receives an absolute majority (50% plus 1) of valid first preference votes is declared elected. If no candidate achieves an absolute majority of first preferences, the least successful candidates are eliminated and their votes reallocated according to their second preferences until one candidate has an absolute majority. Voters vote for candidates rather than political parties.

8. Single Non-Transferable Vote (SNTV)
Under the Single Non-Transferable Vote system, voters cast a single vote in a multi-member district. The candidates with the highest vote totals are declared elected. Voters vote for candidates rather than political parties.

9. Two-Round System, Party Block Vote (TRS PBV)
Party Block Vote (PBV) is a plurality/majority system using multi-member districts in which voters cast a single party-centered vote for a party of choice, and do not choose between candidates. The party with most votes will win every seat in the electoral district.

10. Limited Vote (LV)
Limited Vote is a candidate-centred electoral system used in multi-member districts in which electors have more than one vote, but fewer votes than there are candidates to be elected. The candidates with the highest vote totals win the seats.

11. First Past The Post, Party Block Vote (FPTP PBV)

12. First Past the Post, List Proportional Representation (FPTP List PR)

13. First Past the Post, Block Vote (FPTP BV)

14. First Past the Post, Party Block Vote, List Proportional Representation (FPTP PBV List PR)

15. Parallel
A Parallel System is a mixed system in which the choices expressed by the voters are used to elect representatives through two different systems—one List PR system and (usually) one plurality/majority system—but where no account is taken of the seats allocated under the first system in calculating the results in the second system.

16. In transition

17. Modified Borda Count (Modified BC)
Borda Count (BC) - A candidate-centred preferential system used in either single- or multimember districts in which voters use numbers to mark their preferences on the ballot paper and each preference marked is then assigned a value using equal steps. These are summed and the candidate(s) with
the highest total(s) is/are declared elected.

18. Two-Round System, Party Block Vote, List Proportional Representation (TRS PBV List PR)

19. No direct elections.

4.48.3 ideasd.esp Electoral System for the President

Electoral System for the President:

1. Two-Round System (TRS)
The Two-Round System is a plurality/majority system in which a second election is held if no candidate or party achieves a given level of votes, most commonly an absolute majority (50 per cent plus one). In the first election round, a Two-Round System may take a majority-plurality form—more than two candidates contest the second round and the one wins the highest number of votes in the second round is elected, regardless of whether they have won an absolute majority—or a majority run-off form—only the top two candidates in the first round contest the second round.

2. First Past the Post (FPTP)
First Past the Post is the simplest form of plurality/majority electoral system. The winning candidate is the one who gains more votes than any other candidate, even if this is not an absolute majority of valid votes. The system uses single-member districts and the voters vote for candidates rather than political parties.

3. Supplementary Vote (SV)
Supplementary vote: Voters can rank up to three candidates, and if no candidate wins a majority in the first round of voting, second and third preferences from ballots whose first preference candidate has been eliminated are used to determine the winner.

4. Single Transferable Vote (STV)
The Single Transferable Vote is a preferential system in which the voter has one vote in a multi-member district and the candidates that surpass a specified quota of first preference votes are immediately elected. In successive counts, votes are redistributed from least successful candidates, who are eliminated, and votes surplus to the quota are redistributed from successful candidates, until sufficient candidates are declared elected. Voters normally vote for candidates rather than political parties, although a party-list option is possible.

5. In Transition

6. Other

7. Not applicable
4.48.4 `ideased_lsd` Legislative Size (Directly Elected)

Legislative size, directly elected. Total number of directly elected representatives, excluding those appointed or indirectly elected.

N: N/A  Min. Year: N/A  Max. Year: N/A  N: N/A  T: N/A

4.48.5 `ideased_lsvm` Legislative Size (Voting Members)

Legislative size, voting members. Total number of directly elected representatives, including those appointed or indirectly elected.

N: N/A  Min. Year: N/A  Max. Year: N/A  N: N/A  T: N/A

4.48.6 `ideased_tiers` Number of Tiers

Number of tiers. The tiers of an electoral system can be understood as the sets of representatives that are elected to the same chamber by the entire electorate of a country. 99 indicates a hybrid system, where one part of the country elects representatives using one electoral system, while another distinct part of the country elects representatives using a different system.

N: N/A  Min. Year: N/A  Max. Year: N/A  N: N/A  T: N/A

4.49 Institute for Democracy and Electoral Assistance

https://www.idea.int/data-tools/data/voter-turnout
(The International Institute for Democracy and Electoral Assistance 2019b)
Voter Turnout Database

The Voter Turnout Database is the best resource for a wide array of statistics on voter turnout from around the world. It contains the most comprehensive global collection of voter turnout statistics from presidential and parliamentary elections since 1945. Always growing, the database also includes European Parliament elections, as presented by country using both the number of registered voters and voting age population as indicators, and in some cases the data includes statistics on spoilt ballot rate.

4.49.1 ideavt_legcv Parliamentary Election: Compulsory Voting

Parliamentary Election: Compulsory Voting

Min. Year: 2013 Max. Year: 2018
N: 36

Min. Year: 1946 Max. Year: 2019
N: 36 n: 632 T: 18

4.49.2 ideavt_legvt Parliamentary Election: Voter Turnout

Parliamentary Election: Voter Turnout

Min. Year: 2013 Max. Year: 2018
N: 36

Min. Year: 1946 Max. Year: 2019
N: 36 n: 620 T: 17

4.50 Institute for Health Metrics and Evaluation

http://www.healthdata.org/gbd
(Global Burden of Disease Collaborative Network 2018)
(Data downloaded: 2019-11-12)

Global Burden of Disease Study 2017

IHME provides rigorous and comparable measurement of the world’s most important health problems and evaluates the strategies used to address them.

4.50.1 ihme_hle_0104f Healthy Life Years, Female, Age 1-4 years

Healthy Life Years, Female, Age 1-4 years. HALE is often referred to as healthy life expectancy. Unlike life expectancy, HALE takes into account mortality and nonfatal outcomes. HALE does this by summarizing years lived in less than ideal health (YLDs) and years lost due to premature mortality (YLLs) in a single measure of average population health for individual countries.
4.50.2 ihme_hle_0104m Healthy Life Years, Male, Age 1-4 years

Healthy Life Years, Male, Age 1-4 years. HALE is often referred to as healthy life expectancy. Unlike life expectancy, HALE takes into account mortality and nonfatal outcomes. HALE does this by summarizing years lived in less than ideal health (YLDs) and years lost due to premature mortality (YLLs) in a single measure of average population health for individual countries.

4.50.3 ihme_hle_0104t Healthy Life Years, Both sexes, Age 1-4 years

Healthy Life Years, Both sexes, Age 1-4 years. HALE is often referred to as healthy life expectancy. Unlike life expectancy, HALE takes into account mortality and nonfatal outcomes. HALE does this by summarizing years lived in less than ideal health (YLDs) and years lost due to premature mortality (YLLs) in a single measure of average population health for individual countries.

4.50.4 ihme_lifexp_0104f Life Expectancy, Female, Age 1-4 years

Life Expectancy, Female, Age 1-4 years. Life expectancy is the number of years a person can expect to live at any given age.

4.50.5 ihme_lifexp_0104m Life Expectancy, Male, Age 1-4 years

Life Expectancy, Male, Age 1-4 years. Life expectancy is the number of years a person can expect to live at any given age.
4.50.6 \textit{ihme\textunderscore lifexp\textunderscore 0104t} Life Expectancy, Both sexes, Age 1-4 years

Life Expectancy, Both sexes, Age 1-4 years. Life expectancy is the number of years a person can expect to live at any given age.

4.51 ERCAS European Research Centre for Anti-Corruption and State-Building

\url{http://integrity-index.org/}  
(Mungiu-Pippidi et al., 2019)  
(Data downloaded: 2019-11-04)

\textbf{Index of Public Integrity}

This dataset contains data used in the construction of the Index of Public Integrity (IPI). The overall IPI score is the arithmetic average of the following six components scores: Judicial Independence, Administrative Burden, Trade Openness, Budget Transparency, E-Citizenship, and Freedom of the Press.

Several indices currently show that corruption remains a key issue not only in developing countries but also in many modern societies. How to control it better has thus become a major question of international development. Yet, the common corruption indices tell us mainly about how citizens and experts perceive the state of corruption in their society. They do not tell us anything about the causes of corruption nor about how the situation could be improved. The Index of Public Integrity \textit{ipi\textunderscore toolbar} takes a different approach. It assesses a society’s capacity to control corruption and ensure that public resources are spent without corrupt practices. It is based on years of research and the evaluation of the efforts of different societies to make advances in the control of corruption.

Evidence from comparisons across countries shows that establishing effective control of corruption requires much more than the mere adoption of specific tools and strict legal regulations. It relies on a balance between a state calibrated to reduce the possibility of the abuse of influence and a society’s capacity to hold its government accountable. The IPI highlights the most important dimensions of that mechanism. It correlates with the World Bank’s and Transparency International’s measures of control of corruption, but in contrast to them it is more objective and transparent.

4.51.1 \textit{ipi\_ab} Administrative Burden (index)

Administrative Burden measures the extent of domestic bureaucratic regulation. An excessive administrative burden and too many regulations open doors for discretion and red tape, thereby resulting
in a high risk of corruption. Consists of the simple mean of standardized values of: number of procedures required to start up a business; time needed to start up a business; number of tax payments per year; time to pay taxes. The indicators are taken from the World Bank Doing Business Data 2016. This mean value has been transformed to be in range between 1 and 10 with 10 implying the lowest administrative burden.

\[
\begin{array}{llll}
\text{Min. Year:} & 2016 & \text{Max. Year:} & 2018 \\
\text{N:} & 35 & \text{N:} & \text{N/A} \\
\end{array}
\]

4.51.2 \textbf{ipi\_e E-Citizenship (index)}

E-Citizenship captures the ability of citizens to use online tools and social media and thus exercise social accountability. Internet media in general and social networks in particular are indispensable components of citizen empowerment. Simple mean of standardized values of the: Fixed broadband subscriptions (% population); Internet users (% population); Facebook users (% population). The first two variables were taken from International Telecommunication Union’s ICT Dataset 2015, the latter from the Internet World Stats 2015. The value has been transformed to be in range between 1 and 10 with 10 implying the highest score for E-Citizenship.

\[
\begin{array}{llll}
\text{Min. Year:} & 2016 & \text{Max. Year:} & 2018 \\
\text{N:} & 35 & \text{N:} & \text{N/A} \\
\end{array}
\]

4.51.3 \textbf{ipi\_ipi Index of Public Integrity (overall)}

The overall IPI score is the arithmetic average of the following six components scores: Judicial Independence, Administrative Burden, Trade Openness, Budget Transparency, E-Citizenship, Freedom of the Press.

\[
\begin{array}{llll}
\text{Min. Year:} & 2016 & \text{Max. Year:} & 2018 \\
\text{N:} & 35 & \text{N:} & \text{N/A} \\
\end{array}
\]

4.51.4 \textbf{ipi\_tradeopen Trade Openness (index)}

Trade Openness measures the extent of regulation concerning a country’s external economic activity. Open countries can control corruption better by removing room for discretion at the level of administrative trade barriers and thus allowing free competition. Made up from the simple mean of standardized values of: average number of documents required to export and import; time for exporting and importing. The indicators stem from the World Bank Doing Business Data 2015. Their value has been transformed to be in range between 1 and 10 with 10 implying the highest trade openness.

\[
\begin{array}{llll}
\text{Min. Year:} & 2016 & \text{Max. Year:} & 2018 \\
\text{N:} & 35 & \text{N:} & \text{N/A} \\
\end{array}
\]
4.52 Inter-Parliamentary Union

http://www.ipu.org/wmn-e/world-arc.htm
(Inter-Parliamentary Union) [2019]
(Data downloaded: 2018-09-19)

Inter-Parliamentary Union Data
The data has been compiled by the Inter-Parliamentary Union on the basis of information provided by National Parliaments. Comparative data on the world and regional averages as well as data concerning the two regional parliamentary assemblies elected by direct suffrage can be found on separate pages.

Note: The figures for South Africa on the distribution of seats in the Upper House do not include the 36 special rotating delegates appointed on an ad hoc basis, and all percentages given are therefore calculated on the basis of the 54 permanent seats. Included in the QoG Dataset are the data for January each year.

4.52.1 ipu_l_s Number of Seats (Lower and Single Houses)
Number of Seats (Lower and Single Houses).

4.52.2 ipu_l_sw Share of Women (Lower and Single Houses)
Share of Women (Lower and Single Houses).

4.52.3 ipu_l_w Number of Women (Lower and Single Houses)
Number of Women (Lower and Single Houses).
4.53 Johnson and Wallack

https://dataverse.harvard.edu/dataset.xhtml?persistentId=hdl:1902.1/17901
(Johnson & Wallack, 2012)
(Data downloaded: 2019-07-16)

Electoral Systems and the Personal Vote

This database updates and expands the coding of electoral systems presented in Gaviria et al’s (2003) Database of Particularism. Data now cover up to 180 countries from 1978-2005 and distinguish electoral systems by the degree to which electoral institutions create incentives for candidates to cultivate a personal vote - as described theoretically in Carey and Shugart (1995) and Gaviria et al. (2003) - including the amount of vote pooling among co-partisan candidates, the amount of parties’ control over ballot access, and whether voters cast their votes for candidates or parties. The database also contains several variables that rank-order electoral systems by tier, distinguish mixed-member and other multi-tier electoral systems, capture district magnitude (in two ways), and record election years. Database created 2007. Database last updated 2010.

4.53.1 jw_avgballot Party Control over Ballot (lower/only house)

Country-level weighted averages of Party Control over Ballot - SMD (lower/only house) (jw_smdballot) and Party Control over Ballot - MMD (lower/only house) (jw_mmdballot), where the weights are the percentage of members that originate from each tier. This variable thus reflects the value of ballots for the average member sitting in the lower house. The ballot variables focus on the amount of party control over candidates’ access to a competitive position on the ballot. The variables equal (in order of increasing personal vote incentives): (0) where parties control access to ballots as well as the order in which individuals will fill the seats that the party wins (closed list multi-member districts, open list multi-member districts with little or no de facto change in list order); (1) where parties control access to the ballot, but not the order in which candidates will receive seats (open lists where intra-party preference votes seem to have a significant influence on which candidates are selected, and single-member districts where parties control access to the list); (2) where there are few or no impediments to individual candidates’ ability to appear on the ballot (single-member districts where parties do not control access, e.g. allowing independent candidates and/or use primaries to select candidates).

4.53.2 jw_avgpool Sharing of Votes among Candidates (lower/only house)

Country-level weighted averages of Sharing of Votes among Candidates - SMD (lower/only house) (jw_smdpool) and Sharing of Votes among Candidates - MMD (lower/only house) (jw_mmdpool),
where the weights are the percentage of members that originate from each tier. This variable thus reflects the value of the pooling of votes for the average member sitting in the lower house. The Pool variables measure the extent to which votes among candidates from the same party are shared. The variables equal (in order of increasing personal vote incentives): (0) where pooling of votes occurs across all candidates in a party in a district; (1) where pooling of votes occurs across some, but not all, candidates in a party in a district, or, where there is vote pooling across all candidates in a party in a district, but where the average district accounts for 5% or less of a legislature's membership; (2) where no pooling of votes occurs across candidates in a party (including single-member districts).

4.53.3  _jw_avgvote_ Candidate or Party-specific Voting (lower/only house)

Country-level weighted averages of Candidate- or Party-specific Voting - SMD (lower/only house) (_jw_smdvote_) and Candidate- or Party-specific Voting - MMD (lower/only house) (_jw_mmdvote_), where the weights are the percentage of members that originate from each tier. This variable thus reflects the value of votes for the average member sitting in the lower house. The Vote variables focus attention on the distinction between casting votes for either parties or individual candidates. The variables equal (in order of increasing personal vote incentives): (0) where voters have only one vote for a party; (1) where voters can vote for a party or a candidate (as in open lists), where voters have multiple votes for multiple candidates (as in runoff or single-transferable vote systems), or where votes for a party or candidate are observationally equivalent (as in single-member districts); (2) where voters have one vote for an individual candidate.

4.53.4  _jw_bicameral_ Bicameral System

Equals 1 whenever a country has a bicameral legislature.

4.53.5  _jw_domin_ Dominant or Populous Tier

This variable ranks countries in increasing order of incentives to cultivate a personal vote according to their most dominant or populous tier (or tier with the greater number of legislators). The variable varies from 1 to 13, corresponding to the thirteen positions in Carey & Shugart's (1995) ranking. For
example, a country with a ranking of 1 would have a tier with the lowest possible rank of personal vote incentives, and that tier would account for the majority of the members in the assembly.

4.53.6  jw_election Year of Election (lower/only house)
Dummy variable, 1 if year of election to lower house.

4.53.7  jw_indy Ballot Access for Independent Candidates (lower/only house)
Equals 1 wherever independent candidates are legally allowed (even where the legal requirements are strict), and 0 otherwise. This complements the cases where the ballot variables above equal 1 or 2, since they are adjusted to capture de facto practice. jw_indy instead captures the de jure rules. A user could adjust the ballot variables above to be de jure if (s)he replaced values of 2 with values of 1 when jw_indy = 0. Refers to lower house elections. The ballot variables focus on the amount of party control over candidates’ access to a competitive position on the ballot. The variables equal (in order of increasing personal vote incentives): (0) where parties control access to ballots as well as the order in which individuals will fill the seats that the party wins (closed list multi-member districts, open list multi-member districts with little or no de facto change in list order); (1) where parties control access to the ballot, but not the order in which candidates will receive seats (open lists where intra-party preference votes seem to have a significant influence on which candidates are selected, and single-member districts where parties control access to the list); (2) where there are few or no impediments to individual candidates’ ability to appear on the ballot (single-member districts where parties do not control access, e.g., allowing independent candidates and/or use primaries to select candidates).

4.53.8  jw_legsize Number of Coded Legislators (lower/only house)
The number of legislators coded in the dataset. These may not account for the total number of legislators if there are appointed legislators that have no electoral rules to code.
4.53.9  
**jw_mdist Average District Magnitude (lower/only house)**

This is the standard magnitude of the average district in the lower house. For example: A country with 300 seats divided among one national district with 200 members and 100 single-member districts would have an average district magnitude (jw_mdist) of 2.97 (i.e., 300/101).

4.53.10  
**jw_mmdballot Party Control over Ballot - MMD (lower/only house)**

Ballot (coded as above) for multi-member district tiers in elections to the lower house. The ballot variables focus on the amount of party control over candidates’ access to a competitive position on the ballot. The variables equal (in order of increasing personal vote incentives): (0) where parties control access to ballots as well as the order in which individuals will fill the seats that the party wins (closed list multi-member districts, open list multi-member districts with little or no de facto change in list order); (1) where parties control access to the ballot, but not the order in which candidates will receive seats (open lists where intra-party preference votes seem to have a significant influence on which candidates are selected, and single-member districts where parties control access to the list); (2) where there are few or no impediments to individual candidates’ ability to appear on the ballot (single-member districts where parties do not control access, e.g., allowing independent candidates and/or use primaries to select candidates).

4.53.11  
**jw_mmdpool Sharing of Votes among Candidates - MMD (lower/only house)**

Pool for multi-member district tiers in elections to the lower house. The Pool variables measure the extent to which votes among candidates from the same party are shared. The variables equal (in order of increasing personal vote incentives): (0) where pooling of votes occurs across all candidates in a party in a district; (1) where pooling of votes occurs across some, but not all, candidates in a party in a district, or, where there is vote pooling across all candidates in a party in a district, but where the average district accounts for 5% or less of a legislature’s membership; (2) where no pooling of votes occurs across candidates in a party (including single-member districts).
4.53.12  jw_mmdvote Candidate or Party-specific Voting - MMD (lower/only house)
Vote for multi-member district tiers in elections to the lower house. The Vote variables focus attention on the distinction between casting votes for either parties or individual candidates. The variables equal (in order of increasing personal vote incentives): (0) where voters have only one vote for a party; (1) where voters can vote for a party or a candidate (as in open lists), where voters have multiple votes for multiple candidates (as in run-off or single-transferable vote systems), or where votes for a party or candidate are observationally equivalent (as in single-member districts); (2) where voters have one vote for an individual candidate.

4.53.13  jw_multiround Runoff Elections
The variable indicates whether there are run-off elections. These are usually for SMDs with absolute majority requirements. Where jw_multiround is equal to 1, voters have more than a single vote to cast, albeit votes occur on separate election days.

4.53.14  jw_multitier Multi Tier (lower/only house)
Indicates whether there are two or more tiers to the legislature.

4.53.15  jw_oneparty Single Party System
Dummy variable, 1 if single-party system.
4.53.16  jw_persr Personalistic Tier

This variable ranks countries in increasing order of incentives to cultivate a personal vote according to their more personalistic tier (or tier with the greater incentives to cultivate a personal vote). The variable varies from 1 to 13, corresponding to the thirteen positions in Carey & Shugart’s (1995) ranking. For example, a country with a ranking of 13 would have a tier with the highest possible rank of incentives to cultivate a personal vote, although that tier may only account for a minority or small fraction of its members.

4.53.17  jw_propcoded Proportion Coded Legislators (lower/only house)

Shows the proportion of total legislators (elected and non-elected) that are included in the database (i.e. those that are elected).

4.53.18  jw_propmmd Seats from Multi-Member Districts (lower/only house)

Proportion of seats from Multi-Member District (lower/only house).

4.53.19  jw_propn Seats from a National District (lower/only house)

The proportion of legislators that are elected via a national tier.
4.53.20  jw_propsmd Seats from Single-Member Districts (lower/only house)
Proportion of seats from Single-Member Districts.

4.53.21  jw_rank Rank Vote (lower/only house)
Equals 1 in two circumstances: where voters may rank order candidates according to preference, or
where citizens have multiple preference votes for multiple candidates, even if they may not specifically
rank the candidates. Otherwise, jw_rank is equal to zero. Refers to lower house elections.

4.53.22  jw_tiervote Tiervote (lower/only house)
Equals 1 when citizens are given a separate vote for deputies in each legislative tier.

4.54  Aljaz Kunčič
https://sites.google.com/site/aljazkuncic/research
(Kunčič [2014])
(Data downloaded: 2018-07-04)
Institutional Quality Dataset

More than 30 established institutional indicators can be clustered into three homogeneous groups of formal institutions: legal, political and economic, which capture to a large extent the complete formal institutional environment of a country. The latent qualities of legal, political and economic institutions for every country in the world and for every year are calculated. On this basis, a legal, political and economic World Institutional Quality Ranking are proposed, through which one can follow whether a country is improving or worsening its relative institutional environment. The calculated latent institutional quality measures can be useful in further panel data applications and add to the usual practice of using simply one or another index of institutional quality to capture the institutional environment.

4.54.1 kun_cluster Cluster memberships based on means

Cluster membership based on means.

4.54.2 kun_ecoabs Absolute economic institutional quality (simple averages)

Absolute economic institutional quality (simple averages).

4.54.3 kun_ecorel Economic institutional quality (relative factor scores)

Economic institutional quality (relative factor scores).

4.54.4 kun_legabs Absolute legal institutional quality (simple averages)

Absolute legal institutional quality (simple averages).
4.54.5  **kun_legrel**  Legal institutional quality (relative factor scores)

Legal institutional quality (relative factor scores).

4.54.6  **kun_polabs**  Absolute political institutional quality (simple averages)

Absolute political institutional quality (simple averages).

4.54.7  **kun_polrel**  Political institutional quality (relative factor scores)

Political institutional quality (relative factor scores).

4.54.8  **kun_wiqreco_all**  Economic World Institutional Quality Ranking (all countries)

Economic World Institutional Quality Ranking (all countries).
4.54.9  **kun_wiqrleg_all Legal World Institutional Quality Ranking (all countries)**

Legal World Institutional Quality Ranking (all countries).

4.54.10  **kun_wiqrpol_all Political World Institutional Quality Ranking (all countries)**

Political World Institutional Quality Ranking (all countries).

4.55  **Maddison Historical Statistics**


(Bolt et al., 2018)

(Data downloaded: 2019-07-08)

**Maddison Project Database 2018**

The Maddison Project Database provides information on comparative economic growth and income levels over the very long run. The 2018 version of this database covers 169 countries and the period up to 2016.

4.55.1  **mad_gdppc Real GDP per Capita**

Real GDP per capita in 2011 US dollars, multiple benchmarks.
National Elections Across Democracy and Autocracy V5

The National Elections across Democracy and Autocracy (NELDA) dataset provides detailed information on all election events from 1945-2015. To be included, elections must be for a national executive figure, such as a president, or for a national legislative body, such as a parliament, legislature, constituent assembly, or other directly elected representative bodies. In order for an election to be included, voters must directly elect the person or persons appearing on the ballot to the national post in question. Voting must also be direct, or “by the people” in the sense that mass voting takes place.

4.56.1 `nedda_fme First Multiparty Election`

This indicates when a country is newly independent is having its first elections, when a country holds the first multiparty elections after a significant period of non-democratic rule, or when a country transitions from single-party elections to multiparty elections. Multiparty means that more than one party is allowed to contest the election, and that at least some of the parties are both nominally and effectively independent of the ruling actors.

4.56.2 `nedda_mbbe Media Bias before Election`

If there were reports by either domestic or outside actors of media bias in favor of the incumbent or ruling party, it is coded as a “Yes”. In cases where the media is totally controlled by the government, and/or no opposition is allowed, the answer is “Yes”. It is possible that the answer is “No” even if the political system is tightly controlled.
4.56.3 nelda_mtop Was More Than One Party Legal

This variable indicates whether multiple political parties were technically legal. The legalization of multiple parties need not necessarily mean the existence of a functioning opposition party, as there may be other non-legal barriers to the development of an opposition party. Similarly, a well organized opposition party may exist but may not be legal.

Min. Year: 2013 Max. Year: 2015
N: 32

Min. Year: 1946 Max. Year: 2015
N: 36 n: 732 N: 10 T: 20

4.56.4 nelda_noe Number of Elections, Total

The number of Elections during the year (counting legislative, executive and constituent assembly elections).

Min. Year: 2013 Max. Year: 2015
N: 32

Min. Year: 1946 Max. Year: 2015
N: 36 n: 732 N: 10 T: 20

4.56.5 nelda_noea Number of Elections, Constituent Assembly

Number of constituent assembly elections during the year.

Min. Year: 2013 Max. Year: 2015
N: 32

Min. Year: 1946 Max. Year: 2015
N: 36 n: 732 N: 10 T: 20

4.56.6 nelda_noee Number of Elections, Executive

Number of executive elections during the year.

Min. Year: 2013 Max. Year: 2015
N: 32

Min. Year: 1946 Max. Year: 2015
N: 36 n: 732 N: 10 T: 20

4.56.7 nelda_noel Number of Elections, Legislative

Number of legislative elections during the year.

221
4.56.8 **nelda_on** Was Opposition Allowed

This variable indicates whether at least one opposition political party existed to contest the election. Some countries have multiple government parties but no opposition political party. An opposition party is one that is not in the government, meaning it is not affiliated with the incumbent party in power.

4.56.9 **nelda_rpa** Riots and Protests after Election

If there are protests and riots after elections, a “Yes” is coded. The riots and protests should at least somewhat be related to the handling or outcome of the election.

4.56.10 **nelda_vco** Violence and Civilian Deaths before Election

If there was any significant violence relating to the elections that resulted in civilian deaths, a “Yes” is coded. These deaths should be at least plausibly related to the election, though sometimes it is difficult to be certain. Deaths related to civil war that are not intended to influence the election, and are not caused by the election, should not be counted.
4.57 Pippa Norris

https://www.pippanorris.com/data

(Norris, 2009)
(Data downloaded: 2019-10-09)

Democracy Time-series Data Release 3.0, January 2009

This dataset is in a country-year case format, suitable for cross-national time-series analysis. It contains data on the social, economic and political characteristics of 191 nations with over 600 variables from 1971 to 2007. In particular, it merges the indicators of democracy by Freedom House, Vanhanen, Polity IV, and Cheibub and Gandhi, selected institutional classifications and also socioeconomic indicators. Note that you should check the original codebook for the definition and measurement of each of the variables. The period for each series also varies. This is the replication dataset used in the book, Driving Democracy.

4.57.1 no_ce Classification of Executives

Classification of Executives:

1. Parliamentary Monarchy
2. Presidential Republic
3. Mixed Executive
4. Monarchy
5. Military State

N: N/A Min. Year: N/A Max. Year: N/A
Min. Year: 1972 Max. Year: 2003
N: 35 n: 942 N: 29 T: 27

4.57.2 no_ef Electoral Family

Electoral Family:

1. Majoritarian
2. Combined (mixed)
3. Proportional
4. No competitive elections

N: N/A Min. Year: N/A Max. Year: N/A
Min. Year: 1972 Max. Year: 2004
N: 36 n: 1048 N: 32 T: 29

4.57.3 no_ufs Unitary or Federal State

Unitary or Federal State:

1. Unitary

223
2. Hybrid unions
3. Federal

4.58 Natural Resource Management Index


(Natural Resource Management Index (NRMI) Data)

The Natural Resource Protection and Child Health Indicators, 2018 Release, is produced in support of the U.S. Millennium Challenge Corporation (MCC) as selection criteria for funding eligibility. The Natural Resource Protection Indicator (NRPI) and Child Health Indicator (CHI) are based on proximity-to-target scores ranging from 0 to 100 (at target). The NRPI covers 234 countries and is calculated based on the weighted average percentage of biomes under protected status. The CHI is a composite index for 199 countries derived from the average of three proximity-to-target scores for access to at least basic water and sanitation, along with child mortality. The 2017 release includes a consistent time series of NRPI scores for 2013-2017 and CHI scores for 2010 to 2017.

4.58.1 nrmi_nrpi Natural Resource Protection Indicator

Natural Resource Protection Indicator assesses whether a country is protecting at least 17% of all of its biomes (e.g. deserts, forests, grasslands, aquatic, and tundra). It is designed to capture the comprehensiveness of a government’s commitment to habitat preservation and biodiversity protection. The World Wildlife Fund provides the underlying biome data, and the United Nations Environment Program World Conservation Monitoring Center provides the underlying data on protected areas.

4.59 Nunn and Puga

http://diegopuga.org/data/rugged/

(Nunn & Puga 2012)

(Data downloaded: 2019-07-01)
Country Ruggedness and Geographical Data (2012)

The dataset of terrain ruggedness and other geographical characteristics of countries was created by Nathan Nunn and Diego Puga for their article 'Ruggedness: The blessing of bad geography in Africa', published in the Review of Economics and Statistics 94(1), February 2012: 20-36.

4.59.1 nunn_desert Percentage desert in 2012

The percentage of the land surface area of each country covered by sandy desert, dunes, rocky or lava flows, was calculated on the basis of the desert layer of the Collins Bartholomew World Premium digital map data (Collins Bartholomew, 2005) and the country boundaries described above. This was initially computed as a cruder measure of soil (in)fertility for an early draft of the paper and is no longer used in the final version. Nunn and Puga have left it in the dataset in case it is of use to other researchers.

4.59.2 nunn_dist_coast Average distance to nearest ice-free coast (1000 km) in 2012

Average distance to nearest ice-free coast (1000 km). To calculate the average distance to the closest ice-free coast in each country, Nunn and Puga first compute the distance to the nearest ice-free coast for every point in the country in equi-rectangular projection with standard parallels at 30 degrees, on the basis of sea and sea ice area features contained in the fifth edition of the Digital Chart of the World (US National Imagery and Mapping Agency, 2000) and the country boundaries described above. Then Nunn and Puga average this distance across all land in each country not covered by inland water features. Units are thousands of kilometres.

4.59.3 nunn_near_coast Percentage within 100 km. of ice-free coast in 2012

Within 100 km of ice-free coast. On the basis of the same data used to calculate the average distance to nearest ice-free coast, Nunn and Puga calculate the percentage of the land surface area of each country that is within 100km of the nearest ice-free coast.
4.59.4  **munn_rugged Ruggedness (Terrain Ruggedness Index, 100 m) in 2012**

This is the Terrain Ruggedness Index originally devised by Riley, DeGloria, and Elliot (1999) to quantify topographic heterogeneity in wildlife habitats providing concealment for preys and lookout posts. The source of elevation data is GTOP 030 (US Geological Survey, 1996), a global elevation data set developed through a collaborative international effort led by staff at the US Geological Survey’s Center for Earth Resources Observation and Science (EROS). Elevations in GTOP 030 are regularly spaced at 30 arc-seconds across the entire surface of the Earth on a map using a geographic projection, so the sea-level surface distance between two adjacent grid points on a meridian is half a nautical mile or, equivalently, 926 metres. After calculating the Terrain Ruggedness Index for each point on the grid, Nunn and Puga average across all grid cells in the country not covered by water to obtain the average terrain ruggedness of the country’s land area. Since the sea-level surface that corresponds to a 30 by 30 arcsecond cell varies in proportion to the cosine of its latitude, when calculating the average terrain ruggedness - or the average of any other variable - for each country, Nunn and Puga assign land to countries - for this and other variables - using digital boundary data based on the fifth edition of the Digital Chart of the World (US National Imagery and Mapping Agency, 2000), which Nunn and Puga have updated to reflect 2000 country boundaries using information from the International Organization for Standardization ISO 3166 Maintenance Agency and other sources. Nunn and Puga exclude areas covered by permanent inland water area features contained in the same edition of the Digital Chart of the World. The units for the terrain ruggedness index correspond to the units used to measure elevation differences. In our calculation, ruggedness is measured in hundreds of metres of elevation difference for grid points 30 arc-seconds (926 metres on the equator or any meridian) apart.

```
Min. Year: 2012 Max. Year: 2012
N: 36
```

4.59.5  **munn_tropical Percentage tropical climate in 2012**

Tropical climate. Using detailed temperature and precipitation data from the Climatic Research Unit of the University of East Anglia and the Global Precipitation Climatology Centre of the German Nunn and Pugaather Service, Kottek, Grieser, Beck, Rudolf, and Rubel (2006) classify each cell on a 30 arc-minute grid covering the entire land area of the Earth into one of 31 climates in the widely-used Köppen-Geiger climate classification. Based on these data and the country boundaries described above, Nunn and Puga calculate the percentage of the land surface area of each country that has any of the four Köppen-Geiger tropical climates.

```
Min. Year: 2012 Max. Year: 2012
N: 36
```

4.60  **OECD**

(Organisation for Economic Co-operation and Development 2019)
Country Statistical Profiles

The Country Statistical Profiles database from the Organisation for Economic Co-operation and Development (OECD) includes a wide range of indicators on economy, education, energy, environment, foreign aid, health, information and communication, labour, migration, R&D, trade and society that better reflect key figures about the member states of the OECD. Historical data refer to the latest eight time periods.

Please note we have selected some of these variables for this version of the QoG Datasets. Find the full list of variables in the source’s website.

4.60.1 oecd_agedpopgeo_g1 Elderly population

Elderly population

N: 36

N: N/A Min. Year: N/A Max. Year: N/A N: N/A T: N/A

4.60.2 oecd_airqtv_t1 CO2 emissions from fuel combustion

CO2 emissions from fuel combustion

N: 36

N: 36 n: 1831 N: 36 T: 51

4.60.3 oecd_bop_t1 Current account balance

Current account balance

N: 36

Min. Year: 1955 Max. Year: 2018
N: 36 n: 922 N: 14 T: 26

4.60.4 oecd_cpi_t1a CPI: all items

Consumer Price Index: all items

227
4.60.5 oecd_cpi_t1b CPI: all items non food non energy
Consumer Price Index: all items non food non energy

N: 36

Min. Year: 1950 Max. Year: 2018
N: 36 n: 1887 N: 27 T: 52

4.60.6 oecd_cpi_t1c CPI: food
Consumer Price Index: food

N: 36

Min. Year: 1950 Max. Year: 2018
N: 36 n: 1471 N: 23 T: 41

4.60.7 oecd_cpi_t1d CPI: energy
Consumer Price Index: energy

N: 36

Min. Year: 1950 Max. Year: 2018
N: 36 n: 1506 N: 22 T: 42

4.60.8 oecd_doctor_g1 Practising physicians
Practising physicians
4.60.9  **oecd_doctor_g3 Medical graduates**

Medical graduates

4.60.10  **oecd_emplage_t1a Employment rates for age group 15-24**

Employment rates for age group 15-24

4.60.11  **oecd_emplage_t1b Employment rates for age group 25-54**

Employment rates for age group 25-54

4.60.12  **oecd_emplage_t1c Employment rates for age group 55-64**

Employment rates for age group 55-64
4.60.13 oecd_emplgnrdr_t1a Employment rates: women

Employment rates: women

4.60.14 oecd_emplgnrdr_t1b Employment rates: men

Employment rates: men

4.60.15 oecd_emplgnrdr_t1c Employment rates: total

Employment rates: total

4.60.16 oecd_evogdp_t1 Real GDP growth

Real GDP growth
4.60.17  oecd_evopop_g1 Population growth rates

Population growth rates

4.60.18  oecd_evopop_t1 Population levels

Population levels

4.60.19  oecd_evova_t1a Real value added: agriculture, fishing, hunting and forestry

Real value added in agriculture, fishing, hunting and forestry

4.60.20  oecd_evova_t1b Real value added: industry including energy

Real value added in industry including energy
4.60.21 oecd_evova_t1c Real value added: construction
Real value added in construction

4.60.22 oecd_evova_t1d Real value added: trade, repairs, transport, accommodation and food serv.
Real value added in distributive trade, repairs, transport, accommodation and food services activities

4.60.23 oecd_evova_t1e Real value added: Information and communication
Real value added in Information and communication

4.60.24 oecd_evova_t1f Real value added: financial and insurance activities
Real value added in financial and insurance activities
4.60.25  oecd_evova_t1g Real value added: real estate activities
Real value added in real estate activities

4.60.26  oecd_evova_t1h Real value added in professional, scientific, technical, administration
Real value added in professional, scientific, technical, administration and support services activities

4.60.27  oecd_evova_t1i Real value added in public administration, defence, education human health
Real value added in public administration, defence, education human health and social work activities

4.60.28  oecd_evova_t1j Real value added in other services activities
Real value added in other services activities
4.60.29  oecd_fdflstk_t1a Outflows of foreign direct investment

Outflows of foreign direct investment

N: 34

Min. Year: 1970 Max. Year: 2018
N: 34 n: 1001 \( \bar{N} \): 20 \( \bar{T} \): 20

4.60.30  oecd_fdflstk_t1b Inflows of foreign direct investment

Inflows of foreign direct investment

N: 34

Min. Year: N/A Max. Year: N/A \( \bar{N} \): N/A \( \bar{T} \): N/A

4.60.31  oecd_fdindex_t1a Total FDI Index

Total FDI Index

N: 36

Min. Year: 1997 Max. Year: 2018
N: 36 n: 429 \( \bar{N} \): 20 \( \bar{T} \): 12

4.60.32  oecd_fdindex_t1b Primary sector

FDI Index: Primary sector
4.60.33  oecd_fdindex_tlc Manufacturing
FDI Index: Manufacturing

4.60.34  oecd_fdindex_tld Electricity
FDI Index: Electricity

4.60.35  oecd_fdindex_tle Distribution
FDI Index: Distribution

4.60.36  oecd_fdindex_tlf Transport
FDI Index: Transport
4.60.37  oecd_fdindex_t1g Media
FDI Index: Media

N: 36

Min. Year: 1997  Max. Year: 2018
N: 36  n: 429  N: 20  T: 12

4.60.38  oecd_fdindex_t1h Communications
FDI Index: Communications

N: 36

Min. Year: 1997  Max. Year: 2018
N: 36  n: 429  N: 20  T: 12

4.60.39  oecd_fdindex_t1i Financial services
FDI Index: Financial services

N: 36

Min. Year: 1997  Max. Year: 2018
N: 36  n: 429  N: 20  T: 12

4.60.40  oecd_fdindex_t1j Business services
FDI Index: Business services

N: 36

Min. Year: 1997  Max. Year: 2018
N: 36  n: 429  N: 20  T: 12
4.60.41 oecd_fdistock_t1a Outward FDI stocks

Outward FDI stocks

![Map of Outward FDI stocks](image)

Min. Year: 2013 Max. Year: 2014
N: 34

N: N/A Min. Year: N/A Max. Year: N/A N: N/A T: N/A

4.60.42 oecd_fdistock_t1b Inward FDI stocks

Inward FDI stocks

![Map of Inward FDI stocks](image)

Min. Year: 2013 Max. Year: 2014
N: 34

N: N/A Min. Year: N/A Max. Year: N/A N: N/A T: N/A

4.60.43 oecd_fertility_t1 Total fertility rates

Total fertility rates

![Chart of Total fertility rates](image)

Min. Year: 2013 Max. Year: 2014
N: 32

Min. Year: 1970 Max. Year: 2013
N: 34 n: 434 N: 10 T: 13

4.60.44 oecd_gengovdistri_t1a Structure of central govt. expenditures, general public serv.

Structure of central government expenditures, general public services

![Chart of Structure of central government expenditures, general public services](image)

N: 31

Min. Year: 2007 Max. Year: 2017
N: 31 n: 308 N: 28 T: 10

4.60.45 oecd_gengovdistri_t1b Structure of central govt. expenditures, defence

Structure of central government expenditures, defence

![Chart of Structure of central government expenditures, defence](image)
4.60.46  oecd_gengovdistri_t1c Structure of central gov. expenditures, public order & safety
Structure of central government expenditures, public order and safety

4.60.47  oecd_gengovdistri_t1d Structure of central gov. expenditures, economic affairs
Structure of central government expenditures, economic affairs

4.60.48  oecd_gengovdistri_t1e Structure of central gov. expenditures, environmental protection
Structure of central government expenditures, environmental protection

4.60.49  oecd_gengovdistri_t1f Structure of central gov. expenditures, housing & community
Structure of central government expenditures, housing and community amenities
4.60.50  oecd_gengovdistri_t1g Structure of central gov. expenditures, health
Structure of central government expenditures, health

4.60.51  oecd_gengovdistri_t1h Structure of central gov. expenditures, recreation, culture & relig.
Structure of central government expenditures, recreation, culture and religion

4.60.52  oecd_gengovdistri_t1i Structure of central gov. expenditures, education
Structure of central government expenditures, education

4.60.53  oecd_gengovdistri_t1j Structure of central gov. expenditures, social protection
Structure of central government expenditures, social protection
4.60.54 oecd_gengovexpend_t1a General government revenues per capita

General government revenues per capita

4.60.55 oecd_gengovexpend_t1b General government expenditures per capita

General government expenditures per capita

4.60.56 oecd_gengovprod_t1a Production costs for general gov. compensation of employees

Production costs for general government, compensation of employees

4.60.57 oecd_gengovprod_t1b Production costs for general gov. costs of goods and services

Production costs for general government, costs of goods and services used and financed by general government
4.60.58 oecd_gengovprod_t1c Production costs for general gov. Other production costs

Production costs for general government. Other production costs

4.60.59 oecd_gengovprod_t1d Production costs for general gov. total

Production costs for general government, total

4.60.60 oecd_gerd_t1 Gross domestic expenditure on R&D

Gross domestic expenditure on R&D

4.60.61 oecd_govdebt_t1 Adjusted general government debt-to-GDP (excl. unfunded pension liability)

Adjusted general government debt-to-GDP (excluding unfunded pension liabilities)
4.60.62 ecd_govdebt_t2 Adjusted general government debt-to-GDP (incl. unfunded pension liability)

Adjusted general government debt-to-GDP (including unfunded pension liabilities)

4.60.63 ecd_govdefct_t1 General government net lending

General government net lending

4.60.64 ecd_govdefct_t2 General government revenues

General government revenues

4.60.65 ecd_govdefct_t3 General government expenditures

General government expenditures
4.60.66 oecd_greenhouse_t1 Greenhouse gas emissions

Greenhouse gas emissions

4.60.67 oecd_hourswkd_t1 Average hours actually worked

Average hours actually worked

4.60.68 oecd_housdebt_t1 Households debt

Households debt

4.60.69 oecd_housinc_t1 Real household disposable income

Real household disposable income
4.60.70  oecd_houssave_t1 Household net saving rates
Household net saving rates

N: 33

N: 33

N: 823
T: 25

4.60.71  oecd_houswealth_t1a Financial asset of households: Currency and deposits
Financial asset of households: Currency and deposits

Min. Year: 1995 Max. Year: 2018
N: 35
n: 720
N: 30
T: 21

N: 35

N: 729
T: 21

4.60.72  oecd_houswealth_t1b Financial asset of households: Debt securities
Financial asset of households: Debt securities

Min. Year: 1995 Max. Year: 2018
N: 35
n: 720
N: 30
T: 21

N: 35

N: 729
T: 21

4.60.73  oecd_houswealth_t1c Financial asset of households: equity
Financial asset of households: equity

Min. Year: 1970 Max. Year: 2018
N: 33
n: 806
N: 16
T: 24

N: 33

N: 823
T: 25
4.60.74  oecd_houselwealth_t1d Financial asset of households: investment funds shares
Financial asset of households: investment funds shares

4.60.75  oecd_houselwealth_t1e Financial asset of households: Life insurance and annuities
Financial asset of households: Life insurance and annuities

4.60.76  oecd_houselwealth_t1f Financial asset of households: Pension funds
Financial asset of households: Pension funds

4.60.77  oecd_incinequal_t1a Income inequality: Gini (at disposable income post taxes & transfers)
Income inequality: Gini (at disposable income, post taxes and transfers)
4.60.78 oecd_incinequal_t1d Income inequality: S80/S20 disposable income quintile share

Income inequality: S80/S20 disposable income quintile share

4.60.79 oecd_incinequal_t1e Income inequality: P90/P10 disposable income decile ratio

Income inequality: P90/P10 disposable income decile ratio

4.60.80 oecd_incinequal_t1f Income inequality: P90/P50 disposable income decile ratio

Income inequality: P90/P50 disposable income decile ratio

4.60.81 oecd_incinequal_t1g Income inequality: P50/P10 disposable income decile ratio

Income inequality: P50/P10 disposable income decile ratio
4.60.82 oecd_incompoverty_t1a Relative poverty rates: Entire population
Relative poverty rates: Entire population

N: 36

N: 36

4.60.83 oecd_incompoverty_t1b Relative poverty rates: Children (age 0-17)
Relative poverty rates: Children (age 0-17)

N: 36

N: 36

4.60.84 oecd_incompoverty_t1c Relative poverty rates: Working-age population (age 18-65)
Relative poverty rates: Working-age population (age 18-65)

N: 36

N: 36

4.60.85 oecd_incompoverty_t1d Relative poverty rates: Retirement-age population (over 65)
Relative poverty rates: Retirement-age population (over 65)

N: 36

N: 36

N: 36
N: N/A
Min. Year: N/A Max. Year: N/A
N: N/A
T: N/A

Variable not included in Time-Series Data
4.60.86  oecd_infmory_g1 Infant mortality
Infant mortality

N: 36

N: 35

Min. Year: 1960  Max. Year: 2013
N: 34  N: 1714  T: 50

4.60.87  oecd_intlcomp_t1 Real effective exchange rates
Real effective exchange rates

N: 35

Min. Year: 1970  Max. Year: 2018
N: 35  N: 1463  N: 30  T: 42

4.60.88  oecd_invrates_t1 Gross fixed capital formation
Gross fixed capital formation

N: 36

Min. Year: 1951  Max. Year: 2018
N: 36  N: 1586  N: 23  T: 44

4.60.89  oecd_lifeexpy_g1 Life expectancy at birth: total
Life expectancy at birth: total
4.60.90  oecd_lifeexpy_g2a Life expectancy at birth: women

Life expectancy at birth: women

4.60.91  oecd_lifeexpy_g2b Life expectancy at birth: men

Life expectancy at birth: men

4.60.92  oecd_lfintrst_t1 Long-term interest rates

Long-term interest rates

4.60.93  oecd_lfunemp_t1 Long-term unemployment

Long-term unemployment
4.60.94 oecd_mertrade_t1 Trade balance of goods

Trade balance of goods

N: 35

Min. Year: 1968 Max. Year: 2017
N: 35 n: 1086 N: 22 T: 31

4.60.95 oecd_mertrade_t2 Imports of goods

Imports of goods

N: 34

Min. Year: N/A Max. Year: N/A N: N/A
T: N/A

4.60.96 oecd_mertrade_t3 Exports of goods

Exports of goods

N: 34

Min. Year: N/A Max. Year: N/A N: N/A
T: N/A

4.60.97 oecd_migeduemp_t1a Employment rates of native-born pop. by educational attainment: low

Employment rates of native-born population by educational attainment: low
4.60.98  oecd_migeduemp_t1b Employment rates of native-born pop. by educational attainment: High

Employment rates of native-born population by educational attainment: High

4.60.99  oecd_migeduemp_t1c Employment rates of native-born pop. by educational attainment: Total

Employment rates of native-born population by educational attainment: Total

4.60.100  oecd_migeduemp_t1d Employment rates of foreign-born pop. by educational attainment: low

Employment rates of foreign-born population by educational attainment: low

4.60.101  oecd_migeduemp_t1e Employment rates of foreign-born pop. by educational attainment: High

Employment rates of foreign-born population by educational attainment: High
4.60.102  oecd_migedem_t1f  Employment rates of foreign-born pop. by educational attainment: Total

Employment rates of foreign-born population by educational attainment: Total

4.60.103  oecd_migforpop_t1a  Foreign-born population

Foreign-born population

4.60.104  oecd_migunemp_t1a  Unemployment rates of native-born populations: Men

Unemployment rates of native-born populations: Men

4.60.105  oecd_migunemp_t1b  Unemployment rates of foreign-born populations: Men

Unemployment rates of foreign-born populations: Men
4.60.106  oecd_migunemp_t1c Unemployment rates of native-born populations: Women

Min. Year: 2014  Max. Year: 2014  N: 30  N: N/A  Min. Year: N/A  Max. Year: N/A  N: N/A  T: N/A

4.60.107  oecd_migunemp_t1d Unemployment rates of foreign-born populations: Women

Min. Year: 2014  Max. Year: 2014  N: 30  N: N/A  Min. Year: N/A  Max. Year: N/A  N: N/A  T: N/A

4.60.108  oecd_migunemp_t1e Unemployment rates of native-born populations: Total

Min. Year: 2014  Max. Year: 2014  N: 30  N: N/A  Min. Year: N/A  Max. Year: N/A  N: N/A  T: N/A

4.60.109  oecd_migunemp_t1f Unemployment rates of foreign-born populations: Total

Min. Year: 2014  Max. Year: 2014  N: 30  N: N/A  Min. Year: N/A  Max. Year: N/A  N: N/A  T: N/A
4.60.110 oecd_natinccap_t1 Gross national income per capita
Gross national income per capita

4.60.111 oecd_nuclearnrj_t1a Nuclear electricity generation Terawatt hours
Nuclear electricity generation, terawatt hours

4.60.112 oecd_nuclearnrj_t1b Nuclear electricity generation. % of total electricity generation
Nuclear electricity generation, as a percentage of total electricity generation.

4.60.113 oecd_nuclearnrj_t1c Nuclear power plants connected to the grid
Nuclear power plants connected to the grid
4.60.114  oecd_nuclermrj_t1d Nuclear power plants under construction
Nuclear power plants under construction

4.60.115  oecd_nurse_g1 Practising nurses
Practising nurses

4.60.116  oecd_nurse_g3 Nursing graduates
Nursing graduates

4.60.117  oecd_oilprod_t1 Production of crude oil
Production of crude oil
4.60.118  oecd_patents_t1 Triadic patent families

Triadic patent families

4.60.119  oecd_pension_t1b Private pension expenditure

Private pension expenditure

4.60.120  oecd_popgeo_g1 Share of national pop. in the 10% of regions with the largest population

Share of national population in the ten percent of regions with the largest population

4.60.121  oecd_popgeo_g2a Percentage of urban population by city size: Small urban areas

Percentage of urban population by city size: Small urban areas
4.60.122  oecd_popgeo_g2b  Percentage of urban population by city size: Medium-sized urban areas

Percentage of urban population by city size: Medium-sized urban areas

4.60.123  oecd_popgeo_g2c  Percentage of urban population by city size: Metropolitan areas

Percentage of urban population by city size: Metropolitan areas

4.60.124  oecd_popgeo_g3a  Distribution of the national population into urban regions

Distribution of the national population into urban regions

4.60.125  oecd_popgeo_g3b  Distribution of the national population into intermediate regions

Distribution of the national population into intermediate regions
4.60.126  oecd_popgeo_g3c Distribution of the national population into rural regions
Distribution of the national population into rural regions

4.60.127  oecd_popgeo_g4a Distribution of the national area into urban regions
Distribution of the national area into urban regions

4.60.128  oecd_popgeo_g4b Distribution of the national area into intermediate regions
Distribution of the national area into intermediate regions

4.60.129  oecd_popgeo_g4c Distribution of the national area into rural regions
Distribution of the national area into rural regions
4.60.130  oecd_pphlthxp_t1c Total expenditure on health

Total expenditure on health

4.60.131  oecd_prodincom_g1 GDP per hour worked

GDP per hour worked

4.60.132  oecd_prodincom_g2a Levels of GDP per capita & labour productivity (% gap in USD)

Levels of GDP per capita and labour productivity - Percentage gap with respect to US GDP per capita

4.60.133  oecd_prodincom_g2b Levels of GDP per capita & labour productivity (Effect of labour util.)

Levels of GDP per capita and labour productivity - Effect of labour utilisation
4.60.134 **oecd_prodincom_g2c** Levels of GDP per capita & labour productivity (GDP/hour worked)

Levels of GDP per capita and labour productivity - Percentage gap with respect to US GDP per hour worked

4.60.135 **oecd_ptempl_t1** Incidence of part-time employment

Incidence of part-time employment

4.60.136 **oecd_rdddeath_t1** Road fatalities

Road fatalities. Deaths, Per 1 000 000 inhabitants, 1994 - 2016 Source: ITF Transport Statistics: Road accidents

4.60.137 **oecd_regdisplabour_g1a** Differences in annual employment growth across regions: Maximum

Differences in annual employment growth across regions: Maximum
4.60.138 oecd_regdisplabour_glb Differences in annual employment growth across regions: Minimum

Differences in annual employment growth across regions: Minimum

4.60.139 oecd_regdisplabour_glc Differences in annual employment growth across regions: Average

Differences in annual employment growth across regions: Average

4.60.140 oecd_regdisplabour_g3a Regional difference in the employment rate of women: Maximum

Regional difference in the employment rate of women: Maximum

4.60.141 oecd_regdisplabour_g3b Regional difference in the employment rate of women: Minimum

Regional difference in the employment rate of women: Minimum
4.60.142  oecd_regdislabour_g3c Regional difference in the employment rate of women: Average

N: 33

4.60.143  oecd_regdispunemp_g1 Gini index of regional unemployment rates

N: 33

4.60.144  oecd_regdispunemp_g2a Regional variation of the youth unemployment rate: maximum

N: 32

4.60.145  oecd_regdispunemp_g2b Regional variation of the youth unemployment rate: minimum

N: 33
4.60.146  oecd_research_t1 Researchers

Researchers. Total, Per 1,000 employed, 2000 - 2016 Source: OECD Science, Technology and R&D Statistics: Main Science and Technology Indicators

4.60.147  oecd_rnewable_t1 Contribution of renewables to energy supply

Contribution of renewables to energy supply

4.60.148  oecd_rtsconv_t1a Purchasing power parities

Purchasing power parities

4.60.149  oecd_rtsconv_t1b Indices of price levels

Indices of price levels
4.60.150 oecd_selfempl_t1a Self-employment rates: women
Self-employment rates: women

4.60.151 oecd_selfempl_t1b Self-employment rates: men
Self-employment rates: men

4.60.152 oecd_selfempl_t1c Self-employment rates: total
Self-employment rates: total

4.60.153 oecd_sizegdp_t1 GDP per capita
GDP per capita
4.60.154  oecd_smoke_g1 Adult population smoking daily

Adult population smoking daily

4.60.155  oecd_socexcl_t1a Youths who are not in education or in employment (15-19)

Youths who are not in education or in employment (15-19)

4.60.156  oecd_socexcl_t1b Youths who are not in education or in employment (20-24)

Youths who are not in education or in employment (20-24)

4.60.157  oecd_socexpnd_t1a Public social expenditure

Public social expenditure
### 4.60.158 oecd_socexpnd_t1b Private social expenditure

Private social expenditure

### 4.60.159 oecd_socexpnd_t1c Net social expenditure

Net social expenditure

### 4.60.160 oecd_so_xno_t1a Sulphur Oxides Emissions

Sulphur Oxides Emissions

### 4.60.161 oecd_so_xno_t1b Nitrogen Oxides Emissions

Nitrogen Oxides Emissions
4.60.162 oecd_svctrade_t1 Trade balance of services
Trade balance of services

4.60.163 oecd_svctrade_t2 Imports of services
Imports of services

4.60.164 oecd_svctrade_t3 Exports of services
Exports of services

4.60.165 oecd_taxapw_t1 Taxes on the average worker
Taxes on the average worker
4.60.166  oecd_teachers_t1b Teachers’ starting salary

Teachers’ starting salary

4.60.167  oecd_teachers_t1c Teachers’ salary after 10 years of experience

Teachers’ salary after 10 years of experience

4.60.168  oecd_teachers_t1d Teachers’ salary after 15 years of experience

Teachers’ salary after 15 years of experience

4.60.169  oecd_teachers_t1e Teachers’ salary at top of scale

Teachers’ salary at top of scale
4.60.170  oecd_tertiary_t1a Population aged 25-34 below upper secondary
Population aged 25-34 below upper secondary

4.60.171  oecd_tertiary_t1b Population aged 25-34 below upper secondary
Population aged 25-34 below upper secondary

4.60.172  oecd_tertiary_t1c Population aged 25-34 in upper secondary or post-secondary non-tertiary
Population aged 25-34 in upper secondary or post-secondary non-tertiary

4.60.173  oecd_tertiary_t1d Population aged 25-64 below upper secondary
Population aged 25-64 below upper secondary
4.60.174  oecd_tertiary_t1  Population aged 25-64 below upper secondary

Population aged 25-64 below upper secondary

N: 33

4.60.175  oecd_tertiary_t1f  Population aged 25-64 in upper secondary or post-secondary non-tertiary

Population aged 25-64 in upper secondary or post-secondary non-tertiary

N: 33

4.60.176  oecd_totaltax_t1  Total tax revenue

Total tax revenue

N: 36

Min. Year: 1965  Max. Year: 2017
N: 36  n: 1561  N: 29  T: 43

4.60.177  oecdtps_t1  Total primary energy supply per unit of GDP

Total primary energy supply per unit of GDP

N: N/A  Min. Year: N/A  Max. Year: N/A  N: N/A  T: N/A
4.60.178 oecd_tradegdp_t1a International imports in goods and services
International imports in goods and services

N: 36

4.60.179 oecd_tradegdp_t1b International exports in goods and services
International exports in goods and services

N: 36

4.60.180 oecd_transpgood_t1 Inland goods transport
Inland goods transport

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A

4.60.181 oecd_unemplrt_t1a Unemployment rates: women
Unemployment rates: women

Min. Year: 2002 Max. Year: 2014
N: 32 n: 397 N: 31 T: 12
4.60.182  oecd_unemplrt_t1b Unemployment rates: men

Unemployment rates: men

4.60.183  oecd_unemplrt_t1c Unemployment rates: total

Unemployment rates: total

4.60.184  oecd_valaddac_t1a Value added: agriculture, hunting, fishing and forestry

Value added in agriculture, hunting, fishing and forestry

4.60.185  oecd_valaddac_t1b Value added: industry including energy

Value added in industry including energy
4.60.186 oecd_valaddac_t1c Value added: construction
Value added in construction

4.60.187 oecd_valaddac_t1d Value added: trade, repairs, transport, accommodation and food services
Value added in distributive trade, repairs, transport and accommodation and food services activities

4.60.188 oecd_valaddac_t1e Value added: Information and communication
Value added in Information and communication

4.60.189 oecd_valaddac_t1f Value added: financial and insurance activities
Value added in financial and insurance activities
4.60.190  oecd_valaddac_t1g Value added: real estate activities
Value added in real estate activities

4.60.191  oecd_valaddac_t1h Value added in professional, scientific, technical, administration
Value added in professional, scientific, technical, administration and support services activities

4.60.192  oecd_valaddac_t1i Value added in public administration, defence, education human health
Value added in public administration, defence, education human health and social work activities

4.60.193  oecd_valaddac_t1j Value added in other services activities
Value added in other services activities
4.60.194 oecd_waste_t1a Generation intensities of municipal waste
Generation intensities of municipal waste

4.60.195 oecd_waste_t1b Total amount generated of municipal waste
Total amount generated of municipal waste

4.60.196 oecd_water_t1a Water abstractions per capita
Water abstractions per capita

4.60.197 oecd_water_t1b Total abstractions of water
Total abstractions of water
4.60.198  oecd_welecgen_t1 Electricity generation

Electricity generation

N: 36

Min. Year: 1960 Max. Year: 2017
N: 36 n: 1862 N: 32 T: 52

4.60.199  oecd_wenergys_t1 Total primary energy supply

Total primary energy supply

N: 36

Min. Year: 1960 Max. Year: 2017
N: 36 n: 1862 N: 32 T: 52

4.61  The Ocean Health Index

http://www.oceanhealthindex.org

[Halpern et al., 2012] [Halpern et al., 2018]
(Data downloaded: 2019-10-08)

The Ocean Health Index Data

The Ocean Health Index is a valuable tool for the ongoing assessment of ocean health. By providing a means to advance comprehensive ocean policy and compare future progress, the Index can inform decisions about how to use or protect marine ecosystems. The Index is a collaborative effort, made possible through contributions from more than 65 scientists/ocean experts and partnerships between organizations including the National Center for Ecological Analysis and Synthesis, Sea Around Us, Conservation International, National Geographic, and the New England Aquarium. The Index assesses the ocean based on 10 widely-held public goals for a healthy ocean. They are: Food Provision, Artisanal Fishing Opportunities, Natural Products, Carbon Storage, Coastal Protection, Sense of Place, Coastal Livelihoods & Economies, Tourism & Recreation, Clean Waters, Biodiversity.

4.61.1  ohi_ohi The Ocean Health Index

The Ocean Health Index establishes reference points for achieving ten widely accepted socio-ecological objectives, and scores the oceans adjacent to 171 countries and territories on how successfully they
deliver these goals. Evaluated globally and by country, these ten public goals represent the wide range of benefits that a healthy ocean can provide; each country’s overall score is the average of its respective goal scores. The ten socio-ecological objectives are: Food Provision, Artisanal Fishing Opportunities, Natural Products, Carbon Storage, Coastal Protection, Coastal Livelihoods & Economies, Tourism & Recreation, Sense of Place, Clean Waters, Biodiversity.

4.62 Marshall and Jaggers

http://www.systemicpeace.org/inscrdata.html

(Data downloaded: 2019-06-18)

Polity IV Annual Time-Series, 1800-2017

The Polity project is one of the most widely used data resource for studying regime change and the effects of regime authority. Polity IV Project, Political Regime Characteristics and Transitions, 1800-2017, annual, cross-national, time-series and polity-case formats coding democratic and autocratic “patterns of authority” and regime changes in all independent countries with total population greater than 500,000 in 2017. Please note that the codes -99, -88, -77 and -66 has been recoded to missing.

4.62.1 p_durable Regime Durability

Regime Durability: The number of years since the most recent regime change (defined by a three point change in the p_polit score over a period of three years or less) or the end of a transition period defined by the lack of stable political institutions (denoted by a standardized authority score). In calculating the p_durable value, the first year during which a new (post-change) polity is established is coded as the baseline “year zero” (value = 0) and each subsequent year adds one to the value of the p_durable variable consecutively until a new regime change or transition period occurs.

4.62.2 p_polit2 Revised Combined Polity Score

Revised Combined Polity Score: The polity score is computed by subtracting the p_autoc score from the p_democ score: the resulting unified polity scale ranges from +10 (strongly democratic) to -10 (strongly autocratic). The revised version of the polity variable is designed to facilitate the use of the polity regime measure in time-series analyses. It modifies the combined annual polity score by applying a simple treatment, or “fix” to convert instances of “standardized authority scores” (i.e., -66, -77, and -88) to conventional polity scores (i.e., within the range, -10 to +10). The values have been converted according to the following rule set:
Cases of foreign “interruption” are treated as “system missing.”

Cases of “interregnum,” or anarchy, are converted to a “neutral” Polity score of “0.”

Cases of “transition” are prorated across the span of the transition.

For example, country X has a p_polity score of -7 in 1957, followed by three years of -88 and, finally, a score of +5 in 1961. The change (+12) would be prorated over the intervening three years at a rate of per year, so that the converted scores would be as follow: 1957 -7; 1958 -4; 1959 -1; 1960 +2; and 1961 +5.

4.63 Norris and Groemping

https://dataverse.harvard.edu/dataverse/PEI
(Norris & Groemping, 2019)
(Data downloaded: 2019-07-08)

Electoral Integrity Project (Version 7.0)

This dataset by the Electoral Integrity Project evaluates the quality of elections held around the world. Based on a rolling survey collecting the views of election experts, this research provides independent and reliable evidence to compare whether countries meet international standards of electoral integrity. PEI-7.0 cumulative release covers 336 national parliamentary and presidential contests held worldwide in 166 countries from 1 July 2012 to 31 December 2018.

4.63.1 pei_eir Electoral Integrity Rating

Overall how would you rate the integrity of this election on a scale from 1 (very poor) to 10 (very good)?

4.63.2 pei_eirhci Electoral Integrity Rating, Higher C.I.

The higher bound of the 95% confidence interval for either the election or the country level.
4.63.3  **pei_eircl** Electoral Integrity Rating, Lower C.I.

The lower bound of the 95% confidence interval for either the election or the country level.

4.63.4  **pei_off** Elected Office

What government body was this election for?

0. Legislative  
1. Presidential  
2. Both

4.63.5  **pei_peii** Perception of Electoral Integrity Index

The PEI index is designed to provide an overall summary evaluation of expert perceptions that an election meets international standards and global norms. It is generated at the individual level using experts’ answers to the 49 substantive variables below. Therefore, an Index score is missing if an expert does not answer a question. The 49 scores are summed and then standardized to a 100 point scale.
4.63.6 pei_peit Perception of Electoral Integrity Index Type

Classification of the PEI Index on five categories.

1. Very Low
2. Low
3. Moderate
4. High
5. Very High

4.64 Feenstra, Inklaar and Timmer

http://www.rug.nl/ggdc/productivity/pwt/

Feenstra et al. 2015

(Data downloaded: 2020-01-20)

Penn World Table

PWT version 9.1 is a database with information on relative levels of income, output, input and productivity, covering 182 countries between 1950 and 2017. In Penn World Table the users are offered two different series of data for China. "China Version 1" uses the official growth rates for the whole period. "China Version 2" uses the recent modifications of official Chinese growth rates. We have chosen to include China Version 1.

4.64.1 pwt_cs Capital services at constant 2011 national prices (2011=1)

Capital services at constant 2011 national prices (2011=1).

4.64.2 pwt_csppp Capital services levels at current PPPs (USA=1)

Capital services levels at current PPPs (USA = 1).
4.64.3 \textit{pwt\_gc} Share of government consumption at current PPPs

Share of government consumption at current PPPs.

4.64.4 \textit{pwt\_hci} Human capital index, see note hc

Human capital index, based on years of schooling (Barro & Lee, 2010) and assumed returns, based on Mincer equation estimates around the world.

4.64.5 \textit{pwt\_me} Share of merchandise exports at current PPPs

Share of merchandise exports at current PPPs.

4.64.6 \textit{pwt\_mi} Share of merchandise imports at current PPPs

Share of merchandise imports at current PPPs.
4.64.7 pwt_plcf Price level of capital formation, price level of USA GDP in 2011=1
Price level of capital formation, price level of USA GDP in 2011=1

4.64.8 pwt_plcs Price level of the capital services, price level of USA=1
Price level of the capital stock, price level of USA 2011 = 1.

4.64.9 pwt_ple Price level of exports, price level of USA GDP in 2011=1
Price level of exports, price level of USA GDP in 2011=1

4.64.10 pwt_plgc Price level of government consumption, price level of USA GDP in 2011=1
Price level of government consumption, price level of USA GDP in 2011=1
4.64.11  pwt_plhc Price level of household consumption, price level of USA GDP in 2011=1

Price level of household consumption, price level of USA GDP in 2011=1

4.64.12  pwt_pli Price level of imports, price level of USA GDP in 2011=1

Price level of imports, price level of USA GDP in 2011=1

4.64.13  pwt_pop Population (in millions)

Population (in millions).

4.64.14  pwt_rgdp Real GDP at constant 2011 national prices (in mil. 2011US dollar)

4.64.15 pwt_rt Share of residual trade and GDP statistical discrepancy at current PPPs

Share of residual trade and GDP statistical discrepancy at current PPPs.

4.64.16 pwt_sgcf Share of gross capital formation at current PPPs

Share of gross capital formation at current PPPs.

4.64.17 pwt_shhc Share of household consumption at current PPPs

Share of household consumption at current PPPs.

4.64.18 pwt_slgdp Share of labour compensation in GDP at current national prices

Share of labour compensation in GDP at current national prices.
4.64.19 **pwt\_tfp** Total Factor Productivity (TFP) at constant national prices (2011=1).

4.64.20 **pwt\_tfpppp** Total Factor Productivity (TFP) level at current PPPs (USA=1).

4.64.21 **pwt\_xr** Exchange rate, national currency/USD (market+estimated).

4.65 **Dahlstrom, Teorell, Dahlberg, Hartmann, Lindberg and Nistotskaya**

http://www.qog.pol.gu.se/data/datadownloads/qogexpertsurveydata/

[Dahlstrom et al. 2015](http://www.qog.pol.gu.se/data/datadownloads/qogexpertsurveydata/)

(Data downloaded: 2019-07-01)
The QoG Expert Survey (2014 wave)

The QoG Survey is a data set on the structure and behavior of public administration, based on a web survey. The dataset covers key dimensions of quality of government, such as politicization, professionalization, openness, and impartiality.

Included in the QoG dataset are three indexes, each based on a group of questions from the survey. When constructing the indexes authors excluded countries with less than three responding experts.

The confidence interval variables give the higher and lower limits of the 95% confidence interval.

4.65.1 qs_impar Impartial Public Administration

Impartial Public Administration: The index measures to what extent government institutions exercise their power impartially. The impartiality norm is defined as: “When implementing laws and policies, government officials shall not take into consideration anything about the citizen/case that is not beforehand stipulated in the policy or the law”.

The index is constructed by adding each measure weighted by the factor loading obtained from a principle components factor analysis. Missing values on one or more of the questions have been imputed on the individual expert level. After that, aggregation to the country level has been made (mean value of all experts per country).

4.65.2 qs_impar_cih Impartial Public Administration - Confidence Interval (High)

Impartial Public Administration Confidence Interval (High).

4.65.3 qs_impar_cil Impartial Public Administration - Confidence Interval (Low)

Impartial Public Administration Confidence Interval (Low).
4.65.4  *qs_proff* Professional Public Administration

Professional Public Administration: The index measures to what extent the public administration is professional rather than politicized. Higher values indicate a more professionalized public administration. It is based on four questions from the survey.

The index is constructed by first taking the mean for each responding expert of the four questions above. The value for each country is then calculated as the mean of all the experts' means. (If one or more answers are missing, these questions are ignored when calculating the mean value for each expert. The scales of the second and third questions are reversed so that higher values indicate more professionalism).

<table>
<thead>
<tr>
<th>Min. Year</th>
<th>Max. Year</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>2014</td>
<td>35</td>
</tr>
</tbody>
</table>

4.65.5  *qs_proff_cih* Professional Public Administration - Confidence Interval (High)

Professional Public Administration Confidence Interval (High).

<table>
<thead>
<tr>
<th>Min. Year</th>
<th>Max. Year</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>2014</td>
<td>35</td>
</tr>
</tbody>
</table>

4.65.6  *qs_proff_cil* Professional Public Administration - Confidence Interval (Low)

Professional Public Administration Confidence Interval (Low).

<table>
<thead>
<tr>
<th>Min. Year</th>
<th>Max. Year</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>2014</td>
<td>35</td>
</tr>
</tbody>
</table>

4.66  Philip G. Roeder

http://weber.ucsd.edu/~proeder/elf.htm
(Roeder 2001)
(Data downloaded: 2018-09-07)

*Ethnolinguistic Fractionalization (ELF) Indices, 1961 and 1985*

Indices are computed from population estimates of different sources. For details, please follow link above.
4.66.1 r_elf85 Ethnolinguistic fractionalization (1985)

Ethnolinguistic fractionalization 1985: Reflects probability that two randomly selected people from a given country will not belong to the same ethnolinguistic group, where the latter is defined without collapsing any sub-groups in the sources. (For original sources, see Roeder 2001).

N: 30

Min. Year: 1985 Max. Year: 2019
N: 30 n: 1044 N: 30 T: 35

4.67 Michael L Ross

https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/ZTPW0Y
(Ross & Mahdavi, 2015)
(Data downloaded: 2019-07-05)

Oil and Gas Data, 1932-2014

Global dataset of oil and natural gas production, prices, exports, and net exports. These data are based on the best available information about the volume and value of oil and natural gas production in all countries from 1932 to 2014. The volume figures are from the documents listed in the original source; to calculate the total value of production, the author multiplies the volume by the world price for oil or gas. Since these are world prices for a single (benchmark) type of oil/gas, they only approximate the actual price - which varies by country according to the quality, the terms of contracts, the timing of the transactions, and other factors. These figures do not tell how much revenues were collected by governments or companies - only the approximate volume and value of production. Data on oil production from 1946 to 1969, and gas production from 1955 (when it first was reported) to 1969, are from the US Geological Survey Minerals Yearbook, for various years.

4.67.1 ross_gas_exp Gas exports, billion cubic feet per year

Gas exports, billion cubic feet per year.

Min. Year: 2013 Max. Year: 2013
N: 36

Min. Year: 1990 Max. Year: 2013
N: 36 n: 849 N: 35 T: 24

4.67.2 ross_gas_netexp Net gas exports value, constant 2000 dollar

Net gas exports value, constant 2000 dollar.
4.67.3 ross_gas_netexpc Net gas exports value per capita, constant 2000 dollar
Net gas exports value per capita, constant.

4.67.4 ross_gas_price Constant price of gas in 2000 dollar/mboe
Constant price of gas in 2000 dollar/mboe.

4.67.5 ross_gas_prodc Gas production, million barrels oil equiv.
Gas production, million barrels oil equiv.

4.67.6 ross_gas_value_2000 Gas production value in 2000 dollars
Gas production value in 2000 dollars.
4.67.7 **ross_gas_value_2014** Gas production value in 2014 dollars

Gas production value in 2014 dollars.

4.67.8 **ross_oil_exp** Oil exports, thousands of barrels per day

Oil exports, thousands of barrel per day.

4.67.9 **ross_oil_netexp** Net oil exports value, constant 2000 dollar

Net oil exports value, constant 2000 dollar.

4.67.10 **ross_oil_netexp_c** Net oil exports value per capita, constant 2000 dollar

Net oil exports value per capita, constant.
4.67.11 ross_oil_price Constant price of oil in 2000 dollar/brl
Constant price of oil in 2000 dollar/brl.

4.67.12 ross_oil_prod Oil production in metric tons
Oil production in metric tons.

4.67.13 ross_oil_value_2000 Oil production value in 2000 dollars
Oil production value in 2000 dollars.

4.67.14 ross_oil_value_2014 Oil production value in 2014 dollars
Oil production value in 2014 dollars.
4.68 Reporters Sans Frontières

http://en.rsf.org/
(Reporters Without Borders, 2019)
(Data downloaded: 2019-07-05)

World Press Freedom

The Reporters Without Borders World Press Freedom Index ranks the performance of 180 countries according to a range of criteria that include media pluralism and independence, respect for the safety and freedom of journalists, and the legislative, institutional and infrastructural environment in which the media operate.

4.68.1 rsf_pfi Press Freedom Index

The Press Freedom index measures the amount of freedom journalists and the media have in each country and the efforts made by governments to see that press freedom is respected. It does not take account of all human rights violations, only those that affect press freedom. Neither is it an indicator of the quality of a country’s media.

Note: With the exception of the year 2012 the index ranges between 0 (total press freedom) and 100 (no press freedom). However for the 2012 data release RSF changed the scale so that negative values can be and indeed are assigned to countries with more press freedom. We have decided leave the data as is.

4.69 Borcan, Olsson and Putterman

https://sites.google.com/site/econolaols/extended-state-history-index
(Borcan et al., 2018)
(Data downloaded: 2019-07-30)

Extended State History Index

The data set extends and replaces previous versions of the State Antiquity Index (originally created by Bodikstette, Chanda and Putterman, 2002). The updated data extends the previous Statehist data into the years before 1 CE, to the first states in Mesopotamia (in the fourth millennium BCE), along
with filling in the years 1951 - 2000 CE that were left out of past versions of the Statehist data.

The construction of the index follows the principles developed by Bockstette et al. (2002). First, the duration of state existence is established for each territory defined by modern-day country borders. Second, this duration is divided into 50-year periods. For each half-century from the first period (state emergence) onwards, the authors assign scores to reflect three dimensions of state presence, based on the following questions: 1) Is there a government above the tribal level? 2) Is this government foreign or locally based? 3) How much of the territory of the modern country was ruled by this government?

4.69.1 sai_statehiste0 State History Index, with the discounting rates 0%
State History Index. Discounted values of the overall country indicators with the discounting rates 0%.

4.69.2 sai_statehiste01 State History Index, with the discounting rates 1%
State History Index. Discounted values of the overall country indicators with the discounting rates 1%.

4.69.3 sai_statehiste1 State History Index, with the discounting rates 10%
State History Index. Discounted values of the overall country indicators with the discounting rates 10%.

4.69.4 sai_statehisten0 Normalized Values State History Index, with the discounting rates 0%
Normalized Values State History Index, with the discounting rates 0%.
4.69.5 sai_statehisten01 Normalized Values State History Index, with the discounting rates 1%

Normalized Values State History Index, with the discounting rates 1%.

4.69.6 sai_statehisten1 Normalized Values State History Index, with the discounting rates 10%

Normalized Values State History Index, with the discounting rates 10%.

4.70 Lyle Scruggs

http://cwe2.org/download.php

(Scruggs et al., 2017)

(Data downloaded: 2019-07-01)

The Comparative Welfare Entitlements Dataset

This data set collection provides systematic data on institutional features of social insurance programs in eighteen countries spanning much of the post-war period. Its purpose is to provide an essential complement to program spending data that is available from international sources like the OECD’s Social Expenditure Database.

4.70.1 sc_mnp Min Pension replacement rate (single)

Minimum pension replacement rate: Single (100%)
4.70.2 sc_mpc Minimum pension replacement rate (couple)
Minimum pension replacement rate: Family (100%/0%)

4.70.3 sc_sick Sickness replacement rate (single)
Sickness insurance. Replacement rate: Single (100%)

4.70.4 sc_sickf Sickness replacement rate (family)
Sickness insurance. Replacement rate: Family (100%/0%)

4.70.5 sc_ue Unemployment replacement rate (single)
Unemployment insurance. Replacement rate: Single (100%)
4.70.6 sc_uecov Unemployment coverage

Coverage: Percentage of the labor force insured for unemployment risk. A Methodological Genealogy, CWED Working Paper 01, available on the CWED website. The methodology and scaling differs in important ways from the original generosity index in the previous CWED project.

4.70.7 sc_uef Unemployment replacement rate (family)

Unemployment insurance. Replacement rate: Family (100%/0%)

4.70.8 sc_uequal Unemployment qualification (weeks)

Unemployment insurance. Qualification period: Weeks of insurance needed to qualify for benefit.

4.70.9 sc_uewait Unemployment Waiting Period (days)

Waiting days: Days one must wait to start receiving benefit after becoming unemployed.
4.71 Bertelsmann Stiftung

https://www.sgi-network.org/2019/
[Schiller et al., 2019]
(Data downloaded: 2019-11-05)

Sustainable Governance Indicators

The SGI is a platform built on a cross-national survey of governance that identifies reform needs in 41 EU and OECD countries. SGI explores how governments target sustainable development and advocate for more sustainable governance built on three pillars:
- Policy Performance
- Democracy
- Governance

4.71.1 sgi_ec Policy Performance: Economic Policies - Overall

Policy Performance: Economic Policies (Economy, Labor Market, Taxes, Budgets, Research and Innovation, Global Financial System)

N: 36

4.71.2 sgi_ecbg Policy Performance: Economic Policies - Budgets

Policy Performance: Economic Policies - Budgets (Budgetary Policy, Debt to GDP, Primary Balance, Debt Interest Ratio, Budget Consolidation)

N: 36

4.71.3 sgi_ecec Policy Performance: Economic Policies - Economy

Policy Performance: Economic Policies - Economy (Economic Policy, GDP per Capita, Inflation, Gross Fixed Capital Formation, Real Interest Rate, Potential Output Growth Rate)
4.71.4 sgi_ecgf Policy Performance: Economic Policies - Global Financial System

4.71.5 sgi_ecdm Policy Performance: Economic Policies - Labor Markets

4.71.6 sgi_ecri Policy Performance: Economic Policies - Research, Innovation and Infrastructure

4.71.7 sgi_ectx Policy Performance: Economic Policies - Taxes
4.71.8 sgi_en Policy Performance: Environmental Policies - Overall
Policy Performance: Environmental Policies (Environment, Global Environmental Protection)

4.71.9 sgi_enen Policy Performance: Environmental Policies - Environment

4.71.10 sgi_enge Policy Performance: Environmental Policies - Global Environmental Protection
Policy Performance: Environmental Policies - Global Environmental Protection (Global Environmental Policy, Multilateral Environmental Agreements, Kyoto Participation and Achievements)

4.71.11 sgi_go Governance
This pillar of the SGI examines the governance capacities of a political system in terms of its executive capability and accountability. Sustainable governance is defined here as the political management of public affairs that adopts a long-term view of societal development, takes into account the interests of future generations, and facilitates capacities for social change.
The Governance index examines how effective governments are in directing and implementing policies appropriate to these three goals. As a measuring tool grounded in practical evidence, the Governance index draws on 37 qualitative indicators posed in an expert survey that measure a country's institutional arrangements against benchmarks of good practices in governance. Governance in this context implies both the capacity to act ("executive capacity") and the extent to which non-governmental actors and institutions are endowed with the participatory competence to hold the government accountable to its actions ("executive accountability"). This includes citizens, legislatures, parties, associations and the media, that is, actors that monitor the government's activities and whose effective inclusion in the political process improve the quality of governance.

The dimension of Executive Capacity draws on the categories of steering capability, policy implementation and institutional learning. Steering capability questions explore the roles of strategic planning and expert advice, the effectiveness of interministerial coordination and regulatory impact assessments, and the quality of consultation and communication policies. Questions about implementation assess the government's ability to ensure effective and efficient task delegation to ministers, agencies or subnational governments. Questions on institutional learning refer to a government's ability to reform its own institutional arrangements and improve its strategic orientation.

The dimension of Executive Accountability is comprised of three categories corresponding to actors or groups of actors considered to be important agents of oversight and accountability in theories of democracy and governance. The questions here are designed to examine the extent to which citizens are informed of government policies, whether the legislature is capable of evaluating and acting as a "check" on the executive branch, and whether intermediary organizations (i.e., media, parties, interest associations) demonstrate relevance and policy know-how in exercising oversight. This approach is based on a dynamic understanding of governance in which power and authority is dispersed throughout the institutions, processes and structures of government. In order to account for the diversity of institutional arrangements, the index explicitly considers functional equivalencies in different countries, and pays equal attention to formal and informal as well as hierarchical and non-hierarchical institutional arrangements.

4.71.12 sgi_goea Governance: Executive Accountability

Governance: Executive Accountability (Citizens, Legislature, Intermediary Organizations)

4.71.13 sgi_goec Governance: Executive Capacity

Governance: Executive Capacity (Steering Capability, Policy Implementation, Institutional Learning)
4.71.14  sgi_pp Policy Performance

This pillar of the SGI examines each country’s policy performance in terms of three dimensions of sustainable development. If the goal of politics is to promote sustainable development, and if citizens are to be empowered to live their lives in accordance with their own individual talents, then governments must be able to establish and maintain the social, economic and environmental conditions for such well-being and empowerment. The conditions for social progress must be generated by suitable outcomes in certain policy fields. Such outcomes are examined by the Policy Performance pillar, which is comprised of 16 policy fields grouped in terms of economic, social and environmental sustainability. Each policy field is addressed by a qualitative assessment and additional quantitative data. The point here is to examine domestic policymaking as well as the extent to which governments actively contribute to the provision of global public goods. The areas examined are:

1. Economic Policies: economy, labor markets, taxes, budgets, research and innovation, global financial system
2. Social Policies: education, social inclusion, health, families, pensions, integration policy, safe living conditions, global inequalities
3. Environmental Policies: environment policy, global environmental protection

4.71.15  sgi_qd Quality of Democracy

This pillar of the SGI examines the quality of democracy in each country. From the perspective of long-term system stability and political performance, the quality of democracy and political participation are crucial aspects of a society’s success. The stability and performance of a political system depends in large part upon the consent and confidence of its citizens. Democratic participation and oversight are also essential to genuine learning and adaptation processes, and to the ability to change. In this sense, guaranteeing opportunities for democratic participation and oversight, as well as the presence of due process and respect for civil rights, are fundamental prerequisites for the legitimacy of a political system. The quality of democracy in each country is measured against a definitional norm that considers issues relating to participation rights, electoral competition, access to information and the rule of law. Given that all OECD and EU member states constitute democracies, the questions posed here focus on the quality rather than the presence of democracy. Individual indicators monitor the following criteria:

1. Electoral processes
2. Access to information
3. Civil rights and political liberties
4. Rule of law
4.71.16 sgi_qdai Quality of Democracy: Access to Information
Quality of Democracy: Access to Information (Media Freedom, Media Pluralism, Access to Government Information)

4.71.17 sgi_qdcr Quality of Democracy: Civil Rights and Political Liberties
Quality of Democracy: Civil Rights and Political Liberties (Civil Rights, Political Liberties, Non-discrimination)

4.71.18 sgi_qdep Quality of Democracy: Electoral Process
Quality of Democracy: Electoral Process (Candidacy Procedures, Media Access, Voting and Registration Rights, Party Financing, Popular Decision-making)

4.71.19 sgi_qdrl Quality of Democracy: Rule of Law
Quality of Democracy: Rule of Law (Legal Certainty, Judicial Review, Appointment of Justices, Corruption Prevention)
4.71.20 \textit{sgi\_qdrlc} Quality of Democracy: Rule of Law - Corruption Prevention

Quality of Democracy: Rule of Law - Corruption Prevention. To what extent are public officeholders prevented from abusing their position for private interests? This question addresses how the state and society prevent public servants and politicians from accepting bribes by applying mechanisms to guarantee the integrity of officeholders: auditing of state spending; regulation of party financing; citizen and media access to information; accountability of officeholders (asset declarations, conflict of interest rules, codes of conduct); transparent public procurement systems; effective prosecution of corruption. (1, 2): Public officeholders can exploit their offices for private gain as they see fit without fear of legal consequences or adverse publicity. (3, 4, 5): Some integrity mechanisms function, but do not effectively prevent public officeholders from abusing their positions. (6, 7, 8): Most integrity mechanisms function effectively and provide disincentives for public officeholders willing to abuse their positions. (9, 10): Legal, political and public integrity mechanisms effectively prevent public officeholders from abusing their positions.

4.71.21 \textit{sgi\_so} Policy Performance: Social Policies - Overall


4.71.22 \textit{sgi\_soed} Policy Performance: Social Policies - Education

Policy Performance: Social Policies - Education (Education Policy, Upper Secondary Attainment, Tertiary Attainment, Programme for International Student Assessment (PISA) Results, Programme for International Student Assessment (PISA) Socioeconomic Background, Pre-primary Expenditure)
4.71.23  sgi_sofa Policy Performance: Social Policies - Families
Policy Performance: Social Policies - Families (Family Policy, Child Care Density Age 0-2, Child Care Density Age 3-5, Fertility Rate, Child Poverty Rate)

4.71.24  sgi_sogi Policy Performance: Social Policies - Global Social Inequalities
Policy Performance: Social Policies - Global Inequalities (Global Social Policy, Official Development Assistance (ODA))

4.71.25  sgi_sohe Policy Performance: Social Policies - Health
Policy Performance: Social Policies - Health (Health Policy, Spending on Health Programs, Life Expectancy, Infant Mortality, Perceived Health Status)

4.71.26  sgi_soin Policy Performance: Social Policies - Integration Policy
4.71.27  sgi_sope Policy Performance: Social Policies - Pensions
Policy Performance: Social Policies - Pensions (Pension Policy, Older Employment, Old Age Dependency Ratio, Senior Citizen Poverty)

4.71.28  sgi_sosi Policy Performance: Social Policies - Social Inclusion
Policy Performance: Social Policies - Social Inclusion (Social Inclusion Policy, Poverty Rate, NEET Rate, Gini Coefficient, Gender Equality in Parliaments, Life Satisfaction)

4.71.29  sgi_sosl Policy Performance: Social Policies - Safe Living Conditions
Policy Performance: Social Policies - Safe Living (Internal Security Policy, Homicides, Thefts, Confidence in Police)

4.72  Ceyhun and Oguz
[Elgin & Oztunali 2012]
(Data downloaded: 2015-10-06)
Shadow Economies: Model Based estimates (2012)

The authors use a two-sector dynamic general equilibrium model; they developed an approach to estimate the size of the shadow economy. Compared to the methods used in the current literature, this approach overcomes three main issues. First, it does not rely on ad-hoc econometric specifications and assumptions. Second, as it does not estimate the size of the shadow economy using statistical methods, it does not include statistical errors. Finally, as opposed to the currently existing methods, it does not lack micro-foundations.

4.72.1 shec_se Level of the shadow economy

Level of the shadow economy

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A

Min. Year: 1950 Max. Year: 2009
N: 36 n: 1794 N: 30 T: 50

4.73 The Political Terror Scale (PTS) project

http://www.politicalterrorscale.org/Data/Documentation-SVS.html
(Gibney et al., 2018)
(Data downloaded: 2019-07-02)

The Societal Violence Scale

The Societal Violence Scale seeks to develop measures of societal violence based on annual US State Department’s Human Rights reports. The Societal Violence Scale ranks countries on a 5-point scale (from the lowest level of societal violence to the highest) based on three criteria. First, the authors look at scope: the proportion of society that is victimized. Thus, widespread violence against women (who account for 50 percent of the population) figures more heavily in the final score than widespread abuses against human rights defenders, who represent a very small number. The authors also look at the severity of abuses. For example, evidence that human rights defenders are killed weighs more heavily than beatings of human rights defenders. Likewise, while women are routinely subjected to sexual violence and domestic violence, the addition of other types of violence against women like gang rape, sex trafficking, and/or FGM/C adds to the assessment of severity.

4.73.1 svs_ind Societal Violence Scale Index 1-5

The Societal Violence Scale is coded on a 5-point scale where:

1 Societal violence is limited in scope and severity, with relatively few victims and few perpetrators.
2 Societal violence is a problem, affecting a significant number of victims, albeit across few victim categories and of a less severe nature.
3 Societal violence is widespread and serious in nature. It affects a significant number of people across several victim categories.
4 Societal violence is pervasive in scope, severe in nature, assumes a variety of forms and affects a large proportion of the population typically across several victim categories and perpetrators.
5 Societal violence is ubiquitous in scope, egregious in nature and assumes a variety of forms. If affects a large proportion of the population, commonly crossing numerous victim groups and perpetrators.
Corruption Perceptions Index

The CPI focuses on corruption in the public sector and defines corruption as the abuse of public office for private gain. The surveys used in compiling the CPI tend to ask questions in line with the misuse of public power for private benefit, with a focus, for example, on bribe-taking by public officials in public procurement. The sources do not distinguish between administrative and political corruption. The CPI Score relates to perceptions of the degree of corruption as seen by business people, risk analysts and the general public and ranges between 100 (highly clean) and 0 (highly corrupt).

Note: The time-series information in the CPI scores can only be used if interpreted with caution. Year-to-year shifts in a country’s score can result not only from a changing perception of a country’s performance but also from a changing sample and methodology. That is, with differing respondents and slightly differing methodologies, a change in a country’s score may also relate to the fact that different viewpoints have been collected and different questions have been asked. Moreover, each country’s CPI score is composed as a 3-year moving average, implying that if changes occur they only gradually affect a country’s score. For a more detailed discussion of comparability over time in the CPI, see Lambsdorff 2005.

Note: In 2012 TI changed methodology for which the data is no comparable and only data from 2012 can be compared.

Also, the observation “Belgium/Luxembourg” from the 1995 data has been dropped.

The Corruption Perception Index (2018) by Transparency International is licensed under CC-BY-ND 4.0

4.74.1 ti_cpi Corruption Perceptions Index

Corruption Perceptions Index. Scale of 0-100 where a 0 equals the highest level of perceived corruption and 100 equals the lowest level of perceived corruption.
4.74.2 \textit{ti\_cpi\_max} Corruption Perceptions Index - max range
Corruption Perceptions Index - Max Range. Highest possible value of the CPI for a country according to the 95% confidence interval.

\textbf{Min. Year:} 2016 \textbf{Max. Year:} 2017  \textbf{N:} 36

4.74.3 \textit{ti\_cpi\_max\_om} Corruption Perceptions Index - max range (old method.)
Corruption Perceptions Index - Max Range (Old methodology). Highest possible value of the CPI for a country according to the 95% confidence interval.

\textbf{Min. Year:} 2000 \textbf{Max. Year:} 2011  \textbf{N:} 36 \textbf{n:} 431
\textbf{N:} N/A \textbf{Min. Year:} N/A \textbf{Max. Year:} N/A
\textbf{T:} N/A

4.74.4 \textit{ti\_cpi\_min} Corruption Perceptions Index - min range
Corruption Perceptions Index - Min Range. Lowest possible value of the CPI for a country according to the 95% confidence interval.

\textbf{Min. Year:} 2016 \textbf{Max. Year:} 2017  \textbf{N:} 36

4.74.5 \textit{ti\_cpi\_min\_om} Corruption Perceptions Index - min range (old method.)
Corruption Perceptions Index - Min Range (Old methodology). Lowest possible value of the CPI for a country according to the 95% confidence interval.

\textbf{Min. Year:} 2000 \textbf{Max. Year:} 2011  \textbf{N:} 36 \textbf{n:} 431
\textbf{N:} N/A \textbf{Min. Year:} N/A \textbf{Max. Year:} N/A
\textbf{T:} N/A

4.74.6 \textit{ti\_cpi\_om} Corruption Perceptions Index (old methodology)
Corruption Perceptions Index (Old methodology). Scale of 0-10 where a 0 equals the highest level of perceived corruption and 10 equals the lowest level of perceived corruption.
4.75 Alvaredo, Atkinson, Piketty and Saez

http://wid.world/data/
(Alvaredo et al., 2018b) (Alvaredo et al., 2018a)
(Data downloaded: 2018-11-27)

The World Top Incomes Database

Built to accompany the publishing of the two books Top Incomes: a Global Perspective (2010, Oxford University Press) and Top Incomes over the XX Century (2007, Oxford University Press), the World Top Incomes Database offers the most comprehensive set of historical series on income inequality available so far. In the 2010 book, the authors analyze the long term evolution of top incomes in 12 new countries (after the 10 initial countries analysed in the 2007 book).

4.75.1 top_top10_income_share Top 10% income share

Top 10% income share. Pre-tax national income share held by a given percentile group. Pre-tax national income is the sum of all pre-tax personal income flows accruing to the owners of the production factors, labor and capital, before taking into account the operation of the tax/transfer system, but after taking into account the operation of pension system. The central difference between personal factor income and pre-tax income is the treatment of pensions, which are counted on a contribution basis by factor income and on a distribution basis by pre-tax income. The population is comprised of individuals over age 20. The base unit is the tax unit defined by national fiscal administrations to measure personal income taxes.

4.75.2 top_top1_income_share Top 1% income share

Top 1% income share. Pre-tax national income share held by a given percentile group. Pre-tax national income is the sum of all pre-tax personal income flows accruing to the owners of the production factors, labor and capital, before taking into account the operation of the tax/transfer system, but after taking into account the operation of pension system. The central difference between personal factor income and pre-tax income is the treatment of pensions, which are counted on a contribution basis by factor income and on a distribution basis by pre-tax income. The population is comprised of individuals over age 20. The base unit is the individual (rather than the household) but resources are split equally within couples.
4.76 UCDP/PRIO

http://ucdp.uu.se/downloads/

(Pettersson et al., 2019) (Harbom et al., 2008) (Pettersson 2019)
(Data downloaded: 2019-11-06)

UCDP Dyadic Dataset version 19.1

The UCDP Dyadic Dataset is a project within the Uppsala Conflict Data Program (UCDP) at the Department of Peace and Conflict Research, Uppsala University. The UCDP Dyadic dataset builds on the UCDP/PRIO Armed Conflict dataset, but goes beyond the conflict level and focuses on dyads within each conflict. As such, it constitutes a disaggregated version of the UCDP/PRIO Armed Conflict dataset.

4.76.1 ucdp_typed Internationalized internal armed conflict

Number of internationalized internal armed conflicts per country in a given year. Internationalized internal armed conflict occurs between the government of a state and one or more internal opposition group(s) with intervention from other states (secondary parties) on one or both sides.

4.77 Pemstein, Meserve and Melton

http://www.unified-democracy-scores.org/uds.html

(Pemstein et al., 2010)
(Data downloaded: 2019-07-31)

Unified Democracy Scores

The Unified Democracy Scores (UDS) now covers the time period 1946-2012. These new scores incorporate recent updates to three of the ten original measures - Freedom House (2014), Polity IV (Marshall et al. 2012), and Vanhanen (2012) - that feature in the analysis that the authors report in their 2010 article. In addition, the current release adds a recently developed measure of democracy - Economist Intelligence Unit (2012) - to its framework.
4.77.1  uds_mean Unified Demo. Score Posterior (Mean)
Unified Democracy Score Posterior (Mean).

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A
Min. Year: 1946 Max. Year: 2012
N: 35 n: 2036 N: 30 T: 58

4.77.2  uds_median Unified Demo. Score Posterior (Median)
Unified Democracy Score Posterior (Median).

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A
Min. Year: 1946 Max. Year: 2012
N: 35 n: 2036 N: 30 T: 58

4.77.3  uds_pct025 Unified Demo. Score Posterior (2.5 percentile)
Unified Democracy Score Posterior (2.5 percentile).

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A
Min. Year: 1946 Max. Year: 2012
N: 35 n: 2036 N: 30 T: 58

4.77.4  uds_pct975 Unified Demo. Score Posterior (97.5 percentile)
Unified Democracy Score Posterior (97.5 percentile).

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A
Min. Year: 1946 Max. Year: 2012
N: 35 n: 2036 N: 30 T: 58

4.77.5  uds_sd Unified Demo. Score Posterior (Std. Dev.)
Unified Democracy Score Posterior (Std. Dev.).
4.78 United Nations Development Program


Human Development Report


The entire series of Human Development Index (HDI) values and rankings are recalculated every year using the most recent (revised) data and functional forms. The HDI rankings and values in the 2014 Human Development Report cannot therefore be compared directly to indices published in previous Reports. Please see hdr.undp.org for more information.

The HDI was created to emphasize that people and their capabilities should be the ultimate criteria for assessing the development of a country, not economic growth alone. The HDI can also be used to question national policy choices, asking how two countries with the same level of GNI per capita can end up with different human development outcomes.

4.78.1 undp_hdi Human Development Index

The HDI was created to emphasize that people and their capabilities should be the ultimate criteria for assessing the development of a country, not economic growth alone. The HDI can also be used to question national policy choices, asking how two countries with the same level of GNI per capita can end up with different human development outcomes. These contrasts can stimulate debate about government policy priorities.

The Human Development Index (HDI) is a summary measure of average achievement in key dimensions of human development: a long and healthy life, being knowledgeable and having a decent standard of living. The HDI is the geometric mean of normalized indices for each of the three dimensions.

The health dimension is assessed by life expectancy at birth, the education dimension is measured by mean of years of schooling for adults aged 25 years and more and expected years of schooling for children of school entering age. The standard of living dimension is measured by gross national income per capita. The HDI uses the logarithm of income, to reflect the diminishing importance of income with increasing GNI. The scores for the three HDI dimension indices are then aggregated into a composite index using geometric mean. Refer to Technical notes for more details.

The HDI simplifies and captures only part of what human development entails. It does not reflect on inequalities, poverty, human security, empowerment, etc. The HDR O offers the other composite indices as broader proxy on some of the key issues of human development, inequality, gender disparity and human poverty.
4.79 UNESCO

http://data.uis.unesco.org/
(UNESCO 2019)
(Data downloaded: 2019-11-07)

UNESCO Institute for Statistics
UIS Data Centre contains all the latest available data and indicators, for education, literacy, science, technology and innovation, culture, communication and information.

4.79.1 une_girg1pf Gross intake ratio to Grade 1 of primary education, female (%)
Gross intake ratio to Grade 1 of primary education, female (%). This indicator utilizes population data for a single-year of age.

4.79.2 une_girg1pm Gross intake ratio to Grade 1 of primary education, male (%)
Gross intake ratio to Grade 1 of primary education, male (%). This indicator utilizes population data for a single-year of age.

4.79.3 une_girg1pt Gross intake ratio to Grade 1 of primary education, both sexes (%)
Gross intake ratio to Grade 1 of primary education, both sexes (%). This indicator utilizes population data for a single-year of age.

313
4.79.4 une_oears Official entrance age to lower secondary education (years)

Official entrance age to lower secondary education (years). Age at which students would enter a given programme or level of education assuming they start at the official entrance age for the lowest level of education, study full-time throughout and progressed through the system without repeating or skipping a grade. The theoretical entrance age to a given programme or level is typically, but not always, the most common entrance age.

4.79.5 une_oears Official entrance age to upper secondary education (years)

Official entrance age to upper secondary education (years). Age at which students would enter a given programme or level of education assuming they start at the official entrance age for the lowest level of education, study full-time throughout and progressed through the system without repeating or skipping a grade. The theoretical entrance age to a given programme or level is typically, but not always, the most common entrance age.

4.79.6 une_tdurls Theoretical duration of lower secondary education (years)

Theoretical duration of lower secondary education (years). Number of grades or years in a given level of education.
4.79.7 Theoretical duration of upper secondary education (years)

Theoretical duration of upper secondary education (years). Number of grades or years in a given level of education.

N: 36

4.80 Tatu Vanhanen

https://services.fsd.uta.fi/catalogue/FSD1289
(Vanhanen, 2019) (Finnish Social Science Data Archive [producer and distributor] 2019)
(Data downloaded: 2019-10-04)

Measures of Democracy 1810-2018

The data contain three different variables, created by Tatu Vanhanen. The variables in question are political competition, political participation and the index of democratization.

4.80.1 van_comp Competition

The competition variable portrays the electoral success of smaller parties, that is, the percentage of votes gained by the smaller parties in parliamentary and/or presidential elections. The variable is calculated by subtracting from 100 the percentage of votes won by the largest party (the party which wins most votes in parliamentary elections or by the party of the successful candidate in presidential elections. Depending on their importance, either parliamentary or presidential elections are used in the calculation of the variable, or both elections are used, with weights. If information on the distribution of votes is not available, or if the distribution does not portray the reality accurately, the distribution of parliamentary seats is used instead. If parliament members are elected but political parties are not allowed to take part in elections, it is assumed that one party has taken all votes or seats. In countries where parties are not banned but yet only independent candidates participate in elections, it is assumed that the share of the largest party is not over 30 percent.

N: 36

4.80.2 van_index Index of Democratization

The index of democratization is formed by multiplying the competition and the participation variables and then dividing the outcome by 100.

Min. Year: 1946 Max. Year: 2018
N: 36 n: 2273 N: 31 T: 63
4.80.3 van_part Participation

The political participation variable portrays the voting turnout in each election, and is calculated as the percentage of the total population who actually voted in the election. In the case of indirect elections, only votes cast in the final election are taken into account. If electors have not been elected by citizens, only the number of actual electors is taken into account, which means that the degree of participation drops to the value 0. If an election to choose electors has been held, the participation variable is calculated from the number and distribution of votes in that election. National referendums raise the variable value by five percent and state (regional) referendums by one percent for the year they are held. Referendums can add the degree of participation at maximum by 30 percent a year. The value of the combined degree of participation cannot be higher than 70 percent, even in cases where the sum of participation and referendums would be higher than 70.

4.81 Varieties of Democracy (V-Dem) Project

https://v-dem.net/en/data/
(Coppedge et al., 2019) (Pemstein et al., 2019)
(Data downloaded: 2019-06-12)

Varieties of Democracy Dataset version 9

Varieties of Democracy (V-Dem) is a new approach to conceptualizing and measuring democracy. It provides a multidimensional and disaggregated dataset that reflects the complexity of the concept of democracy as a system of rule that goes beyond the simple presence of elections. The V-Dem project distinguishes between five high-level principles of democracy: electoral, liberal, participatory, deliberative, and egalitarian, and collects data to measure these principles.

4.81.1 vdem_corr Political corruption index

Political corruption. Question: How pervasive is political corruption?

Clarification: The directionality of the V-Dem corruption index runs from less corrupt to more corrupt (unlike the other V-Dem variables that generally run from less democratic to more democratic situation). The corruption index includes measures of six distinct types of corruption that cover both different areas and levels of the polity realm, distinguishing between executive, legislative and judicial corruption. Within the executive realm, the measures also distinguish between corruption mostly pertaining to bribery and corruption due to embezzlement. Finally, they differentiate between corruption in the highest echelons of the executive (at the level of the rulers/cabinet) on the one
hand, and in the public sector at large on the other. The measures thus tap into several distinguished
types of corruption: both 'petty' and 'grand'; both bribery and theft; both corruption aimed at
influencing law making and that affecting implementation. Aggregation: The index is arrived at by
taking the average of (a) public sector corruption index; (b) executive corruption index; (c) the in-
dicator for legislative corruption; and (d) the indicator for judicial corruption. In other words, these
four different government spheres are weighted equally in the resulting index. V-Dem replace missing
values for countries with no legislature by only taking the average of (a), (b) and (d).

4.81.2 vdem_delibdem Deliberative democracy index

Deliberative democracy index. Question: To what extent is the ideal of deliberative democracy
achieved?

Clarification: The deliberative principle of democracy focuses on the process by which decisions
are reached in a polity. A deliberative process is one in which public reasoning focused on the com-
mon good motivates political decisions - as contrasted with emotional appeals, solidary attachments,
parochial interests, or coercion. According to this principle, democracy requires more than an aggre-
gation of existing preferences. There should also be respectful dialogue at all levels - from preference
formation to final decision - among informed and competent participants who are open to persuasion.
To make it a measure of not only the deliberative principle but also of democracy, the index also
takes the level of electoral democracy into account.

4.81.3 vdem_dl_delib Deliberative component index

Deliberative component index. Question: To what extent is the deliberative principle of democracy
achieved?

Clarification: The deliberative principle of democracy focuses on the process by which decisions
are reached in a polity. A deliberative process is one in which public reasoning focused on the com-
mon good motivates political decisions - as contrasted with emotional appeals, solidary attachments,
parochial interests, or coercion. According to this principle, democracy requires more than an aggre-
gation of existing preferences. There should also be respectful dialogue at all levels - from preference
formation to final decision - among informed and competent participants who are open to persuasion.
To measure these features of a polity we try to determine the extent to which political elites give
public justifications for their positions on matters of public policy, justify their positions in terms of
the public good, acknowledge and respect counter-arguments; and how wide the range of consultation
is at elite levels. Aggregation: The index is formed by point estimates drawn from a Bayesian factor
analysis model including the following indicators: reasoned justification, common good justification,
respect for counterarguments, range of consultation, and engaged society.
4.81.4 vdem_edcomp_thick Electoral component index

Electoral democracy index. Question: To what extent is the ideal of electoral democracy in its fullest sense achieved?

Clarifications: The electoral principle of democracy seeks to embody the core value of making rulers responsive to citizens, achieved through electoral competition for the electorate’s approval under circumstances when suffrage is extensive; political and civil society organizations can operate freely; elections are clean and not marred by fraud or systematic irregularities; and elections affect the composition of the chief executive of the country. In between elections, there is freedom of expression and an independent media capable of presenting alternative views on matters of political relevance. In the V-Dem conceptual scheme, electoral democracy is understood as an essential element of any other conception of (representative) democracy - liberal, participatory, deliberative, egalitarian, or some other. Aggregation: The index is formed by taking the average of, on the one hand, the sum of the indices measuring freedom of association (thick), suffrage, clean elections, elected executive (de jure) and freedom of expression; and, on the other, the five-way interaction between those indices. This is half way between a straight average and strict multiplication, meaning the average of the two. It is thus a compromise between the two most well known aggregation formulas in the literature, both allowing “compensation” in one sub-component for lack of polyarchy in the others, but also punishing countries not strong in one sub-component according to the “weakest link” argument. The aggregation is done at the level of Dahls sub-components (with the one exception of the non-electoral component).

4.81.5 vdem_egal Egalitarian component index

Egalitarian component index. Question: To what extent is the egalitarian principle achieved?

Clarifications: The egalitarian principle of democracy holds that material and immaterial inequalities inhibit the exercise of formal rights and liberties, and diminish the ability of citizens from all social groups to participate. Egalitarian democracy is achieved when 1) rights and freedoms of individuals are protected equally across all social groups; and 2) resources are distributed equally across all social groups. The distribution of resources must be sufficient to ensure that citizens’ basic needs are met in a way that enables their meaningful participation. Additionally, an equal distribution of resources ensures the potential for greater equality in the distribution of power. Aggregation: This index is formed by averaging the following indices: equal protection index and equal distribution of resources.
4.81.6 vdem_egaldem Egalitarian democracy index

Egalitarian democracy index. Question: To what extent is the ideal of egalitarian democracy achieved?

Clarifications: The egalitarian principle of democracy holds that material and immaterial inequalities inhibit the exercise of formal rights and liberties, and diminish the ability of citizens from all social groups to participate. Egalitarian democracy is achieved when 1) rights and freedoms of individuals are protected equally across all social groups; and 2) resources are distributed equally across all social groups. The distribution of resources must be sufficient to ensure that citizens’ basic needs are met in a way that enables their meaningful participation. Additionally, an equal distribution of resources ensures the potential for greater equality in the distribution of power. To make it a measure of egalitarian democracy, the index also takes the level of electoral democracy into account.

4.81.7 vdem_elvotebuy Election vote buying

Election vote buying. Question: In this national election, was there evidence of vote and/or turnout buying?

Clarification: Vote and turnout buying refers to the distribution of money or gifts to individuals, families, or small groups in order to influence their decision to vote/not vote or whom to vote for. It does not include legislation targeted at specific constituencies, i.e., “pork barrel” legislation. V-Dem uses a specifically designed measurement model to provide country-year point estimates, aggregated from multiple codings submitted by country experts by taking disagreement and measurement error into account. In this version of the variable, used in the QoG dataset, V-Dem has linearly translated the measurement model point estimates back to the original ordinal scale of each variable as an interval measure.

4.81.8 vdem_exbribe Executive bribery and corrupt exchanges

Executive bribery and corrupt exchanges. Question: How routinely do members of the executive (the head of state, the head of government, and cabinet ministers), or their agents, grant favors in exchange...
for bribes, kickbacks, or other material inducements? V-Dem uses a specifically designed measurement model to provide country-year point estimates, aggregated from multiple codings submitted by country experts by taking disagreement and measurement error into account. In this version of the variable, used in the QoG dataset, V-Dem has linearly translated the measurement model point estimates back to the original ordinal scale of each variable as an interval measure.

4.81.9 vdem_execptps Public sector corrupt exchanges

Public sector corrupt exchanges. Question: How routinely do public sector employees grant favors in exchange for bribes, kickbacks, or other material inducements?

Clarification: When responding to this question, we would like to you think about a typical person employed by the public sector, excluding the military. If you think there are large discrepancies between branches of the public sector, between the national/federal and subnational/state level, or between the core bureaucracy and employees working with public service delivery, please try to average them out before stating your response. V-Dem uses a specifically designed measurement model to provide country-year point estimates, aggregated from multiple codings submitted by country experts by taking disagreement and measurement error into account. In this version of the variable, used in the QoG dataset, V-Dem has linearly translated the measurement model point estimates back to the original ordinal scale of each variable as an interval measure.

4.81.10 vdem_execorr Executive corruption index

Executive corruption index. Question: How routinely do members of the executive, or their agents grant favors in exchange for bribes, kickbacks, or other material inducements, and how often do they steal, embezzle, or misappropriate public funds or other state resources for personal or family use?

Clarification: The directionality of the V-Dem corruption index runs from less corrupt to more corrupt (unlike the other V-Dem variables that generally run from less democratic to more democratic situation). Aggregation: The index is formed by taking the average of the point estimates from a Bayesian factor analysis model of the indicators for executive bribery and executive embezzlement.
4.81.11 vdem_exembez Executive embezzlement and theft

Executive embezzlement and theft. Question: How often do members of the executive (the head of state, the head of government, and cabinet ministers), or their agents, steal, embezzle, or misappropriate public funds or other state resources for personal or family use? V-Dem uses a specifically designed measurement model to provide country-year point estimates, aggregated from multiple codings submitted by country experts by taking disagreement and measurement error into account. In this version of the variable, used in the QoG dataset, V-Dem has linearly translated the measurement model point estimates back to the original ordinal scale of each variable as an interval measure.

N: 36

Min. Year: 1946 Max. Year: 2018
N: 36 n: 2274 N: 31 T: 63

4.81.12 vdem_exthftps Public sector theft

Public sector theft. Question: How often do public sector employees steal, embezzle, or misappropriate public funds or other state resources for personal or family use?

Clarification: When responding to this question, we would like to you think about a typical person employed by the public sector, excluding the military. If you think there are large discrepancies between branches of the public sector, between the national/federal and subnational/state level, or between the core bureaucracy and employees working with public service delivery, please try to average them out before stating your response. Scale: ordinal, converted to interval by the measurement model.

N: 36

Min. Year: 1946 Max. Year: 2018
N: 36 n: 2274 N: 31 T: 63

4.81.13 vdem_gcrrpt Legislature corrupt activities

Legislature corrupt activities. Do members of the legislature abuse their position for financial gain? V-Dem uses a specifically designed measurement model to provide country-year point estimates, aggregated from multiple codings submitted by country experts by taking disagreement and measurement error into account. In this version of the variable, used in the QoG dataset, V-Dem has linearly translated the measurement model point estimates back to the original ordinal scale of each variable as an interval measure.

N: 36

Min. Year: 1946 Max. Year: 2018
N: 36 n: 2245 N: 31 T: 62
4.81.14 vdem_gender Women political empowerment index

Women political empowerment index. Question: How politically empowered are women?

Clarifications: Women's political empowerment is defined as a process of increasing capacity for women, leading to greater choice, agency, and participation in societal decision-making. It is understood to incorporate three equally-weighted dimensions: fundamental civil liberties, women's open discussion of political issues and participation in civil society organizations, and the descriptive representation of women in formal political positions. Aggregation: The index is formed by taking the average of women's civil liberties index, women's civil society participation index, and women's political participation index.

N: 36

4.81.15 vdem_jucorrdc Judicial corruption decision

Judicial corruption decision. Question: How often do individuals or businesses make undocumented extra payments or bribes in order to speed up or delay the process or to obtain a favorable judicial decision? V-Dem uses a specifically designed measurement model to provide country-year point estimates, aggregated from multiple codings submitted by country experts by taking disagreement and measurement error into account. In this version of the variable, used in the QoG dataset, V-Dem has linearly translated the measurement model point estimates back to the original ordinal scale of each variable as an interval measure.

N: 36

4.81.16 vdem_libdem Liberal democracy index

Liberal democracy index. Question: To what extent is the ideal of liberal democracy achieved?

Clarifications: The liberal principle of democracy emphasizes the importance of protecting individual and minority rights against the tyranny of the state and the tyranny of the majority. The liberal model takes a "negative" view of political power insofar as it judges the quality of democracy by the limits placed on government. This is achieved by constitutionally protected civil liberties, strong rule of law, an independent judiciary, and effective checks and balances that, together, limit the exercise of executive power. To make this a measure of liberal democracy, the index also takes the level of electoral democracy into account.
4.81.17 vdem_liberal Liberal component index

Liberal component index. Question: To what extent is the liberal principle of democracy achieved?

Clarification: The liberal principle of democracy emphasizes the importance of protecting individual and minority rights against the tyranny of the state and the tyranny of the majority. The liberal model takes a “negative” view of political power insofar as it judges the quality of democracy by the limits placed on government. This is achieved by constitutionally protected civil liberties, strong rule of law, an independent judiciary, and effective checks and balances that, together, limit the exercise of executive power. Aggregation: This index is formed by averaging the following indices: equality before the law and individual liberties, judicial constraints on the executive, and legislative constraints on the executive.

N: 36

Min. Year: 1946 Max. Year: 2018
N: 36 n: 2274 N: 31 T: 63

4.81.18 vdem_mecorrpt Media corrupt

Media corrupt. Question: Do journalists, publishers, or broadcasters accept payments in exchange for altering news coverage? V-Dem uses a specifically designed measurement model to provide country-year point estimates, aggregated from multiple codings submitted by country experts by taking disagreement and measurement error into account. In this version of the variable, used in the QoG dataset, V-Dem has linearly translated the measurement model point estimates back to the original ordinal scale of each variable as an interval measure.

N: 36

Min. Year: 1946 Max. Year: 2018
N: 36 n: 2274 N: 31 T: 63

4.81.19 vdem_partip Participatory component index

Participatory component index. Question: To what extent is the participatory principle achieved?

Clarification: The participatory principle of democracy emphasizes active participation by citizens in all political processes, electoral and non-electoral. It is motivated by uneasiness about a bedrock practice of electoral democracy: delegating authority to representatives. Thus, direct rule by citizens is preferred, wherever practicable. This model of democracy thus takes suffrage for granted, emphasizing engagement in civil society organizations, direct democracy, and subnational elected bodies. Aggregation: This index is formed by averaging the following indices: civil society participation, direct popular vote, elected local government power, and elected regional government power.

Min. Year: 2016 Max. Year: 2018
N: 36 n: 2274 N: 31 T: 63
4.81.20 vdem_partipdem Participatory democracy index

Participatory democracy index. Question: To what extent is the ideal of participatory democracy achieved?

Clarifications: The participatory principle of democracy emphasizes active participation by citizens in all political processes, electoral and non-electoral. It is motivated by uneasiness about a bedrock practice of electoral democracy: delegating authority to representatives. Thus, direct rule by citizens is preferred, wherever practicable. This model of democracy thus takes suffrage for granted, emphasizing engagement in civil society organizations, direct democracy, and subnational elected bodies. To make it a measure of participatory democracy, the index also takes the level of electoral democracy into account.

4.81.21 vdem_polyarchy Electoral democracy index

Electoral democracy index. Question: To what extent is the ideal of electoral democracy in its fullest sense achieved?

Clarifications: The electoral principle of democracy seeks to embody the core value of making rulers responsive to citizens, achieved through electoral competition for the electorate’s approval under circumstances when suffrage is extensive; political and civil society organizations can operate freely; elections are clean and not marred by fraud or systematic irregularities; and elections affect the composition of the chief executive of the country. In between elections, there is freedom of expression and an independent media capable of presenting alternative views on matters of political relevance. In the V-Dem conceptual scheme, electoral democracy is understood as an essential element of any other conception of (representative) democracy - liberal, participatory, deliberative, egalitarian, or some other. Aggregation: The index is formed by taking the average of, on the one hand, the sum of the indices measuring freedom of association (thick), suffrage, clean elections, elected executive (de jure) and freedom of expression; and, on the other, the five-way interaction between those indices. This is half way between a straight average and strict multiplication, meaning the average of the two. It is thus a compromise between the two most well known aggregation formulas in the literature, both allowing “compensation” in one sub-component for lack of polyarchy in the others, but also punishing countries not strong in one sub-component according to the “weakest link” argument. The aggregation is done at the level of Dahl’s sub-components (with the one exception of the non-electoral component).
4.81.22 vdem_pubcorr Public sector corruption index

Public sector corruption index. Question: To what extent do public sector employees grant favors in exchange for bribes, kickbacks, or other material inducements, and how often do they steal, embezzle, or misappropriate public funds or other state resources for personal or family use?

Clarification: The directionality of the V-Dem corruption index runs from less corrupt to more corrupt (unlike the other V-Dem variables that generally run from less democratic to more democratic situation). Aggregation: The index is formed by taking the average of the point estimates from a Bayesian factor analysis model of the indicators for public sector bribery and embezzlement.

4.82 Jelle Visser

http://uva-aias.net/en/ictwss
(Visser, 2019)
(Data downloaded: 2019-07-01)

The ICTWSS database version 6.0

The ICTWSS database covers four key elements of modern political economies: trade unionism, wage setting, state intervention and social pacts. The database contains annual data for all OECD and EU Member States.

4.82.1 vi_ext Mandatory extension of collective agreements to non-organised employers

Mandatory extension of collective agreements to non-organised employers.

0. There are neither legal provisions for mandatory extension, nor is there a functional equivalent.
1. Extension is rather exceptional, used in some industries only, because of absence of sector agreements, very high thresholds (supermajorities of 60% or more, public policy criteria, etc.), and/or resistance of Employers.
2. Extension is used in many industries, but there are thresholds and Ministers can (and sometimes do) decide not to extend (clauses in) collective agreements.
3. Extension is virtually automatic and more or less general (including enlargement).
4.82.2 vi_mws Minimum Wage Setting

Minimum Wage Setting.

0. No statutory minimum wage, no sectoral or national agreements.
1. Minimum wages are set by (sectoral) collective agreement or tripartite wage boards in (some) sectors.
2. Minimum wages are set by national (cross-sectoral or inter-occupational) agreement (autonomous agreement) between unions and employers.
3. National minimum wage is set by agreement (as in 1 or 2) but extended and made binding by law or Ministerial decree.
4. National minimum wage is set through tripartite negotiations.
5. National minimum wage is set by government after (non-binding) tripartite consultations.
6. Minimum wage set by judges or expert committee, as in award-system.
7. Minimum wage is set by government, bound by a fixed rule (index-based minimum wage).
8. Minimum wage is set by government based on a fixed rule (index-based minimum wage) or target (growth, employment, poverty), but government can (and sometimes does) take a discretionary decision.
9. Minimum wage is set by government, without a fixed rule.

4.82.3 vi_nmw National Minimum Wage

National Minimum Wage.

0. No statutory minimum wage.
1. Statutory minimum wage in some sectors (occupations, regions/states) only.
2. Statutory national (cross-sectoral or interoccupational) minimum wage exists.

4.82.4 vi_rag Right of Association, government

Right of Association, Government Sector.
0. No.
1. Yes, with major restrictions (e.g., monopoly union, government authorization, major groups excluded).
2. Yes, with minor restrictions (e.g., recognition procedures, thresholds, only military, judiciary or police excluded, as per ILO convention).
3. Yes.

4.82.5 vi_ram Right of Association, market

Right of Association, Market Sector.

0. No.
1. Yes, with major restrictions (e.g., monopoly union, prior authorization, major groups excluded).
2. Yes, with minor restrictions (e.g., recognition procedures, workplace elections, thresholds).
3. Yes. Some values were originally coded as 2.5, QoG has recoded them to missing.

4.82.6 vi_rcbg Right of Collective bargaining, government


0. No.
1. Yes, with major restrictions (e.g., monopoly union, government authorization, limitations on content, major groups excluded).
2. Yes, with minor restrictions (e.g., registration, thresholds, only military, judiciary or police excluded - as per ILO convention).
3. Yes.

4.82.7 vi_rcbm Right of Collective bargaining, market

Right of Collective Bargaining, Market Sector.

0. No.
1. Yes, with major restrictions (e.g. monopoly union, government authorization, limitations on content, major groups excluded).
2. Yes, with minor restrictions (e.g. registration, thresholds).
3. Yes.

N: 36

Min. Year: 1960 Max. Year: 2018
N: 36 n: 1891 \bar{N}: 32 \bar{T}: 53

4.82.8 vi_rsg Right to Strike, government

Right to Strike, Government Sector.

0. No.
1. Yes, with major restrictions (e.g. monopoly union, compulsory arbitration or conciliation, restrictions on issues or content, major groups excluded).
2. Yes, with minor restrictions (e.g. recognized union, balloting, proportionality, respect of peace obligation, only military, judiciary or police excluded - as per ILO convention).
3. Yes.

N: 36

Min. Year: 1960 Max. Year: 2018
N: 36 n: 1891 \bar{N}: 32 \bar{T}: 53

4.82.9 vi_rsm Right to Strike, market

Right to Strike, Market Sector.

0. No.
1. Yes, with major restrictions (e.g. monopoly union, compulsory arbitration or conciliation, restrictions on issues or content, major groups excluded).
2. Yes, with minor restrictions (e.g. recognized union, balloting, proportionality, respect of peace obligation).
3. Yes.

N: 36

Min. Year: 1960 Max. Year: 2018
N: 36 n: 1891 \bar{N}: 32 \bar{T}: 53

4.82.10 vi_udr Union Density Rate

Union density rate, net union membership as a proportion of wage and salary earners in employment (0-100).

328
4.82.11 vi_wcoord Coordination of wage-setting

Coordination of wage-setting.

5. Binding norms regarding maximum or minimum wage rates or wage increases issued as a result of a) centralized bargaining by the central union and employers’ associations, with or without government involvement, or b) unilateral government imposition of wage schedule/freeze, with or without prior consultation and negotiations with unions and/or employers’ associations.

4. Non-binding norms and/or guidelines (recommendations on maximum or minimum wage rates or wage increases) issued by a) the government or government agency, and/or the central union and employers’ associations (together or alone), or b) resulting from an extensive, regularized pattern setting coupled with high degree of union concentration and authority.

3. Procedural negotiation guidelines (recommendations on, for instance, wage demand formula relating to productivity or inflation) issued by a) the government or government agency, and/or the central union and employers’ associations (together or alone), or b) resulting from an extensive, regularized pattern setting coupled with high degree of union concentration and authority.

2. Some coordination of wage setting, based on pattern setting by major companies, sectors, government wage policies in the public sector, judicial awards, or minimum wage policies.

1. Fragmented wage bargaining, confined largely to individual firms or plants, no coordination.

4.82.12 vi_wgi Government intervention in wage bargaining

Government intervention in wage bargaining.

5. The government imposes private sector wage settlements, places a ceiling on bargaining outcomes or suspends bargaining.

4. The government participates directly in wage bargaining (tripartite bargaining, as in social pacts).

3. The government influences wage bargaining outcomes indirectly through price-ceilings, indexation, tax measures, minimum wages, and/or pattern setting through public sector wages.

2. The government influences wage bargaining by providing an institutional framework of consultation and information exchange, by conditional agreement to extend private sector agreements, and/or by providing a conflict resolution mechanism which links the settlement of disputes across the economy and/or allows the intervention of state arbitrators or Parliament.

1. None of the above.
4.82.13 vi_wl The predominant level at which wage bargaining takes place

Level-impact: the predominant level at which wage bargaining takes place in terms of coverage.

5. Bargaining predominantly takes place at central or cross-industry level negotiated at lower levels.
4. Intermediate or alternating between central and industry bargaining.
3. Bargaining predominantly takes place at the sector or industry level.
2. Intermediate or alternating between sector and company bargaining.
1. Bargaining predominantly takes place at the local or company level.

4.83 Institute for Economics & Peace

http://www.visionofhumanity.org/#/page/indexes/terrorism-index
(Institute for Economics and Peace 2018)
(Data downloaded: 2019-10-02)

Global Terrorism Index

The Global Terrorism Index (GTI) is a comprehensive study which accounts for the direct and indirect impact of terrorism in 162 countries in terms of its effect on lives lost, injuries, property damage and the psychological after-effects of terrorism. This study covers 99.6 per cent of the world’s population. It aggregates the most authoritative data source on terrorism today, the Global Terrorism Database (GTD) collated by the National Consortium for the Study of Terrorism and Responses to Terrorism (START) into a composite score in order to provide an ordinal ranking of nations on the negative impact of terrorism. The GTD is unique in that it consists of systematically and comprehensively coded data on domestic as well as international terrorist incidents and now includes more than 140,000 cases.

4.83.1 voh_gti Global Terrorism Index

Global Terrorism Index.
4.84 The World Bank Group

https://info.worldbank.org/governance/wgi/
(Kaufmann et al., 2010)
(Data downloaded: 2019-10-01)

**The Worldwide Governance Indicators**

These indicators are based on several hundred individual variables measuring perceptions of governance, drawn from 31 separate data sources constructed by 25 different organizations. These individual measures of governance are assigned to categories capturing key dimensions of governance. An unobserved component model is used to construct six aggregate governance indicators. Point estimates of the dimensions of governance, the margins of error as well as the number of sources are presented for each country. The governance estimates are normally distributed with a mean of zero and a standard deviation of one each year of measurement. This implies that virtually all scores lie between -2.5 and 2.5, with higher scores corresponding to better outcomes.

Note: Since the estimates are standardized (with a mean of zero and a standard deviation of one) each year of measurement, they are not directly suitable for over-time comparisons within countries. Kaufmann et al. (2006) however find no systematic time-trends in a selection of indicators that do allow for comparisons over time, which suggests that time-series information in the WBGI scores can be used if interpreted with caution.

**4.84.1 wbgi_ccc Control of Corruption, Estimate**

Control of Corruption - Estimate: “Control of Corruption” measures perceptions of corruption, conventionally defined as the exercise of public power for private gain. The particular aspect of corruption measured by the various sources differs somewhat, ranging from the frequency of “additional payments to get things done”, to the effects of corruption on the business environment, to measuring “grand corruption” in the political arena or in the tendency of elite forms to engage in “state capture”.

**4.84.2 wbgi_ccn Control of Corruption, Number of Sources**

Control of Corruption - Number of Sources.
4.84.3 **wbgi_ccs Control of Corruption, Standard Error**

Control of Corruption - Standard Errors.

4.84.4 **wbgi_gge Government Effectiveness, Estimate**

Government Effectiveness - Estimate: "Government Effectiveness" combines into a single grouping responses on the quality of public service provision, the quality of the bureaucracy, the competence of civil servants, the independence of the civil service from political pressures, and the credibility of the government’s commitment to policies. The main focus of this index is on “inputs” required for the government to be able to produce and implement good policies and deliver public goods.

4.84.5 **wbgi_gen Government Effectiveness, Number of Sources**

Government Effectiveness - Number of Sources.

4.84.6 **wbgi_ges Government Effectiveness, Standard Error**

Government Effectiveness - Standard Errors.
4.84.7 wbgi_pve Political Stability and Absence of Violence/Terrorism, Estimate

Political Stability and Absence of Violence- Estimate: “Political Stability and Absence of Violence/Terrorism” measures perceptions of the likelihood of political instability and/or politically-motivated violence, including terrorism.

4.84.8 wbgi_pvn Political Stability and Absence of Violence/Terrorism, Number of Sources

Political Stability and Absence of Violence - Number of Sources.

4.84.9 wbgi_pvs Political Stability and Absence of Violence/Terrorism, Standard Error

Political Stability and Absence of Violence - Standard Errors.

4.84.10 wbgi_rle Rule of Law, Estimate

Rule of Law - Estimate: “Rule of Law” includes several indicators which measure the extent to which agents have confidence in and abide by the rules of society. These include perceptions of the incidence of crime, the effectiveness and predictability of the judiciary, and the enforceability of contracts. Together, these indicators measure the success of a society in developing an environment
in which fair and predictable rules form the basis for economic and social interactions and the extent
to which property rights are protected.

4.84.11 wbgi_rln Rule of Law, Number of Sources
Rule of Law - Number of Sources.

4.84.12 wbgi_rls Rule of Law, Standard Error
Rule of Law - Standard Errors.

4.84.13 wbgi_rqe Regulatory Quality, Estimate
Regulatory Quality - Estimate: “Regulatory Quality” includes measures of the incidence of market-
unfriendly policies such as price controls or inadequate bank supervision, as well as perceptions of the
buiens imposed by excessive regulation in areas such as foreign trade and business development.

4.84.14 wbgi_rqn Regulatory Quality, Number of Sources
Regulatory Quality - Number of Sources.
4.84.15  \texttt{wbgi\textunderscore rqs} Regulatory Quality, Standard Error

Regulatory Quality - Standard Errors.

4.84.16  \texttt{wbgi\textunderscore vae} Voice and Accountability, Estimate

Voice and Accountability - Estimate: “Voice and Accountability” includes a number of indicators measuring various aspects of the political process, civil liberties and political rights. These indicators measure the extent to which citizens of a country are able to participate in the selection of governments. This category also includes indicators measuring the independence of the media, which serves an important role in monitoring those in authority and holding them accountable for their actions.

4.84.17  \texttt{wbgi\textunderscore van} Voice and Accountability, Number of Sources

Voice and Accountability - Number of Sources.

4.84.18  \texttt{wbgi\textunderscore vas} Voice and Accountability, Standard Error

Voice and Accountability - Standard Errors.
4.85 The World Bank Group

World Development Indicators

The primary World Bank collection of development indicators, compiled from officially-recognized international sources.

This is an adaptation of an original work by The World Bank. Views and opinions expressed in the adaptation are the sole responsibility of the author or authors of the adaptation and are not endorsed by The World Bank.

4.85.1 wdi_acel Access to electricity (% of population)

Access to electricity is the percentage of population with access to electricity. Electrification data are collected from industry, national surveys and international sources.

4.85.2 wdi_acelr Access to electricity, rural (% of rural population)

Access to electricity, rural is the percentage of rural population with access to electricity.

4.85.3 wdi_acelu Access to electricity, urban (% of urban population)

Access to electricity, urban is the percentage of urban population with access to electricity.
4.85.4  wdi_afp Armed forces personnel (% of total labor force)

Armed forces personnel are active duty military personnel, including paramilitary forces if the training, organization, equipment, and control suggest they may be used to support or replace regular military forces. Labor force comprises all people who meet the International Labour Organization’s definition of the economically active population.

4.85.5  wdi_afpt Armed forces personnel, total

Armed forces personnel are active duty military personnel, including paramilitary forces if the training, organization, equipment, and control suggest they may be used to support or replace regular military forces.

4.85.6  wdi_agedr Age dependency ratio (% of working-age pop.)

Age dependency ratio is the ratio of dependents—people younger than 15 or older than 64—to the working-age population—those ages 15-64. Data are shown as the proportion of dependents per 100 working-age population.

4.85.7  wdi_agrland Agricultural irrigated land (% of total agricultural land)

Agricultural land refers to the share of land area that is arable, under permanent crops, and under permanent pastures. Arable land includes land defined by the FAO as land under temporary crops
(double-cropped areas are counted once), temporary meadows for mowing or for pasture, land under market or kitchen gardens, and land temporarily fallow. Land abandoned as a result of shifting cultivation is excluded. Land under permanent crops is land cultivated with crops that occupy the land for long periods and need not be replanted after each harvest, such as cocoa, coffee, and rubber. This category includes land under flowering shrubs, fruit trees, nut trees, and vines, but excludes land under trees grown for wood or timber. Permanent pasture is land used for five or more years for forage, including natural and cultivated crops.

**Variable not included in Time-Series Data**

<table>
<thead>
<tr>
<th>Min. Year</th>
<th>Max. Year</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>2016</td>
<td>30</td>
</tr>
</tbody>
</table>

4.85.8 **wdi_ane Alternative and nuclear energy (% of total energy use)**

Clean energy is noncarbohydrate energy that does not produce carbon dioxide when generated. It includes hydropower and nuclear, geothermal, and solar power, among others.

<table>
<thead>
<tr>
<th>Min. Year</th>
<th>Max. Year</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>2015</td>
<td>36</td>
</tr>
</tbody>
</table>

4.85.9 **wdi_araland Arable land (% of land area)**

Arable land includes land defined by the FAO as land under temporary crops (double-cropped areas are counted once), temporary meadows for mowing or for pasture, land under market or kitchen gardens, and land temporarily fallow. Land abandoned as a result of shifting cultivation is excluded.

<table>
<thead>
<tr>
<th>Min. Year</th>
<th>Max. Year</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>2016</td>
<td>36</td>
</tr>
</tbody>
</table>

4.85.10 **wdi_area Land area (sq. km)**

Land area is a country’s total area, excluding area under inland water bodies, national claims to continental shelf, and exclusive economic zones. In most cases the definition of inland water bodies includes major rivers and lakes.
4.85.11  wdi_armexp Arms exports (SIPRI trend indicator values)

Exports - Arms transfers cover the supply of military weapons through sales, aid, gifts, and those made through manufacturing licenses. Data cover major conventional weapons such as aircraft, armored vehicles, artillery, radar systems, missiles, and ships designed for military use. Excluded are transfers of other military equipment such as small arms and light weapons, trucks, small artillery, ammunition, support equipment, technology transfers, and other services.

4.85.12  wdi_armimp Arms imports (SIPRI trend indicator values)

Imports - Arms transfers cover the supply of military weapons through sales, aid, gifts, and those made through manufacturing licenses. Data cover major conventional weapons such as aircraft, armored vehicles, artillery, radar systems, missiles, and ships designed for military use. Excluded are transfers of other military equipment such as small arms and light weapons, trucks, small artillery, ammunition, support equipment, technology transfers, and other services.

4.85.13  wdi_birth Birth rate, crude (per 1,000 people)

Crude birth rate indicates the number of live births occurring during the year, per 1,000 population estimated at midyear. Subtracting the crude death rate from the crude birth rate provides the rate of natural increase, which is equal to the rate of population change in the absence of migration.
4.85.14  wdi_birthreg Completeness of birth registration (%)
Completeness of birth registration is the percentage of children under age 5 whose births were registered at the time of the survey. The numerator of completeness of birth registration includes children whose birth certificate was seen by the interviewer or whose mother or caretaker says the birth has been registered.

Min. Year: 2013  Max. Year: 2018
N: 33

4.85.15  wdi_birthskill Births attended by skilled health staff (% of total)
Births attended by skilled health staff are the percentage of deliveries attended by personnel trained to give the necessary supervision, care, and advice to women during pregnancy, labor, and the postpartum period; to conduct deliveries on their own; and to care for newborns.

N: 34  n: 558  N: 18  T: 16

4.85.16  wdi_broadb Fixed broadband subscriptions (per 100 people)
Fixed broadband subscriptions refers to fixed subscriptions to high-speed access to the public Internet (a TCP/IP connection), at downstream speeds equal to, or greater than, 256 kbit/s. This includes cable modem, DSL, fiber-to-the-home/building, other fixed (wired)-broadband subscriptions, satellite broadband and terrestrial fixed wireless broadband. This total is measured irrespective of the method of payment. It excludes subscriptions that have access to data communications (including the Internet) via mobile-cellular networks. It should include fixed WiMAX and any other fixed wireless technologies. It includes both residential subscriptions and subscriptions for organizations.

Min. Year: 2014  Max. Year: 2018
N: 36

4.85.17  wdi_busden New business density (new registrations per 1,000 people ages 15-64)
New businesses registered are the number of new limited liability corporations registered in the calendar year.

Min. Year: 1998  Max. Year: 2018
N: 36  n: 684  N: 33  T: 19
4.85.18  wdi_chexppgdp Current health expenditure (% of GDP)
Current health expenditure (% of GDP). Level of current health expenditure expressed as a percentage of GDP. Estimates of current health expenditures include healthcare goods and services consumed during each year. This indicator does not include capital health expenditures such as buildings, machinery, IT and stocks of vaccines for emergency or outbreaks.

4.85.19  wdi_co2 CO2 emissions (metric tons per capita)
Carbon dioxide emissions are those stemming from the burning of fossil fuels and the manufacture of cement. They include carbon dioxide produced during consumption of solid, liquid, and gas fuels and gas flaring.

4.85.20  wdi_death Death rate, crude (per 1,000 people)
Crude death rate indicates the number of deaths occurring during the year, per 1,000 population estimated at midyear. Subtracting the crude death rate from the crude birth rate provides the rate of natural increase, which is equal to the rate of population change in the absence of migration.

4.85.21  wdi_dgovhexp Domestic general government health expenditure (% of GDP)
Domestic general government health expenditure (% of GDP). Public expenditure on health from domestic sources as a share of the economy as measured by GDP.
4.85.22  *wdi_dprivhexp* Domestic private health expenditure (% of current health expenditure)

Domestic private health expenditure (% of current health expenditure). Share of current health expenditures funded from domestic private sources. Domestic private sources include funds from households, corporations and non-profit organizations. Such expenditures can be either prepaid to voluntary health insurance or paid directly to healthcare providers.

4.85.23  *wdi_eduprp* School enrollment, primary, private (% of total primary)

Percentage of enrollment in primary education in private institutions (%)

4.85.24  *wdi_eduprs* School enrollment, secondary, private (% of total secondary)

Percentage of enrollment in secondary education in private institutions (%)

4.85.25  *wdi_elerenew* Renewable electricity output (% of total electricity output)

Renewable electricity is the share of electricity generated by renewable power plants in total electricity generated by all types of plants.
4.85.26  \textit{wdi}\_elpro\_coal} Electric\_\textit{pro\_dcoal} Electric\_\textit{production from coal sources (\% of total)\textit{}}
Sources of electricity refer to the inputs used to generate electricity. Coal refers to all coal and brown coal, both primary (including hard coal and lignite-brown coal) and derived fuels (including patent fuel, coke oven coke, gas coke, coke oven gas, and blast furnace gas). Peat is also included in this category.

4.85.27  \textit{wdi}\_elpro\_gas} Electric\_\textit{pro\_dgas} Electric\_\textit{production from natural gas sources (\% of total)\textit{}}
Sources of electricity refer to the inputs used to generate electricity. Gas refers to natural gas but excludes natural gas liquids.

4.85.28  \textit{wdi}\_elpro\_hyd} Electric\_\textit{pro\_dyd} Electric\_\textit{production from hydroelectric sources (\% of total)\textit{}}
Sources of electricity refer to the inputs used to generate electricity. Hydropower refers to electricity produced by hydroelectric power plants.

4.85.29  \textit{wdi}\_elpro\_nuc} Electric\_\textit{pro\_dnuc} Electric\_\textit{production from nuclear sources (\% of total)\textit{}}
Sources of electricity refer to the inputs used to generate electricity. Nuclear power refers to electricity produced by nuclear power plants.
4.85.30  wdi_elprodoil Electricity production from oil sources (% of total)
Sources of electricity refer to the inputs used to generate electricity. Oil refers to crude oil and petroleum products.

4.85.31  wdi_emp Employers, total (% of total employment) (modeled ILO)
Employers refer are those workers who, working on their own account or with one or a few partners, hold the type of jobs defined as a “self-employment jobs” i.e. jobs where the remuneration is directly dependent upon the profits derived from the goods and services produced, and, in this capacity, have engaged, on a continuous basis, one or more persons to work for them as employee(s). Modeled ILO estimate.

4.85.32  wdi_empagr Employment in agriculture (% of total employment) (modeled ILO)
Employment in agriculture as a percentage of all employment. Employment is defined as persons of working age who were engaged in any activity to produce goods or provide services for pay or profit, whether at work during the reference period or not at work due to temporary absence from a job, or to working-time arrangement. The agriculture sector consists of activities in agriculture, hunting, forestry and fishing, in accordance with division 1 (ISIC 2) or categories A-B (ISIC 3) or category A (ISIC 4). Modeled ILO estimate.
4.85.33  wdi_empagrf Employment in agriculture, female (% female employment) (modeled ILO)

Female employment in agriculture as a percentage of all female employment. Employment is defined as persons of working age who were engaged in any activity to produce goods or provide services for pay or profit, whether at work during the reference period or not at work due to temporary absence from a job, or to working-time arrangement. The agriculture sector consists of activities in agriculture, hunting, forestry and fishing, in accordance with division 1 (ISIC 2) or categories A-B (ISIC 3) or category A (ISIC 4). Modeled ILO estimate.

N: 36

Min. Year: 1991  Max. Year: 2018
N: 36  n: 1001  N: 36  T: 28

4.85.34  wdi_empagrm Employment in agriculture, male (% male employment) (modeled ILO)

Male employment in agriculture as a percentage of all male employment. Employment is defined as persons of working age who were engaged in any activity to produce goods or provide services for pay or profit, whether at work during the reference period or not at work due to temporary absence from a job, or to working-time arrangement. The agriculture sector consists of activities in agriculture, hunting, forestry and fishing, in accordance with division 1 (ISIC 2) or categories A-B (ISIC 3) or category A (ISIC 4). Modeled ILO estimate.

N: 36

Min. Year: 1991  Max. Year: 2018
N: 36  n: 1001  N: 36  T: 28

4.85.35  wdi_empf Employers, female (% of female employment) (modeled ILO)

Employers refers to those workers who, working on their own account or with one or a few partners, hold the type of jobs defined as a “self-employment jobs” i.e. jobs where the remuneration is directly dependent upon the profits derived from the goods and services produced, and, in this capacity, have engaged, on a continuous basis, one or more persons to work for them as employee(s). Modeled ILO estimate.

N: 36

Min. Year: 1991  Max. Year: 2018
N: 36  n: 1001  N: 36  T: 28

4.85.36  wdi_empind Employment in industry (% of total employment) (modeled ILO)

Employment in industry as a percentage of all employment. Employment is defined as persons of working age who were engaged in any activity to produce goods or provide services for pay or profit,
whether at work during the reference period or not at work due to temporary absence from a job, or to working-time arrangement. The industry sector consists of mining and quarrying, manufacturing, construction, and public utilities (electricity, gas, and water), in accordance with divisions 2-5 (ISIC 2) or categories C-F (ISIC 3) or categories B-F (ISIC 4). Modeled ILO estimate.

**4.85.37 wdi_empindf Employment in industry, female (% female employment) (modeled ILO)**

Female employment in industry as a percentage of all female employment. Employment is defined as persons of working age who were engaged in any activity to produce goods or provide services for pay or profit, whether at work during the reference period or not at work due to temporary absence from a job, or to working-time arrangement. The industry sector consists of mining and quarrying, manufacturing, construction, and public utilities (electricity, gas, and water), in accordance with divisions 2-5 (ISIC 2) or categories C-F (ISIC 3) or categories B-F (ISIC 4). Modeled ILO estimate.

**4.85.38 wdi_empindm Employment in industry, male (% of male employment) (modeled ILO)**

Male employment in industry as a percentage of all male employment. Employment is defined as persons of working age who were engaged in any activity to produce goods or provide services for pay or profit, whether at work during the reference period or not at work due to temporary absence from a job, or to working-time arrangement. The industry sector consists of mining and quarrying, manufacturing, construction, and public utilities (electricity, gas, and water), in accordance with divisions 2-5 (ISIC 2) or categories C-F (ISIC 3) or categories B-F (ISIC 4). Modeled ILO estimate.

**4.85.39 wdi_empm Employers, male (% of male employment) (modeled ILO)**

Employers refers are those workers who, working on their own account or with one or a few partners, hold the type of jobs defined as a “self-employment jobs” i.e. jobs where the remuneration is directly dependent upon the profits derived from the goods and services produced, and, in this capacity, have engaged, on a continuous basis, one or more persons to work for them as employee(s). Modeled ILO estimate.
4.85.40  \textit{wdi\_empprilo} Employment to population ratio, 15+, female (%) (modeled ILO)

Employment to population ratio, 15+, female (%) (ILO estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15 and older are generally considered the working-age population.

4.85.41  \textit{wdi\_empprfn} Employment to population ratio, 15+, female (%) (national est.)

Employment to population ratio, 15+, female (%) (National estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15 and older are generally considered the working-age population.

4.85.42  \textit{wdi\_empprilo} Employment to population ratio, 15+, total (%) (modeled ILO)

Employment to population ratio, 15+, total (%) (ILO estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15 and older are generally considered the working-age population.
Employment to population ratio, 15+, male (%) (modeled ILO)

Employment to population ratio, 15+, male (%) (ILO estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15 and older are generally considered the working-age population.

N: 36

Min. Year: 1991 Max. Year: 2018
N: 36 n: 1001 N: 36 T: 28

Employment to population ratio, 15+, male (%) (national est.)

Employment to population ratio, 15+, male (%) (National estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15 and older are generally considered the working-age population.

Min. Year: 2013 Max. Year: 2018
N: 36

Min. Year: 1960 Max. Year: 2018
N: 36 n: 1258 N: 21 T: 35

Employment to population ratio, 15+, total (%) (national est.)

Employment to population ratio, 15+, total (%) (National estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15 and older are generally considered the working-age population.

Min. Year: 2013 Max. Year: 2018
N: 36

Min. Year: 1960 Max. Year: 2018
N: 36 n: 1259 N: 21 T: 35

Employment to population ratio, ages 15-24, female % (modeled ILO)

Employment to population ratio, ages 15-24, female (%) (ILO estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15-24 are generally considered the youth population.
4.85.47  wdi_emppryfne Employment to population ratio, ages 15-24, female % (national est.)
Employment to population ratio, ages 15-24, female (%) (National estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15-24 are generally considered the youth population.

4.85.48  wdi_emppryilo Employment to population ratio, ages 15-24, total % (modeled ILO)
Employment to population ratio, ages 15-24, total (%) (ILO estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15-24 are generally considered the youth population.

4.85.49  wdi_empprymilo Employment to population ratio, ages 15-24, male % (modeled ILO)
Employment to population ratio, ages 15-24, male (%) (ILO estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15-24 are generally considered the youth population.
4.85.50  wdi_empempryd Employment to population ratio, ages 15-24, male % (national est.)

Employment to population ratio, ages 15-24, male (%) (National estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15-24 are generally considered the youth population.

4.85.51  wdi_emppryne Employment to population ratio, ages 15-24, total % (national est.)

Employment to population ratio, ages 15-24, total (%) (National estimation). Employment to population ratio is the proportion of a country’s population that is employed. Ages 15-24 are generally considered the youth population.

4.85.52  wdi_empser Employment in services (% of total employment) (modeled ILO)

Total employment in services as percentage of total employment. Employment is defined as persons of working age who were engaged in any activity to produce goods or provide services for pay or profit, whether at work during the reference period or not at work due to temporary absence from a job, or to working-time arrangement. The services sector consists of wholesale and retail trade and restaurants and hotels; transport, storage, and communications; financing, insurance, real estate, and business services; and community, social, and personal services, in accordance with divisions 6-9 (ISIC 2) or categories G-Q (ISIC 3) or categories G-U (ISIC 4). Modeled ILO estimate.

4.85.53  wdi_empsrf Employment in services, female (% of female employment) (modeled ILO)

Female employment in services (% of female employment). Employment is defined as persons of working age who were engaged in any activity to produce goods or provide services for pay or profit, whether at work during the reference period or not at work due to temporary absence from a job, or to working-time arrangement. The services sector consists of wholesale and retail trade and restaurants and hotels; transport, storage, and communications; financing, insurance, real estate, and business
services; and community, social, and personal services, in accordance with divisions 6-9 (ISIC 2) or categories G-Q (ISIC 3) or categories G-U (ISIC 4). Modeled ILO estimate.

4.85.54 wdi_empserm Employment in services, male (% of male employment) (modeled ILO)

Male employment in services (% of male employment). Employment is defined as persons of working age who were engaged in any activity to produce goods or provide services for pay or profit, whether at work during the reference period or not at work due to temporary absence from a job, or to working-time arrangement. The services sector consists of wholesale and retail trade and restaurants and hotels; transport, storage, and communications; financing, insurance, real estate, and business services; and community, social, and personal services, in accordance with divisions 6-9 (ISIC 2) or categories G-Q (ISIC 3) or categories G-U (ISIC 4). Modeled ILO estimate.

4.85.55 wdi_eneimp Energy imports, net (% of energy use)

Net energy imports are estimated as energy use less production, both measured in oil equivalents. A negative value indicates that the country is a net exporter. Energy use refers to use of primary energy before transformation to other end-use fuels, which is equal to indigenous production plus imports and stock changes, minus exports and fuels supplied to ships and aircraft engaged in international transport.

4.85.56 wdi_enerenew Renewable energy consumption (% of total final energy consumption)

Renewable energy consumption is the share of renewables energy in total final energy consumption.
4.85.57  wdi_enuse Energy use (kg of oil equivalent per capita)

Energy use refers to use of primary energy before transformation to other end-use fuels, which is equal to indigenous production plus imports and stock changes, minus exports and fuels supplied to ships and aircraft engaged in international transport.

4.85.58  wdi_eodb Ease of doing business index (1=most business-friendly regulations)

Ease of doing business ranks economies from 1 to 189, with first place being the best. A high ranking (a low numerical rank) means that the regulatory environment is conducive to business operation. The index averages the country’s percentile rankings on 10 topics covered in the World Bank’s Doing Business. The ranking on each topic is the simple average of the percentile rankings on its component indicators.

4.85.59  wdi_expedu Government expenditure on education, total (% of GDP)

General government expenditure on education (current, capital, and transfers) is expressed as a percentage of GDP. It includes expenditure funded by transfers from international sources to government. General government usually refers to local, regional and central governments.

Note: The value for Tuvalu in 1997 has been recoded to missing due to an extreme and very unlikely value.
4.85.60  wdi_expeduge Government expenditure on education, total (% of government expenditure)

Total general (local, regional and central) government expenditure on education (current, capital, and transfers), expressed as a percentage of total general government expenditure on all sectors (including health, education, social services, etc.). It includes expenditure funded by transfers from international sources to government. Public education expenditure includes spending by local/municipal, regional and national governments (excluding household contributions) on educational institutions (both public and private), education administration, and subsidies for private entities (students/households and other private entities). In some instances data on total public expenditure on education refers only to the ministry of education and can exclude other ministries that spend a part of their budget on educational activities. The indicator is calculated by dividing total public expenditure on education incurred by all government agencies/departments by the total government expenditure and multiplying by 100. For more information, consult the UNESCO Institute of Statistics website: http://www.uis.unesco.org/Education/


4.85.61  wdi_expedup Expenditure on primary education (% of government expenditure on edu.)

Expenditure on Primary education, expressed as a percentage of total general government expenditure on education. Divide government expenditure on a given level of education (ex. primary, secondary) by total government expenditure on education (all levels combined), and multiply by 100. A high percentage of government expenditure on education spent on a given level denotes a high priority given to that level compared to others. When interpreting this indicator, one should take into account enrollment at that level, and the relative costs per student between different levels of education. For more information, consult the UNESCO Institute of Statistics website: http://www.uis.unesco.org/Education/


4.85.62  wdi_expedus Expenditure on secondary education (% of government expenditure on edu.)

Expenditure on Secondary education, expressed as a percentage of total general government expenditure on education. Divide government expenditure on a given level of education (ex. primary, secondary) by total government expenditure on education (all levels combined), and multiply by 100. A high percentage of government expenditure on education spent on a given level denotes a high priority given to that level compared to others. When interpreting this indicator, one should take into account enrollment at that level, and the relative costs per student between different levels of education. For more information, consult the UNESCO Institute of Statistics website: http://www.uis.unesco.org/Education/
4.85.63 **wdi_expedut** Expenditure on tertiary education (% of government expenditure on edu.)

Expenditure on Tertiary education, expressed as a percentage of total general government expenditure on education. Divide government expenditure on a given level of education (e.g., primary, secondary) by total government expenditure on education (all levels combined), and multiply by 100. A high percentage of government expenditure on education spent on a given level denotes a high priority given to that level compared to others. When interpreting this indicator, one should take into account enrollment at that level, and the relative costs per student between different levels of education. For more information, consult the UNESCO Institute of Statistics website: http://www.uis.unesco.org/Education/

4.85.64 **wdi_expmil** Military expenditure (% of GDP)

Military expenditure (% of GDP). Military expenditures data from SIPRI are derived from the NATO definition, which includes all current and capital expenditures on the armed forces, including peacekeeping forces; defense ministries and other government agencies engaged in defense projects; paramilitary forces, if these are judged to be trained and equipped for military operations; and military space activities. Such expenditures include military and civil personnel, including retirement pensions of military personnel and social services for personnel; operation and maintenance; procurement; military research and development; and military aid (in the military expenditures of the donor country). Excluded are civil defense and current expenditures for previous military activities, such as for veterans’ benefits, demobilization, conversion, and destruction of weapons. This definition cannot be applied for all countries, however, since that would require much more detailed information than is available about what is included in military budgets and off-budget military expenditure items. (For example, military budgets might or might not cover civil defense, reserves and auxiliary forces, police and paramilitary forces, dual-purpose forces such as military and civilian police, military grants in kind, pensions for military personnel, and social security contributions paid by one part of government to another).
4.85.65  **wdi_expmilge Military expenditure (% of general government expenditure)**

Military expenditure (% of central government expenditure). Military expenditures data from SIPRI are derived from the NATO definition, which includes all current and capital expenditures on the armed forces, including peacekeeping forces; defense ministries and other government agencies engaged in defense projects; paramilitary forces, if these are judged to be trained and equipped for military operations; and military space activities. Such expenditures include military and civil personnel, including retirement pensions of military personnel and social services for personnel; operation and maintenance; procurement; military research and development; and military aid (in the military expenditures of the donor country). Excluded are civil defense and current expenditures for previous military activities, such as for veterans' benefits, demobilization, conversion, and destruction of weapons. This definition cannot be applied for all countries, however, since that would require much more detailed information than is available about what is included in military budgets and off-budget military expenditure items. (For example, military budgets might or might not cover civil defense, reserves and auxiliary forces, police and paramilitary forces, dual-purpose forces such as military and civilian police, military grants in kind, pensions for military personnel, and social security contributions paid by one part of government to another.)

![Graph](image1)

Min. Year: 2013  Max. Year: 2017
N: 36

Min. Year: 1988  Max. Year: 2018
N: 36  n: 1001  N: 32  T: 28

4.85.66  **wdi_export Exports of goods and services (% of GDP)**

Exports of goods and services represent the value of all goods and other market services provided to the rest of the world. They include the value of merchandise, freight, insurance, transport, travel, royalties, license fees, and other services, such as communication, construction, financial, information, business, personal, and government services. They exclude compensation of employees and investment income (formerly called factor services) and transfer payments.

![Graph](image2)

N: 36

Min. Year: 1960  Max. Year: 2018
N: 36  n: 1797  N: 30  T: 50

4.85.67  **wdi_expstup Government expenditure per student, primary (% of GDP per capita)**

Government expenditure per student is the average general government expenditure (current, capital, and transfers) per student in the primary level of education, expressed as a percentage of GDP per capita.

![Graph](image3)

Min. Year: 2013  Max. Year: 2018
N: 33

Min. Year: 1995  Max. Year: 2017
N: 35  n: 467  N: 20  T: 13
4.85.68  wdi_expstus Government expenditure per student, secondary (% of GDP per capita)

Government expenditure per student is the average general government expenditure (current, capital, and transfers) per student in the secondary level of education, expressed as a percentage of GDP per capita.

Min. Year: 2013 Max. Year: 2018
N: 31

Min. Year: 1995 Max. Year: 2017
N: 34 n: 463 N: 20 T: 14

4.85.69  wdi_expstut Government expenditure per student, tertiary (% of GDP per capita)

Government expenditure per student is the average general government expenditure (current, capital, and transfers) per student in the given tertiary of education, expressed as a percentage of GDP per capita.

Min. Year: 2013 Max. Year: 2018
N: 32

Min. Year: 1995 Max. Year: 2017
N: 35 n: 480 N: 21 T: 14

4.85.70  wdi_fdiin Foreign direct investment, net inflows (% of GDP)

Foreign direct investment are the net inflows of investment to acquire a lasting management interest (10 percent or more of voting stock) in an enterprise operating in an economy other than that of the investor. It is the sum of equity capital, reinvestment of earnings, other long-term capital, and short-term capital as shown in the balance of payments. This series shows net inflows (new investment inflows less disinvestment) in the reporting economy from foreign investors, and is divided by GDP.

N: 36

Min. Year: 1970 Max. Year: 2018
N: 36 n: 1449 N: 30 T: 40

4.85.71  wdi_fdiout Foreign direct investment, net outflows (% of GDP)

Foreign direct investment are the net outflows of investment to acquire a lasting management interest (10 percent or more of voting stock) in an enterprise operating in an economy other than that of the investor. It is the sum of equity capital, reinvestment of earnings, other long-term capital, and short-term capital as shown in the balance of payments. This series shows net outflows of investment from the reporting economy to the rest of the world and is divided by GDP.
4.85.72  **wdi_fertility** Fertility rate, total (births per woman)

Total fertility rate represents the number of children that would be born to a woman if she were to live to the end of her childbearing years and bear children in accordance with age-specific fertility rates of the specified year.

4.85.73  **wdi_forest** Forest area (% of land area)

Forest area is land under natural or planted stands of trees of at least 5 meters in situ, whether productive or not, and excludes tree stands in agricultural production systems (for example, in fruit plantations and agroforestry systems) and trees in urban parks and gardens.

4.85.74  **wdi_fossil** Fossil fuel energy consumption (% of total)

Fossil fuel comprises coal, oil, petroleum, and natural gas products.

4.85.75  **wdi_gdpagr** Agriculture, forestry, and fishing, value added (% of GDP)

Agriculture corresponds to ISIC divisions 1-5 and includes forestry, hunting, and fishing, as well as cultivation of crops and livestock production. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The origin of
value added is determined by the International Standard Industrial Classification (ISIC), revision 3 or 4.

4.85.76  wdi_gdp_cap_con GDP per capita (constant 2010 US dollar)

GDP per capita is gross domestic product divided by midyear population. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in constant 2010 U.S. dollars.

4.85.77  wdi_gdp_cap_cur GDP per capita (current US dollar)

GDP per capita is gross domestic product divided by midyear population. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in current U.S. dollars.

4.85.78  wdi_gdp_cap_gr GDP per capita growth (annual %)

Annual percentage growth rate of GDP per capita based on constant local currency. Aggregates are based on constant 2010 U.S. dollars. GDP per capita is gross domestic product divided by midyear population. GDP at purchaser’s prices is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources.
4.85.79 \text{wdi\_gdpcappppcon2011 GDP per capita, PPP (constant 2011 international dollar)}

GDP per capita based on purchasing power parity (PPP). PPP GDP is gross domestic product converted to international dollars using purchasing power parity rates. An international dollar has the same purchasing power over GDP as the U.S. dollar has in the United States. GDP at purchaser’s prices is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in constant 2011 international dollars.

4.85.80 \text{wdi\_gdpcappppcur GDP per capita, PPP (current international dollar)}

GDP per capita based on purchasing power parity (PPP). PPP GDP is gross domestic product converted to international dollars using purchasing power parity rates. An international dollar has the same purchasing power over GDP as the U.S. dollar has in the United States. GDP at purchaser’s prices is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in current international dollars based on the 2011 ICP round.

4.85.81 \text{wdi\_gdpgrowth} GDP growth (annual %)

Annual percentage growth rate of GDP at market prices based on constant local currency. Aggregates are based on constant 2010 U.S. dollars. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources.
4.85.82  wdi_gdpind Industry (including construction), value added (% of GDP)

Industry corresponds to ISIC divisions 10-45 and includes manufacturing (ISIC divisions 15-37). It comprises value added in mining, manufacturing (also reported as a separate subgroup), construction, electricity, water, and gas. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The origin of value added is determined by the International Standard Industrial Classification (ISIC), revision 3. Note: For VAB countries, gross value added at factor cost is used as the denominator.

4.85.83  wdi_gdp_pppcon2011 GDP, PPP (constant 2011 international dollar)

PPP GDP is gross domestic product converted to international dollars using purchasing power parity rates. An international dollar has the same purchasing power over GDP as the U.S. dollar has in the United States. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in constant 2011 international dollars.

4.85.84  wdi_gdp_pppcur GDP, PPP (current international dollar)

GDP per capita based on purchasing power parity (PPP). PPP GDP is gross domestic product converted to international dollars using purchasing power parity rates. An international dollar has the same purchasing power over GDP as the U.S. dollar has in the United States. GDP at purchaser’s prices is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in current international dollars based on the 2011 ICP round.
4.85.85  **wdi_gerp** School enrollment, primary (% gross)

Total enrollment in primary education, regardless of age, expressed as a percentage of the population of official primary education age. GER can exceed 100% due to the inclusion of over-aged and under-aged students because of early or late school entrance and grade repetition.

4.85.86  **wdi_gerpf** School enrollment, primary, female (% gross)

Total female enrollment in primary education, regardless of age, expressed as a percentage of the total female population of official primary education age. GER can exceed 100% due to the inclusion of over-aged and under-aged students because of early or late school entrance and grade repetition.

4.85.87  **wdi_gerpm** School enrollment, primary, male (% gross)

Total male enrollment in primary education, regardless of age, expressed as a percentage of the total male population of official primary education age. GER can exceed 100% due to the inclusion of over-aged and under-aged students because of early or late school entrance and grade repetition.

4.85.88  **wdi_gerpp** School enrollment, preprimary (% gross)

Total enrollment in pre-primary education, regardless of age, expressed as a percentage of the total population of official pre-primary education age. GER can exceed 100% due to the inclusion of over-aged and under-aged students because of early or late school entrance and grade repetition.
4.85.89  wdi_gerppf School enrollment, preprimary, female (% gross)

Total female enrollment in pre-primary education, regardless of age, expressed as a percentage of the total female population of official pre-primary education age. GER can exceed 100% due to the inclusion of over-aged and under-aged students because of early or late school entrance and grade repetition.

4.85.90  wdi_gerppm School enrollment, preprimary, male (% gross)

Total male enrollment in pre-primary education, regardless of age, expressed as a percentage of the total male population of official pre-primary education age. GER can exceed 100% due to the inclusion of over-aged and under-aged students because of early or late school entrance and grade repetition.

4.85.91  wdi_gers School enrollment, secondary (% gross)

Total enrollment in secondary education, regardless of age, expressed as a percentage of the population of official secondary education age. GER can exceed 100% due to the inclusion of over-aged and under-aged students because of early or late school entrance and grade repetition.

4.85.92  wdi_gersf School enrollment, secondary, female (% gross)

Total female enrollment in secondary education, regardless of age, expressed as a percentage of the female population of official secondary education age. GER can exceed 100% due to the inclusion of
over-aged and under-aged students because of early or late school entrance and grade repetition.

4.85.93  wdi_gersm School enrollment, secondary, male (% gross)
Total male enrollment in secondary education, regardless of age, expressed as a percentage of the male population of official secondary education age. GER can exceed 100% due to the inclusion of over-aged and under-aged students because of early or late school entrance and grade repetition.

4.85.94  wdi_gert School enrollment, tertiary (% gross)
Total enrollment in tertiary education (ISCED 5 to 8), regardless of age, expressed as a percentage of the total population of the five-year age group following on from secondary school leaving.

4.85.95  wdi_gertf School enrollment, tertiary, female (% gross)
Total female enrollment in tertiary education (ISCED 5 to 8), regardless of age, expressed as a percentage of the total female population of the five-year age group following on from secondary school leaving.

4.85.96  wdi_gertm School enrollment, tertiary, male (% gross)
Total male enrollment in tertiary education (ISCED 5 to 8), regardless of age, expressed as a percentage of the total male population of the five-year age group following on from secondary school
4.85.97 wdi_gini GINI index (World Bank estimate)

Gini index measures the extent to which the distribution of income (or, in some cases, consumption expenditure) among individuals or households within an economy deviates from a perfectly equal distribution. A Lorenz curve plots the cumulative percentages of total income received against the cumulative number of recipients, starting with the poorest individual or household. The Gini index measures the area between the Lorenz curve and a hypothetical line of absolute equality, expressed as a percentage of the maximum area under the line. Thus a Gini index of 0 represents perfect equality, while an index of 100 implies perfect inequality.

4.85.98 wdi_gniatlc0r GNI, Atlas method (current US dollar)

GNI (formerly GNP) is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. Data are in current U.S. dollars. GNI, calculated in national currency, is usually converted to U.S. dollars at official exchange rates for comparisons across economies, although an alternative rate is used when the official exchange rate is judged to diverge by an exceptionally large margin from the rate actually applied in international transactions. To smooth fluctuations in prices and exchange rates, a special Atlas method of conversion is used by the World Bank. This applies a conversion factor that averages the exchange rate for a given year and the two preceding years, adjusted for differences in rates of inflation between the country, and through 2000, the G-5 countries (France, Germany, Japan, the United Kingdom, and the United States). From 2001, these countries include the Euro area, Japan, the United Kingdom, and the United States.

4.85.99 wdi_gnicapaticur GNI per capita, Atlas method (current US dollar)

GNI per capita (formerly GNP per capita) is the gross national income, converted to U.S. dollars using the World Bank Atlas method, divided by the midyear population. GNI is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income)
from abroad. GNI, calculated in national currency, is usually converted to U.S. dollars at official exchange rates for comparisons across economies, although an alternative rate is used when the official exchange rate is judged to diverge by an exceptionally large margin from the rate actually applied in international transactions. To smooth fluctuations in prices and exchange rates, a special Atlas method of conversion is used by the World Bank. This applies a conversion factor that averages the exchange rate for a given year and the two preceding years, adjusted for differences in rates of inflation between the country, and through 2000, the G-5 countries (France, Germany, Japan, the United Kingdom, and the United States). From 2001, these countries include the Euro area, Japan, the United Kingdom, and the United States.

4.85.100  wdi_gnicapcon2010 GNI per capita (constant 2010 US dollar)
GNI per capita is gross national income divided by midyear population. GNI (formerly GNP) is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. Data are in constant 2010 U.S. dollars.

4.85.101  wdi_gnicapgr GNI per capita growth (annual %)
Annual percentage growth rate of GNI per capita based on constant local currency. Aggregates are based on constant 2010 U.S. dollars. GNI per capita is gross national income divided by midyear population. GNI (formerly GNP) is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad.

4.85.102  wdi_gnicappppcon2011 GNI per capita, PPP (constant 2011 international dollar)
GNI per capita based on purchasing power parity (PPP). PPP GNI is gross national income (GNI) converted to international dollars using purchasing power parity rates. An international dollar has the same purchasing power over GNI as a U.S. dollar has in the United States. GNI is the sum
of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. Data are in constant 2011 international dollars.

4.85.103  wdi_gnicappppcur GNI per capita, PPP (current international dollar)
GNI per capita based on purchasing power parity (PPP). PPP GNI is gross national income (GNI) converted to international dollars using purchasing power parity rates. An international dollar has the same purchasing power over GNI as a U.S. dollar has in the United States. GNI is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. Data are in current international dollars based on the 2011 ICP round.

4.85.104  wdi_gnicon2010 GNI (constant 2010 US dollar)
GNI (formerly GNP) is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. Data are in constant 2010 U.S. dollars.

4.85.105  wdi_gniceur GNI (current US dollar)
GNI (formerly GNP) is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. Data are in current U.S. dollars.
4.85.106  **wdi_gnigr**  GNI growth (annual %)

GNI (formerly GNP) is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad.

4.85.107  **wdi_gnippcon2011** GNI, PPP (constant 2011 international dollar)

PPP GNI (formerly PPP GNP) is gross national income (GNI) converted to international dollars using purchasing power parity rates. An international dollar has the same purchasing power over GNI as a U.S. dollar has in the United States. Gross national income is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. Data are in constant 2011 international dollars.

4.85.108  **wdi_gnippceur** GNI, PPP (current international dollar)

PPP GNI (formerly PPP GNP) is gross national income (GNI) converted to international dollars using purchasing power parity rates. An international dollar has the same purchasing power over GNI as a U.S. dollar has in the United States. Gross national income is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. Data are in current international dollars. For most economies PPP figures are extrapolated from the 2011 International Comparison Program (ICP) benchmark estimates or imputed using a statistical model based on the 2011 ICP. For 47 high- and upper middle-income economies conversion factors are provided by Eurostat and the Organisation for Economic Co-operation and Development (OECD).
4.85.109 \textit{wdi\_homicides} \textbf{Intentional homicides (per 100,000 people)}

Intentional homicides are estimates of unlawful homicides purposely inflicted as a result of domestic disputes, interpersonal violence, violent conflicts over land resources, intergang violence over turf or control, and predatory violence and killing by armed groups. Intentional homicide does not include all intentional killing; the difference is usually in the organization of the killing. Individuals or small groups usually commit homicide, whereas killing in armed conflict is usually committed by fairly cohesive groups of up to several hundred members and is thus usually excluded.

4.85.110 \textit{wdi\_homicidesf} \textbf{Intentional homicides, female (per 100,000 female)}

Intentional homicides, female (per 100,000 female). Intentional homicides, female are estimates of unlawful female homicides purposely inflicted as a result of domestic disputes, interpersonal violence, violent conflicts over land resources, intergang violence over turf or control, and predatory violence and killing by armed groups. Intentional homicide does not include all intentional killing; the difference is usually in the organization of the killing. Individuals or small groups usually commit homicide, whereas killing in armed conflict is usually committed by fairly cohesive groups of up to several hundred members and is thus usually excluded.

4.85.111 \textit{wdi\_homicidessm} \textbf{Intentional homicides, male (per 100,000 male)}

Intentional homicides, male (per 100,000 male). Intentional homicides, male are estimates of unlawful male homicides purposely inflicted as a result of domestic disputes, interpersonal violence, violent conflicts over land resources, intergang violence over turf or control, and predatory violence and killing by armed groups. Intentional homicide does not include all intentional killing; the difference is usually in the organization of the killing. Individuals or small groups usually commit homicide, whereas killing in armed conflict is usually committed by fairly cohesive groups of up to several hundred members and is thus usually excluded.
### 4.85.112  wdi_ilpdis Internally displaced persons, new displacement-disasters (number)

Internally displaced persons, new displacement associated with disasters (number of people). Internally displaced persons are defined according to the 1998 Guiding Principles (http://www.internal-displacement.org/publications/1998/ocha-guiding-principles-on-internal-displacement) as people or groups of people who have been forced or obliged to flee or to leave their homes or places of habitual residence, in particular as a result of armed conflict, or to avoid the effects of armed conflict, situations of generalized violence, violations of human rights, or natural or human-made disasters and who have not crossed an international border. “New Displacement” refers to the number of new cases or incidents of displacement recorded, rather than the number of people displaced. This is done because people may have been displaced more than once.

### 4.85.113  wdi_imig International migrant stock (% of population)

International migrant stock is the number of people born in a country other than that in which they live. It also includes refugees. The data used to estimate the international migrant stock at a particular time are obtained mainly from population censuses. The estimates are derived from the data on foreign-born population—people who have residence in one country but were born in another country. When data on the foreign-born population are not available, data on foreign population—that is, people who are citizens of a country other than the country in which they reside—are used as estimates. After the breakup of the Soviet Union in 1991 people living in one of the newly independent countries who were born in another were classified as international migrants. Estimates of migrant stock in the newly independent states from 1990 on are based on the 1989 census of the Soviet Union. For countries with information on the international migrant stock for at least two points in time, interpolation or extrapolation was used to estimate the international migrant stock on July 1 of the reference years. For countries with only one observation, estimates for the reference years were derived using rates of change in the migrant stock in the years preceding or following the single observation available. A model was used to estimate migrants for countries that had no data.
4.85.114  **wdi_import Imports of goods and services** (% of GDP)

Imports of goods and services represent the value of all goods and other market services received from the rest of the world. They include the value of merchandise, freight, insurance, transport, travel, royalties, license fees, and other services, such as communication, construction, financial, information, business, personal, and government services. They exclude compensation of employees and investment income (formerly called factor services) and transfer payments.


4.85.115  **wdi_inch10h Income share held by highest 10%**

Income share held by highest 10%. Percentage share of income or consumption is the share that accrues to subgroups of population indicated by deciles or quintiles.

Min. Year: 2013  Max. Year: 2017  N: 33

4.85.116  **wdi_inch10l Income share held by lowest 10%**

Income share held by lowest 10%. Percentage share of income or consumption is the share that accrues to subgroups of population indicated by deciles or quintiles.

Min. Year: 2013  Max. Year: 2017  N: 33

4.85.117  **wdi_inch202 Income share held by second 20%**

Income share held by second 20%. Percentage share of income or consumption is the share that accrues to subgroups of population indicated by deciles or quintiles. Percentage shares by quintile may not sum to 100 because of rounding.

Min. Year: 2013  Max. Year: 2017  N: 33

370
4.85.118  **wdi_incsh203 Income share held by third 20%**

Income share held by third 20%. Percentage share of income or consumption is the share that accrues to subgroups of population indicated by deciles or quintiles. Percentage shares by quintile may not sum to 100 because of rounding.

Min. Year: 2013  Max. Year: 2017  N: 33


4.85.119  **wdi_incsh204 Income share held by fourth 20%**

Income share held by fourth 20%. Percentage share of income or consumption is the share that accrues to subgroups of population indicated by deciles or quintiles. Percentage shares by quintile may not sum to 100 because of rounding.

Min. Year: 2013  Max. Year: 2017  N: 33


4.85.120  **wdi_incsh20h Income share held by highest 20%**

Income share held by highest 20%. Percentage share of income or consumption is the share that accrues to subgroups of population indicated by deciles or quintiles. Percentage shares by quintile may not sum to 100 because of rounding.

Min. Year: 2013  Max. Year: 2017  N: 33


4.85.121  **wdi_incsh20l Income share held by lowest 20%**

Income share held by lowest 20%. Percentage share of income or consumption is the share that accrues to subgroups of population indicated by deciles or quintiles. Percentage shares by quintile may not sum to 100 because of rounding.

Min. Year: 2013  Max. Year: 2017  N: 33


371
4.85.122  

\textit{wdi\_inflation}  

\textbf{Inflation, consumer prices (annual \%)}

Inflation as measured by the consumer price index reflects the annual percentage change in the cost to the average consumer of acquiring a basket of goods and services that may be fixed or changed at specified intervals, such as yearly. The Laspeyres formula is generally used.

\begin{align*}
\text{Min. Year}: & 2013 \\
\text{Max. Year}: & 2016 \\
N: & 36
\end{align*}

\begin{align*}
\text{Min. Year}: & 1960 \\
\text{Max. Year}: & 2018 \\
N: & 36 \ n: 1851 \ \bar{N}: 31 \ T: 51
\end{align*}

4.85.123  

\textit{wdi\_interexp}  

\textbf{Interest payments (\% of expense)}

Interest payments as percentage of expense include interest payments on government debt—including long-term bonds, long-term loans, and other debt instruments—to domestic and foreign residents.

\begin{align*}
\text{Min. Year}: & 2014 \\
\text{Max. Year}: & 2017 \\
N: & 36
\end{align*}

\begin{align*}
\text{Min. Year}: & 1972 \\
\text{Max. Year}: & 2018 \\
N: & 36 \ n: 1335 \ \bar{N}: 28 \ T: 37
\end{align*}

4.85.124  

\textit{wdi\_internet}  

\textbf{Individuals using the Internet (\% of population)}

Internet users are individuals who have used the Internet (from any location) in the last 3 months. The Internet can be used via a computer, mobile phone, personal digital assistant, games machine, digital TV etc.

\begin{align*}
\text{Min. Year}: & 2016 \\
\text{Max. Year}: & 2017 \\
N: & 36
\end{align*}

\begin{align*}
\text{Min. Year}: & 1990 \\
\text{Max. Year}: & 2018 \\
N: & 36 \ n: 1004 \ \bar{N}: 35 \ T: 28
\end{align*}

4.85.125  

\textit{wdi\_interrev}  

\textbf{Interest payments (\% of revenue)}

Interest payments as percentage of revenue include interest payments on government debt—including long-term bonds, long-term loans, and other debt instruments—to domestic and foreign residents.

\begin{align*}
\text{Min. Year}: & 2014 \\
\text{Max. Year}: & 2017 \\
N: & 36
\end{align*}

\begin{align*}
\text{Min. Year}: & 1972 \\
\text{Max. Year}: & 2018 \\
N: & 36 \ n: 1327 \ \bar{N}: 28 \ T: 37
\end{align*}
4.85.126 \textit{wdi\_lfp\_edu\_a} Labor force with advanced education \% of total working-age pop.

The percentage of the working age population with an advanced level of education who are in the labor force. Advanced education comprises short-cycle tertiary education, a bachelor's degree or equivalent education level, a master's degree or equivalent education level, or doctoral degree or equivalent education level according to the International Standard Classification of Education 2011 (ISCED 2011).

\textbf{Min. Year:} 2013 \textbf{Max. Year:} 2018
\textbf{N:} 35
\textbf{Min. Year:} 1990 \textbf{Max. Year:} 2018
\textbf{N:} 35 \textbf{n:} 744 \textbf{T:} 21

4.85.127 \textit{wdi\_lfp\_edu\_af} Labor force with advanced education \% of female working-age pop.

The percentage of the working age female population with an advanced level of education who are in the labor force. Advanced education comprises short-cycle tertiary education, a bachelor's degree or equivalent education level, a master's degree or equivalent education level, or doctoral degree or equivalent education level according to the International Standard Classification of Education 2011 (ISCED 2011).

\textbf{Min. Year:} 2013 \textbf{Max. Year:} 2018
\textbf{N:} 35
\textbf{Min. Year:} 1990 \textbf{Max. Year:} 2018
\textbf{N:} 35 \textbf{n:} 744 \textbf{T:} 21

4.85.128 \textit{wdi\_lfp\_edu\_am} Labor force with advanced education \% of male working-age pop.

The percentage of the working age male population with an advanced level of education who are in the labor force. Advanced education comprises short-cycle tertiary education, a bachelor's degree or equivalent education level, a master's degree or equivalent education level, or doctoral degree or equivalent education level according to the International Standard Classification of Education 2011 (ISCED 2011).

\textbf{Min. Year:} 2013 \textbf{Max. Year:} 2018
\textbf{N:} 35
\textbf{Min. Year:} 1990 \textbf{Max. Year:} 2018
\textbf{N:} 35 \textbf{n:} 744 \textbf{T:} 21

4.85.129 \textit{wdi\_lfp\_edu\_b} Labor force with basic education \% of total working-age pop.

The percentage of the working age population with a basic level of education who are in the labor force. Basic education comprises primary education or lower secondary education according to the
4.85.130  wdi_lfp edubf Labor force with basic education % of female working-age pop.

The percentage of the working age female population with a basic level of education who are in the labor force. Basic education comprises primary education or lower secondary education according to the International Standard Classification of Education 2011 (ISCED 2011).

4.85.131  wdi_lfp edubm Labor force with basic education % of male working-age pop.
w. basic edu.

The percentage of the working age male population with a basic level of education who are in the labor force. Basic education comprises primary education or lower secondary education according to the International Standard Classification of Education 2011 (ISCED 2011).

4.85.132  wdi_lfp edui Labor force with intermediate education % of total working-age pop.

The percentage of the working age population with an intermediate level of education who are in the labor force. Intermediate education comprises upper secondary or post-secondary non tertiary education according to the International Standard Classification of Education 2011 (ISCED 2011).
4.85.133 wdi_lfp_lf Labor force with intermediate education % of female working-age pop.

The percentage of the working age female population with an intermediate level of education who are in the labor force. Intermediate education comprises upper secondary or post-secondary non tertiary education according to the International Standard Classification of Education 2011 (ISCED 2011).

4.85.134 wdi_lfp_mf Labor force with intermediate education % of male working-age pop.

The percentage of the working age male population with an intermediate level of education who are in the labor force. Intermediate education comprises upper secondary or post-secondary non tertiary education according to the International Standard Classification of Education 2011 (ISCED 2011).

4.85.135 wdi_lfpf Labor force, female (% of total labor force)

Female labor force as a percentage of the total show the extent to which women are active in the labor force. Labor force comprises people ages 15 and older who meet the International Labour Organization’s definition of the economically active population.

4.85.136 wdi_lfpilo15 Labor force participation rate (% female ages 15+) (modeled ILO)

Labor force participation rate (% of female ages 15+) (modeled ILO est.). Labor force participation rate is the proportion of the population ages 15 and older that is economically active: all people who supply labor for the production of goods and services during a specified period.
4.85.137  wdi_lfpne15 Labor force participation rate (% of female ages 15+) (national est.)

Labor force participation rate (% of female ages 15+) (national est.). Labor force participation rate is the proportion of the population ages 15 and older that is economically active: all people who supply labor for the production of goods and services during a specified period.

4.85.138  wdi_lfpiolo15 Labor force participation rate (% of total ages 15+) (modeled ILO)

Labor force participation rate (% of total ages 15+) (modeled ILO est.). Labor force participation rate is the proportion of the population ages 15 and older that is economically active: all people who supply labor for the production of goods and services during a specified period.

4.85.139  wdi_lfpnmi15 Labor force participation rate(% of male ages 15+) (modeled ILO)

Labor force participation rate (% of male ages 15+) (modeled ILO est.). Labor force participation rate is the proportion of the population ages 15 and older that is economically active: all people who supply labor for the production of goods and services during a specified period.
4.85.140  wdi_lfpmne15 Labor force participation rate (% of male ages 15+) (national est.)

Labor force participation rate (% of male ages 15+) (national est.). Labor force participation rate is the proportion of the population ages 15 and older that is economically active: all people who supply labor for the production of goods and services during a specified period.

4.85.141  wdi_lfpmne15 Labor force participation rate (% of total ages 15+) (national est.)

Labor force participation rate (% of total ages 15+) (national est.). Labor force participation rate is the proportion of the population ages 15 and older that is economically active: all people who supply labor for the production of goods and services during a specified period.

4.85.142  wdi_lfpr Labor force participation rate, total (% of total pop. ages 15-64) (ILO)

Labor force participation rate, total (% of total population ages 15-64) (modeled ILO estimate). Labor force participation rate is the proportion of the population ages 15-64 that is economically active: all people who supply labor for the production of goods and services during a specified period.

4.85.143  wdi_lfprf Labor force participation rate, female (% of female pop. ages 15-64) (ILO)

Labor force participation rate, female (% of female population ages 15-64) (modeled ILO estimate). Labor force participation rate is the proportion of the population ages 15-64 that is economically active: all people who supply labor for the production of goods and services during a specified period.
Labor force participation rate, male (% of male population ages 15-64) (ILO)

Labor force participation rate, male (% of male population ages 15-64) (modeled ILO estimate). Labor force participation rate is the proportion of the population ages 15-64 that is economically active: all people who supply labor for the production of goods and services during a specified period.

Labor force participation rate 15-24, female (%) (modeled ILO)

Labor force participation rate 15-24, female (%) (modeled ILO estimate). Labor force participation rate for ages 15-24 is the proportion of the population ages 15-24 that is economically active: all people who supply labor for the production of goods and services during a specified period.

Labor force participation rate 15-24, female (%) (national est.)

Labor force participation rate 15-24, female (%) (national estimate). Labor force participation rate for ages 15-24 is the proportion of the population ages 15-24 that is economically active: all people who supply labor for the production of goods and services during a specified period.

Labor force participation rate 15-24, total (%) (modeled ILO)

Labor force participation rate 15-24, total (%) (modeled ILO estimate). Labor force participation rate for ages 15-24 is the proportion of the population ages 15-24 that is economically active: all
people who supply labor for the production of goods and services during a specified period.

\[ \text{Min. Year}: 2016 \quad \text{Max. Year}: 2016 \quad N: 36 \]

4.85.148 \textit{wdi\_lfpymilo Labor force participation rate 15-24, male (\%) (modeled ILO)}

Labor force participation rate 15-24, male (%) (modeled ILO estimate). Labor force participation rate for ages 15-24 is the proportion of the population ages 15-24 that is economically active: all people who supply labor for the production of goods and services during a specified period.

\[ \text{Min. Year}: 2016 \quad \text{Max. Year}: 2016 \quad N: 36 \]

4.85.149 \textit{wdi\_lfpynme Labor force participation rate 15-24, male (\%) (national est.)}

Labor force participation rate 15-24, male (%) (national estimate). Labor force participation rate for ages 15-24 is the proportion of the population ages 15-24 that is economically active: all people who supply labor for the production of goods and services during a specified period.

\[ \text{Min. Year}: 2013 \quad \text{Max. Year}: 2018 \quad N: 36 \]

4.85.150 \textit{wdi\_lfpyne Labor force participation rate 15-24, total (\%) (national est.)}

Labor force participation rate 15-24, total (%) (national estimate). Labor force participation rate for ages 15-24 is the proportion of the population ages 15-24 that is economically active: all people who supply labor for the production of goods and services during a specified period.

\[ \text{Min. Year}: 2013 \quad \text{Max. Year}: 2018 \quad N: 36 \]
4.85.151  **wdi_lifexp**  Life expectancy at birth, total (years)

Life expectancy at birth indicates the number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to stay the same throughout its life.

N: 36  

Min. Year: 1960  Max. Year: 2017  
N: 36  n: 1857  \( T: 52 \)

4.85.152  **wdi_lifexpf**  Life expectancy at birth, female (years)

Life expectancy at birth for females indicates the number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to stay the same throughout its life.

N: 36  

Min. Year: 1960  Max. Year: 2017  
N: 36  n: 1857  \( T: 52 \)

4.85.153  **wdi_lifexpm**  Life expectancy at birth, male (years)

Life expectancy at birth for males indicates the number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to stay the same throughout its life.

N: 36  

Min. Year: 1960  Max. Year: 2017  
N: 36  n: 1857  \( T: 52 \)

4.85.154  **wdi_lrmd**  Lifetime risk of maternal death (%)  

Life time risk of maternal death is the probability that a 15-year-old female will die eventually from a maternal cause assuming that current levels of fertility and mortality (including maternal mortality) do not change in the future, taking into account competing causes of death.

N: 36  

Min. Year: 2000  Max. Year: 2017  
N: 36  n: 648  \( T: 18 \)
4.85.155  wdi_migration Net migration

Net migration is the net total of migrants during the period, that is, the total number of immigrants less the annual number of emigrants, including both citizens and noncitizens. Data are five-year estimates.

Min. Year: 2017 Max. Year: 2017
N: 36

4.85.156  wdi_mobile Mobile cellular subscriptions (per 100 people)

Mobile cellular telephone subscriptions are subscriptions to a public mobile telephone service that provide access to the PSTN using cellular technology. The indicator includes (and is split into) the number of postpaid subscriptions, and the number of active prepaid accounts (i.e. that have been used during the last three months). The indicator applies to all mobile cellular subscriptions that offer voice communications. It excludes subscriptions via data cards or USB modems, subscriptions to public mobile data services, private trunked mobile radio, telepoint, radio paging and telemetry services.

Min. Year: 2015 Max. Year: 2017
N: 36

4.85.157  wdi_mortf Mortality rate, adult, female (per 1,000 female adults)

Adult mortality rate is the probability of dying between the ages of 15 and 60 – that is, the probability of a 15-year-old dying before reaching age 60, if subject to age-specific mortality rates of the specified year between those ages.

N: 35

4.85.158  wdi_mortinf Mortality rate, infant (per 1,000 live births)

Infant mortality rate is the number of infants dying before reaching one year of age, per 1,000 live births in a given year.
4.85.159  wdi_mortinf Mortality rate, infant, female (per 1,000 live births)

Infant mortality rate, female is the number of female infants dying before reaching one year of age, per 1,000 female live births in a given year.

4.85.160  wdi_mortinfm Mortality rate, infant, male (per 1,000 live births)

Infant mortality rate, male is the number of male infants dying before reaching one year of age, per 1,000 male live births in a given year.

4.85.161  wdi_mortm Mortality rate, adult, male (per 1,000 male adults)

Adult mortality rate is the probability of dying between the ages of 15 and 60—that is, the probability of a 15-year-old dying before reaching age 60, if subject to age-specific mortality rates of the specified year between those ages.

4.85.162  wdi_mortnn Mortality rate, neonatal (per 1,000 live births)

Neonatal mortality rate is the number of neonates dying before reaching 28 days of age, per 1,000 live births in a given year.
4.85.163 wdi_mortu5 Mortality rate, under-5 (per 1,000 live births)
Under-five mortality rate is the probability per 1,000 that a newborn baby will die before reaching age five, if subject to age-specific mortality rates of the specified year.

4.85.164 wdi_mortu5f Mortality rate, under-5, female (per 1,000 live births)
Under-five mortality rate, female is the probability per 1,000 that a newborn female baby will die before reaching age five, if subject to female age-specific mortality rates of the specified year.

4.85.165 wdi_mortu5m Mortality rate, under-5, male (per 1,000 live births)
Under-five mortality rate, male is the probability per 1,000 that a newborn male baby will die before reaching age five, if subject to male age-specific mortality rates of the specified year.

4.85.166 wdi_nerp School enrollment, primary (% net)
Net enrollment rate is the ratio of children of official school age who are enrolled in school to the population of the corresponding official school age. Primary education provides children with basic reading, writing, and mathematics skills along with an elementary understanding of such subjects as history, geography, natural science, social science, art, and music.
4.85.167 wdi_nerpf School enrollment, primary, female (% net)

Net enrollment rate is the ratio of girls of official school age who are enrolled in school to the population of the corresponding official school age. Primary education provides children with basic reading, writing, and mathematics skills along with an elementary understanding of such subjects as history, geography, natural science, social science, art, and music. Females.

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A

4.85.168 wdi_nerpm School enrollment, primary, male (% net)

Net enrollment rate is the ratio of boys of official school age who are enrolled in school to the population of the corresponding official school age. Primary education provides children with basic reading, writing, and mathematics skills along with an elementary understanding of such subjects as history, geography, natural science, social science, art, and music. Male.

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A

4.85.169 wdi_nerpr Adjusted net enrollment rate, primary (% of primary school children)

Adjusted net enrollment is the number of pupils of the school-age group for primary education, enrolled either in primary or secondary education, expressed as a percentage of the total population in that age group.

Min. Year: 2013 Max. Year: 2018
N: 35

N: 2013 Max. Year: 2018
N: 35 n: 1049 N: 22 T: 30

Min. Year: 1970 Max. Year: 2017
N: 35 n: 985 N: 21 T: 28
**4.85.170 wdi_nerprf Adjusted net enrollment rate, primary female (% of primary school children)**

Adjusted net enrollment is the number of female pupils of the school-age group for primary education, enrolled either in primary or secondary education, expressed as a percentage of the total population in that age group. Female.

**Variable not included in Cross-Section Data**

N: N/A Min. Year: N/A Max. Year: N/A

Min. Year: 1971 Max. Year: 2017
N: 34 n: 634 N: 13 T: 19

**4.85.171 wdi_nerprm Adjusted net enrollment rate, primary male (% of primary school children)**

Adjusted net enrollment is the number of male pupils of the school-age group for primary education, enrolled either in primary or secondary education, expressed as a percentage of the total population in that age group. Male.

**Variable not included in Cross-Section Data**

N: N/A Min. Year: N/A Max. Year: N/A

Min. Year: 1971 Max. Year: 2017
N: 34 n: 634 N: 13 T: 19

**4.85.172 wdi_ners School enrollment, secondary (% net)**

Net enrollment rate is the ratio of children of official school age who are enrolled in school to the population of the corresponding official school age. Secondary education completes the provision of basic education that began at the primary level, and aims at laying the foundations for lifelong learning and human development, by offering more subject- or skill-oriented instruction using more specialized teachers.

**Variable not included in Cross-Section Data**

Min. Year: 2013 Max. Year: 2018
N: 34

Min. Year: 1971 Max. Year: 2017
N: 34 n: 847 N: 18 T: 25

**4.85.173 wdi_nersf School enrollment, secondary, female (% net)**

Net enrollment rate is the ratio of girls of official school age who are enrolled in school to the population of the corresponding official school age. Secondary education completes the provision of basic education that began at the primary level, and aims at laying the foundations for lifelong learning and human development, by offering more subject- or skill-oriented instruction using more specialized teachers. Female.
4.85.174  **wdi_nersm School enrollment, secondary, male (%) net**

Net enrollment rate is the ratio of boys of official school age who are enrolled in school to the population of the corresponding official school age. Secondary education completes the provision of basic education that began at the primary level, and aims at laying the foundations for lifelong learning and human development, by offering more subject- or skill-oriented instruction using more specialized teachers. Male.

4.85.175  **wdi_oilrent Oil rents (% of GDP)**

Oil rents are the difference between the value of crude oil production at world prices and total costs of production.

4.85.176  **wdi_ophexp Out-of-pocket expenditure (% of current health expenditure)**


4.85.177  **wdi_pop Population, total**

Total population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship. The values shown are midyear estimates.
4.85.178  
*wdi_pop14 Population ages 0-14 (% of total population)*
Total population between the ages 0 to 14 as a percentage of the total population. Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship.

4.85.179  
*wdi_pop1564 Population ages 15-64 (% of total population)*
Total population between the ages 15 to 64 as a percentage of the total population. Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship.

4.85.180  
*wdi_pop65 Population ages 65 and above (% of total population)*
Population ages 65 and above as a percentage of the total population. Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship.

4.85.181  
*wdi_popden Population density (people per sq. km of land area)*
Population density is midyear population divided by land area in square kilometers. Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship—except for refugees not permanently settled in the country of asylum, who are generally considered part of the population of their country of origin. Land area is a country’s total area,
excluding area under inland water bodies, national claims to continental shelf, and exclusive economic zones. In most cases the definition of inland water bodies includes major rivers and lakes.

4.85.182 wdi_popf Population, female (% of total population)
Female population is the percentage of the population that is female. Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship.

4.85.183 wdi_popgr Population growth (annual %)
Annual population growth rate for year t is the exponential rate of growth of midyear population from year t-1 to t, expressed as a percentage. Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship.

4.85.184 wdi_poprul Rural population (% of total population)
Rural population refers to people living in rural areas as defined by national statistical offices. It is calculated as the difference between total population and urban population.

4.85.185 wdi_poprulgr Rural population growth (annual %)
Rural population growth. Rural population refers to people living in rural areas as defined by national statistical offices. It is calculated as the difference between total population and urban population.
4.85.186  wdi_popurb Urban population (% of total population)

Urban population refers to people living in urban areas as defined by national statistical offices. The data are collected and smoothed by United Nations Population Division.

4.85.187  wdi_popurbagr Urban population growth (annual %)

Urban population growth. Urban population refers to people living in urban areas as defined by national statistical offices. It is calculated using World Bank population estimates and urban ratios from the United Nations World Urbanization Prospects.

4.85.188  wdi_povgap190 Poverty gap at USD 1.90 a day (2011 PPP) (%)

Poverty gap at 1.90 dollars a day (2011 PPP) is the mean shortfall in income or consumption from the poverty line 1.90 dollars a day (counting the nonpoor as having zero shortfall), expressed as a percentage of the poverty line. This measure reflects the depth of poverty as well as its incidence. As a result of revisions in PPP exchange rates, poverty rates for individual countries cannot be compared with poverty rates reported in earlier editions. Note: five countries – Bangladesh, Cabo Verde, Cambodia, Jordan, and Lao PDR – use the 2005 PPP conversion factors and corresponding 1.25 dollars a day and 2 dollars a day poverty lines. This is due to the large deviations in the rate of change in PPP factors relative to the rate of change in domestic consumer price indexes. See Box 1.1 in the Global Monitoring Report 2015/2016 (http://www.worldbank.org/en/publication/global-monitoring-report) for a detailed explanation.
4.85.189  wdi_povgap320 Poverty gap at USD 3.20 a day (2011 PPP) (%)

Poverty gap at 3.20 dollars a day (2011 PPP) is the mean shortfall in income or consumption from the poverty line 3.20 dollars a day (counting the nonpoor as having zero shortfall), expressed as a percentage of the poverty line. This measure reflects the depth of poverty as well as its incidence (% of population).

Min. Year: 2013 Max. Year: 2017
N: 33

4.85.190  wdi_powcon Electric power consumption (kWh per capita)

Electric power consumption measures the production of power plants and combined heat and power plants less transmission, distribution, and transformation losses and own use by heat and power plants.

N: 36

4.85.191  wdi_precip Average precipitation in depth (mm per year)

Average precipitation is the long-term average in depth (over space and time) of annual precipitation in the country. Precipitation is defined as any kind of water that falls from clouds as a liquid or a solid.

N: 36

4.85.192  wdi_pte Part time employment, total (% of total employment)

Part time employment, total (% of total employment). Part time employment refers to regular employment in which working time is substantially less than normal. Definitions of part time employment differ by country.

Min. Year: 2013 Max. Year: 2017
N: 36
4.85.193  wdi_ptef Part time employment, female (% of total female employment)
Part time employment, female (% of total female employment). Part time employment refers to regular employment in which working time is substantially less than normal. Definitions of part time employment differ by country.

Min. Year: 2013  Max. Year: 2017
N: 36

Min. Year: 1976  Max. Year: 2018
N: 36  n: 908  T: 21  t: 25

4.85.194  wdi_ptem Part time employment, male (% of total male employment)
Part time employment, male (% of total male employment). Part time employment refers to regular employment in which working time is substantially less than normal. Definitions of part time employment differ by country.

Min. Year: 2013  Max. Year: 2017
N: 36

Min. Year: 1976  Max. Year: 2018
N: 36  n: 908  T: 21  t: 25

4.85.195  wdi_refasy Refugee population by country or territory of asylum
Refugees are people who are recognized as refugees under the 1951 Convention Relating to the Status of Refugees or its 1967 Protocol, the 1969 Organization of African Unity Convention Governing the Specific Aspects of Refugee Problems in Africa, people recognized as refugees in accordance with the UNHCR statute, people granted refugee-like humanitarian status, and people provided temporary protection. Asylum seekers—people who have applied for asylum or refugee status and who have not yet received a decision or who are registered as asylum seekers—are excluded. Palestinian refugees are people (and their descendants) whose residence was Palestine between June 1946 and May 1948 and who lost their homes and means of livelihood as a result of the 1948 Arab-Israeli conflict. Country of asylum is the country where an asylum claim was filed and granted.

Min. Year: 2013  Max. Year: 2018
N: 36

Min. Year: 1990  Max. Year: 2018
N: 36  n: 999  T: 34  t: 28

4.85.196  wdi_refori Refugee population by country or territory of origin
Refugees are people who are recognized as refugees under the 1951 Convention Relating to the Status of Refugees or its 1967 Protocol, the 1969 Organization of African Unity Convention Governing the Specific Aspects of Refugee Problems in Africa, people recognized as refugees in accordance with the UNHCR statute, people granted refugee-like humanitarian status, and people provided temporary protection. Asylum seekers—people who have applied for asylum or refugee status and who have not yet received a decision or who are registered as asylum seekers—are excluded. Palestinian refugees are
people (and their descendants) whose residence was Palestine between June 1946 and May 1948 and who lost their homes and means of livelihood as a result of the 1948 Arab-Israeli conflict. Country of origin generally refers to the nationality or country of citizenship of a claimant.

4.85.197 wdi_semp Self-employed, total (% of total employment) (modeled ILO)
Self-employed workers are those workers who, working on their own account or with one or a few partners or in cooperative, hold the type of jobs defined as a “self-employment jobs”, i.e. jobs where the remuneration is directly dependent upon the profits derived from the goods and services produced. Self-employed workers include four sub-categories of employers, own-account workers, members of producers’ cooperatives, and contributing family workers. Modeled ILO estimate.

4.85.198 wdi_sempf Self-employed, female (% of female employment) (modeled ILO)
Self-employed female workers are those workers who, working on their own account or with one or a few partners or in cooperative, hold the type of jobs defined as a “self-employment jobs”. i.e. jobs where the remuneration is directly dependent upon the profits derived from the goods and services produced. Self-employed workers include four sub-categories of employers, own-account workers, members of producers’ cooperatives, and contributing family workers. Modeled ILO estimate.

4.85.199 wdi_sempm Self-employed, male (% of male employment) (modeled ILO)
Self-employed male workers are those workers who, working on their own account or with one or a few partners or in cooperative, hold the type of jobs defined as a “self-employment jobs”. i.e. jobs where the remuneration is directly dependent upon the profits derived from the goods and services produced. Self-employed workers include four sub-categories of employers, own-account workers, members of producers’ cooperatives, and contributing family workers. Modeled ILO estimate.
4.85.200  wdi_smokf Smoking prevalence, females (% of adults)
Prevalence of smoking, female is the percentage of women ages 15 and over who smoke any form of tobacco, including cigarettes, cigars, pipes or any other smoked tobacco products. Data include daily and non-daily or occasional smoking.

4.85.201  wdi_smokm Smoking prevalence, males (% of adults)
Prevalence of smoking, male is the percentage of men ages 15 and over who smoke any form of tobacco, including cigarettes, cigars, pipes or any other smoked tobacco products. Data include daily and non-daily or occasional smoking.

4.85.202  wdi_smop Smoking prevalence, total (ages 15+)
Smoking prevalence, total, ages 15+. Prevalence of smoking is the percentage of men and women ages 15 and over who currently smoke any tobacco product on a daily or non-daily basis. It excludes smokeless tobacco use. The rates are age-standardized.

4.85.203  wdi_sva2010 Services, value added (constant 2010 US dollar)
Services, value added (constant 2010 US dollar). Services correspond to ISIC divisions 50-99. They include value added in wholesale and retail trade (including hotels and restaurants), transport, and government, financial, professional, and personal services such as education, health care, and real
estate services. Also included are imputed bank service charges, import duties, and any statistical discrepancies noted by national compilers as well as discrepancies arising from rescaling. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The industrial origin of value added is determined by the International Standard Industrial Classification (ISIC), revision 3 or 4. Data are in constant 2010 U.S. dollars.

4.85.204  wdlsvapg Services, value added (annual % growth)

Services, value added (annual % growth). Annual growth rate for value added in services based on constant local currency. Aggregates are based on constant 2010 U.S. dollars. Services correspond to ISIC divisions 50-99. They include value added in wholesale and retail trade (including hotels and restaurants), transport, and government, financial, professional, and personal services such as education, health care, and real estate services. Also included are imputed bank service charges, import duties, and any statistical discrepancies noted by national compilers as well as discrepancies arising from rescaling. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The industrial origin of value added is determined by the International Standard Industrial Classification (ISIC), revision 3 or 4.

4.85.205  wdlsvapgdgdp Services, value added (% of GDP)

Services, value added (% of GDP). Services correspond to ISIC divisions 50-99 and they include value added in wholesale and retail trade (including hotels and restaurants), transport, and government, financial, professional, and personal services such as education, health care, and real estate services. Also included are imputed bank service charges, import duties, and any statistical discrepancies noted by national compilers as well as discrepancies arising from rescaling. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The industrial origin of value added is determined by the International Standard Industrial Classification (ISIC), revision 3 or 4.
4.85.206  wdi_taxrev Tax revenue (% of GDP)

Tax revenue refers to compulsory transfers to the central government for public purposes. Certain compulsory transfers such as fines, penalties, and most social security contributions are excluded. Refunds and corrections of erroneously collected tax revenue are treated as negative revenue.

Note: The value for San Marino for 1995 was extremely high (44326) and has been recoded to missing.


4.85.207  wdi_tele Fixed telephone subscriptions (per 100 people)

Fixed telephone subscriptions refers to the sum of active number of analogue fixed telephone lines, voice-over-IP (VoIP) subscriptions, fixed wireless local loop (WLL) subscriptions, ISDN voice-channel equivalents and fixed public payphones.


4.85.208  wdi_trade Trade (% of GDP)

Trade is the sum of exports and imports of goods and services measured as a share of gross domestic product.


4.85.209  wdi_tradeserv Trade in services (% of GDP)

Trade in services is the sum of service exports and imports divided by the value of GDP, all in current U.S. dollars.

Min. Year:2013 Max. Year: 2016 N: 36

4.85.210  wdi_unempedua  Unemployment with advanced education (% of total labor force)

The percentage of the labor force with an advanced level of education who are unemployed. Advanced education comprises short-cycle tertiary education, a bachelor’s degree or equivalent education level, a master’s degree or equivalent education level, or doctoral degree or equivalent education level according to the International Standard Classification of Education 2011 (ISCED 2011).

Min. Year: 2013  Max. Year: 2018
N: 35

Min. Year: 1990  Max. Year: 2018
N: 36  n: 750  N: 26  T: 21

4.85.211  wdi_unempeduaf  Unemployment with advanced education (% of female labor force)

The percentage of the labor force with an advanced level of education who are unemployed. Advanced education comprises short-cycle tertiary education, a bachelor’s degree or equivalent education level, a master’s degree or equivalent education level, or doctoral degree or equivalent education level according to the International Standard Classification of Education 2011 (ISCED 2011). Female.

Min. Year: 2013  Max. Year: 2018
N: 35

Min. Year: 1990  Max. Year: 2018
N: 36  n: 745  N: 26  T: 21

4.85.212  wdi_unempeduanm  Unemployment with advanced education (% of male labor force)

The percentage of the labor force with an advanced level of education who are unemployed. Advanced education comprises short-cycle tertiary education, a bachelor’s degree or equivalent education level, a master’s degree or equivalent education level, or doctoral degree or equivalent education level according to the International Standard Classification of Education 2011 (ISCED 2011). Male.

Min. Year: 2013  Max. Year: 2018
N: 35

Min. Year: 1990  Max. Year: 2018
N: 36  n: 748  N: 26  T: 21

4.85.213  wdi_unempedub  Unemployment with basic education (% of total labor force)

The percentage of the labor force with a basic level of education who are unemployed. Basic education comprises primary education or lower secondary education according to the International Standard Classification of Education 2011 (ISCED 2011).

396
4.85.214  *wdi_unempedu*bf Unemployment with basic education (% of female labor force)

The percentage of the labor force with a basic level of education who are unemployed. Basic education comprises primary education or lower secondary education according to the International Standard Classification of Education 2011 (ISCED 2011). Female.

4.85.215  *wdi_unempedu*bm Unemployment with basic education (% of male labor force)

The percentage of the labor force with a basic level of education who are unemployed. Basic education comprises primary education or lower secondary education according to the International Standard Classification of Education 2011 (ISCED 2011). Male.

4.85.216  *wdi_unempedu*ui Unemployment with intermediate education (% of total labor force)

The percentage of the labor force with an intermediate level of education who are unemployed. Intermediate education comprises upper secondary or post-secondary non-tertiary education according to the International Standard Classification of Education 2011 (ISCED 2011).
4.85.217  *wdi_unempeduif* Unemployment with intermediate education (% of female labor force)

The percentage of the labor force with an intermediate level of education who are unemployed. Intermediate education comprises upper secondary or post-secondary non tertiary education according to the International Standard Classification of Education 2011 (ISCED 2011). Female.

Min. Year: 2013 Max. Year: 2018
N: 35

Min. Year: 1990 Max. Year: 2018
N: 36 n: 742 N: 26 T: 21

4.85.218  *wdi_unempeduim* Unemployment with intermediate education (% of male labor force)

The percentage of the labor force with an intermediate level of education who are unemployed. Intermediate education comprises upper secondary or post-secondary non tertiary education according to the International Standard Classification of Education 2011 (ISCED 2011). Male.

Min. Year: 2013 Max. Year: 2018
N: 35

Min. Year: 1990 Max. Year: 2018
N: 36 n: 740 N: 26 T: 21

4.85.219  *wdi_unempflf* Unemployment, female (% of female labor force) (modeled ILO)

Unemployment refers to the share of the labor force that is without work but available for and seeking employment. Female.

N: 36

Min. Year: 1991 Max. Year: 2018
N: 36 n: 1001 N: 36 T: 28

4.85.220  *wdi_unempfne* Unemployment, female (% of female labor force) (national est.)

Unemployment refers to the share of the labor force that is without work but available for and seeking employment. Definitions of labor force and unemployment differ by country. Female.

398
4.85.221 *wdi_unempilo* Unemployment, total (% of total labor force) (modeled ILO)

Unemployment refers to the share of the labor force that is without work but available for and seeking employment. Total.

4.85.222 *wdi_unempmlilo* Unemployment, male (% of male labor force) (modeled ILO)

Unemployment refers to the share of the labor force that is without work but available for and seeking employment. Male.

4.85.223 *wdi_unempmne* Unemployment, male (% of male labor force) (national est.)

Unemployment refers to the share of the labor force that is without work but available for and seeking employment. Definitions of labor force and unemployment differ by country. Male.

4.85.224 *wdi_unempne* Unemployment, total (% of total labor force) (national est.)

Unemployment refers to the share of the labor force that is without work but available for and seeking employment. Definitions of labor force and unemployment differ by country. Total.
4.85.225  `wdi_unempyilo` Unemployment, youth female (% of female labor force 15-24)(modeled ILO)

Youth unemployment refers to the share of the labor force ages 15-24 without work but available for and seeking employment.

4.85.226  `wdi_unempynfe` Unemployment, youth female (% of female labor force 15-24)(nation est.)

Youth unemployment refers to the share of the labor force ages 15-24 without work but available for and seeking employment. Definitions of labor force and unemployment differ by country.

4.85.227  `wdi_unempyilo` Unemployment, youth total (% of total labor force 15-24)(modeled ILO)

Youth unemployment refers to the share of the labor force ages 15-24 without work but available for and seeking employment.

4.85.228  `wdi_unempymilo` Unemployment, youth male (% of male labor force 15-24)(modeled ILO)

Youth unemployment refers to the share of the labor force ages 15-24 without work but available for and seeking employment.
4.85.229.2 wdi_unempyynne Unemployment, youth male (% of male labor force 15-24) (national est.)

Youth unemployment refers to the share of the labor force ages 15-24 without work but available for and seeking employment. Definitions of labor force and unemployment differ by country.

4.85.230.2 wdi_unempyynne Unemployment, youth total (% of total labor force 15-24) (national est.)

Youth unemployment refers to the share of the labor force ages 15-24 without work but available for and seeking employment. Definitions of labor force and unemployment differ by country.

4.85.231.2 wdi_wip Proportion of seats held by women in national parliaments (%)

Women in parliaments are the percentage of parliamentary seats in a single or lower chamber held by women.

4.86 Christian Welzel

[Welzel, 2013]
Data from Freedom Rising by Christian Welzel

The World Values Survey measures of secular values and emancipative values are theoretically explained and empirically tested for their cross-cultural reliability and validity in Freedom Rising, pp. 57-105. The backward estimates of emancipative values for decades before available survey data are explained in Freedom Rising, pp. 157-161.

4.86.1 wel_citrig Citizen Rights

Meaning: Conditional index that measures the prevalence of citizen rights as the presence of respect of political participation rights on the condition of the presence of respect of personal autonomy rights, using multiplication to combine the two [CitRig = PAR * PPR].


Scaling: Index scores range from 0 for the complete absence of citizen rights in law and practice to 1 for their full presence in law and practice, with proper fractions for intermediate positions.

Links: Data sources, rescaling procedures and replication data are meticulously documented in the Online Appendix to Welzel’s (2013) Freedom Rising at www.cambridge.com/welzel (p. 72). Test statistics documenting this index’s superior validity in comparison to alternative democracy measures are reported in Welzel (2013: 267-271).

Note: the missing code (-99) has been recoded to missing (.).

4.86.2 wel_coc Control of Corruption

Meaning: Factor scale from the World Bank’s “global governance indicators” measuring the degree of corruption control in a country.

Source: Alexander and Welzel (2011); Alexander, Inglehart and Welzel (2012). Categorization is available in annual measures for most countries of the world from 1996 to 2006.

Scaling: The factor scores are standardized into a range from minimum 0 (for the lowest ever observed corruption control) to maximum 1.0 (for the highest ever observed corruption control), with fractions for intermediate positions. Note: In the original data there exists two different observations for Dominica, the value has been recoded to missing for this country.

4.86.3 wel_dr Democratic Rights

Meaning: 14-point index measuring the prevalence of democratic rights based on Freedom House’s “civil liberties” and “political rights” ratings.

Source: Alexander and Welzel (2011); Alexander, Inglehart and Welzel (2012). Categorization is
available in annual measures for most countries of the world from 1996 to 2006.
Scaling: The two Freedom House scales are inverted, averaged and standardized into a range from
minimum 0 (no democratic rights) to 100 (maximum democratic rights), with percentages of the
maximum rights for intermediate positions. Note: In the original data there exists two different
observations for Dominica, the value has been recoded to missing for this country.

4.86.4  wel_edi Effective Democracy Index

Meaning: Conditional multi-point index measuring the extent of effective democracy, understood as
the presence of democratic rights on the condition that honest governance puts them into real practice
[EDI = DemRig * HonGov].
Source: Alexander and Welzel (2011); Alexander, Inglehart and Welzel (2012). Categorization is
available in annual measures for most countries of the world from 1996 to 2006.
Scaling: Scores are weighted percentages ranging from a theoretical minimum of 0 for the least
effective or absent democracy to 100 for the most effective democracy. Note: In the original data
there exists two different observations for Dominica, the value has been recoded to missing for this country.

4.86.5  wel_par Personal Autonomy Rights

Meaning: The indicator measures to what extent a country enacts personal autonomy rights by law
and respects them in practice.
Source: Welzel’s (2013: 254-263) “personal autonomy rights index” based on Freedom House’s “civil
liberties” as well as Cingranelli/Richards’ “integrity rights”. Freedom House civil liberties are inverted
and then standardized into a range from minimum 0 to maximum 1.0. CIRI integrity rights are also
standardized into a range from minimum 0 to maximum 1.0. Then the average of the two is taken
to measure personal autonomy rights. Measures exist on an annual basis from 1981 to 2010 for most
countries in the world.
Scaling: Index scores range from 0 for the completely absent or disrespected personal autonomy rights
to 1.0 for their full presence and respect, with proper fractions for intermediate positions.
Links: Data sources, rescaling procedures and replication data are meticulously documented in the
Online Appendix to Welzel’s (2013) Freedom Rising at www.cambridge.com/welzel (p. 72). Test
statistics documenting this index’s superior validity in comparison to alternative democracy measures
are reported in Welzel (2013: 267-271).
Note: the missing code (-99) has been recoded to missing (.)
4.86.6 wel_ppr Political Participation Rights

Meaning: The indicator measures to what extent a country enacts political participation rights by law and respects them in practice.

Source: Welzel’s (2013: 254-263) “political participation rights index” based on Freedom House’s “political rights” as well as Cingranelli/Richards’ “empowerment rights”. Freedom House political rights are inverted and then standardized into a range from minimum 0 to maximum 1.0. CIRI empowerment rights are also standardized into a range from minimum 0 to maximum 1.0. Then the average of the two is taken to measure political participation rights. Measures exist on an annual basis from 1981 to 2010 for most countries in the world.

Scaling: Index scores range from 0 for completely absent or disrespected political participation rights to 1.0 for their full presence and respect, with proper fractions for intermediate positions.

Links: Data sources, rescaling procedures and replication data are meticulously documented in the Online Appendix to Welzel’s (2013) Freedom Rising at www.cambridge.com/welzel (p. 72). Test statistics documenting this index’s superior validity in comparison to alternative democracy measures are reported in Welzel (2013: 267-271).

Note: the missing code (-99) has been recoded to missing (.).

4.86.7 wel_regtype Regime Type

Meaning: Regime types measure the 4-fold combination of personal autonomy rights and political participation rights, resulting in four combinations.


Scaling: 1 “Pure Autocracy”: both personal autonomy rights and political participation rights below the scale midpoint (0.50); 2 “Inclusive Autocracy”: personal autonomy rights below the scale midpoint, political participation rights above the scale midpoint; 3 “Liberal Autocracy”: personal autonomy rights above the scale midpoint, political participation rights below; 4 “Minimal Democracy”: both personal autonomy rights and political participation rights above the scale midpoint.

Links: Data sources, rescaling procedures and replication data are meticulously documented in the Online Appendix to Welzel’s (2013) Freedom Rising at www.cambridge.com/welzel (p. 72). Test statistics documenting this index’s superior validity in comparison to alternative democracy measures are reported in Welzel (2013: 267-271).
4.86.8  \textit{wel\	extunderscore rl} Rule of Law Index

\begin{equation*}
\text{(Rule of Law + Control of Corruption) / 2}
\end{equation*}

4.86.9  \textit{wel\	extunderscore rol} Rule of Law

Meaning: Factor scale from the World Bank’s “global governance indicators” measuring the degree of law enforcement in a country.

Source: Alexander and Welzel (2011); Alexander, Inglehart and Welzel (2012). Categorization is available in annual measures for most countries of the world from 1996 to 2006.

Scaling: The factor scores are standardized into a range from minimum 0 (for the lowest ever observed rule of law score) to maximum 1.0 (for the highest ever observed rule of law score), with fractions for intermediate positions. Note: In the original data there exists two different observations for Dominica, the value has been recoded to missing for this country.

4.86.10  \textit{wel\	extunderscore scalezone} Scalezone on Citizen Rights

Meaning: Categorical scale zones on the citizen rights index, distinguishing four categories from more completely to less completely autocratic, and then from less completely to more completely democratic.


Scaling: 1 “Complete Autocracy”: citizen rights score less equal 0.25; 2 “Incomplete Autocracy”: citizen rights score above 0.25 and less equal 0.50; 3 “Incomplete Democracy”: citizen rights score above 0.50 and less equal 0.75; 4 “Complete Democracy”: citizen rights score above 0.75.

Links: Data sources, rescaling procedures and replication data are meticulously documented in the Online Appendix to Welzel’s (2013) Freedom Rising at www.cambridge.com/welzel (p. 72). Test statistics documenting this index’s superior validity in comparison to alternative democracy measures are reported in Welzel (2013: 267-271).
4.86.11 wel_sys Political System Type

Meaning: 4-fold system typology derived from cross-tabulating democratic rights and honest governance.
Source: Alexander and Welzel (2011); Alexander, Inglehart and Welzel (2012). Categorization is available in annual measures for most countries of the world from 1996 to 2006.

1. “Unbound Autocracy”: both democratic rights and honest governance below their scale midpoints
2. “Bounded Autocracy”: democratic rights below, honest governance above the scale midpoint
3. “Ineffective Democracy”: democratic rights above, honest governance below the scale midpoint
4. “Effective Democracy”: both democratic rights and honest governance above the scale midpoint.

Note: In the original data there exists two different observations for Dominica, the value has been recoded to missing for this country.

4.87 World Health Organization

http://www.who.int/gho/database/en/
(World Health Organization, 2019)
(Data downloaded: 2019-11-18)

Global Health Observatory data repository

The GHO data repository is WHO’s gateway to health-related statistics for its 194 Member States. It provides access to over 1000 indicators on priority health topics including mortality and burden of diseases, the Millennium Development Goals (child nutrition, child health, maternal and reproductive health, immunization, HIV/AIDS, tuberculosis, malaria, neglected diseases, water and sanitation), non communicable diseases and risk factors, epidemic-prone diseases, health systems, environmental health, violence and injuries, equity among others.

4.87.1 who_alcohol10 Alcohol consumption per capita

Alcohol consumption per capita, all types of alcohol.
4.87.2 who_dwtot Population using at least basic drinking water services (%), Total
Population using at least basic drinking water services (%), Total

4.87.3 who_halef Healthy Life Expectancy, Female
Healthy life expectancy (HALE) at birth (years), Female

4.87.4 who_halem Healthy Life Expectancy, Male
Healthy life expectancy (HALE) at birth (years), Male

4.87.5 who_halet Healthy Life Expectancy, Total
Healthy life expectancy (HALE) at birth (years), Total
4.87.6 who_homf Homicide Rate, Female
Homicide Rate, Estimates of rates of homicides per 100,000 population, Female

4.87.7 who_homm Homicide Rate, Male
Homicide Rate, Estimates of rates of homicides per 100,000 population, Male

4.87.8 who_homt Homicide Rate, Total
Homicide Rate, Estimates of rates of homicides per 100,000 population, Total

4.87.9 who_infmorf Infant mortality rate, Female
Infant mortality rate - Female (probability of dying between birth and age 1 per 1000 live births)
4.87.10 who_infmrtn Infant mortality rate, Male
Infant mortality rate - Male (probability of dying between birth and age 1 per 1000 live births)

4.87.11 who_infmrnt Infant mortality rate, Total
Infant mortality rate - Total (probability of dying between birth and age 1 per 1000 live births)

4.87.12 who_lef Life Expectancy, Female
Life Expectancy at birth in years, Female
Note: The data for Rwanda for the years 2000-2015 has been dropped due to having several values for the same observations

4.87.13 who_lem Life Expectancy, Male
Life Expectancy at birth in years, Male
Note: The data for Rwanda for the years 2000-2015 has been dropped due to having several values for the same observations
4.87.14  who_let Life Expectancy, Total
Life Expectancy at birth in years, Total
Note: The data for Rwanda for the years 2000-2015 has been dropped due to having several values for the same observations.

4.87.15  who_matmort Maternal Mortality Rate (per 100,000 live births)
Maternal Mortality Rate (per 100,000 live births)

4.87.16  who_mrf Adult Mortality Rate (per 1000 population), Female
Adult Mortality Rate (per 1000 population), Female

4.87.17  who_mrm Adult Mortality Rate (per 1000 population), Male
Adult Mortality Rate (per 1000 population), Male
4.87.18  who_mrt Adult Mortality Rate (per 1000 population), Total
Adult Mortality Rate (per 1000 population), Total

4.87.19  who_roadtrd Estimated road traffic death rate (100,000 population)
Estimated road traffic death rate (per 100,000 population)

4.87.20  who_sanittot Total population using basic sanitation services (%)
Total population using basic sanitation services (%)

4.87.21  who_suif Suicide Rate (per 100,000 population), Female
Age-standardized suicide rates (per 100,000 population), Female
4.87.22 who_suin Suicide Rate (per 100,000 population), Male
Age-standardized suicide rates (per 100,000 population), Male

N: 36

4.87.23 who_suit Suicide Rate (per 100,000 population), Total
Age-standardized suicide rates (per 100,000 population), Total

N: 36

4.88 Geddes, Wright and Frantz
http://sites.psu.edu/dictators/
(Geddes et al., 2014)
(Data downloaded: 2019-06-19)

Autocratic Regime Data: All Political Regimes
Data to identify and analyze autocracy-to-autocracy transitions. Version 1.2. When the leader of an autocratic regime loses power, one of three things happens. The incumbent leadership group is replaced by democratically elected leaders. Someone from the incumbent leadership group replaces him, and the regime persists. Or the incumbent leadership group loses control to a different group that replaces it with a new autocracy. Much scholarship exists on the first kind of transition, but little on transitions from one autocracy to another, though they make up about half of all regime changes.

4.88.1 wr_nonautocracy Non-Autocracy
Variable on what substituted the autocracy. Classes are:

1. Democracy
2. Foreign-Occupied
3. Not-Independent
4. Provisional
5. Warlord
6. Warlord/Foreign-occupied

Variable not included in Cross-Section Data

N: N/A Min. Year: N/A Max. Year: N/A

Min. Year: 1946 Max. Year: 2010
N: 36 n: 1706 \( \bar{N} \): 26 \( \bar{T} \): 47
References


414


6 Appendix

<table>
<thead>
<tr>
<th>Country name</th>
<th>ccode</th>
<th>ccodenip</th>
<th>Data from</th>
<th>Data to</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>36</td>
<td>AUS</td>
<td>1946</td>
<td>2018</td>
<td>Statute of Westminster Adoption Act 1942</td>
</tr>
<tr>
<td>Austria</td>
<td>30</td>
<td>AUT</td>
<td>1955</td>
<td>2018</td>
<td>The State Treaty signed in Vienna 1955</td>
</tr>
<tr>
<td>Belgium</td>
<td>56</td>
<td>BEL</td>
<td>1946</td>
<td>2018</td>
<td>Independence from the Netherlands recognized 1830</td>
</tr>
<tr>
<td>Canada</td>
<td>124</td>
<td>CAN</td>
<td>1946</td>
<td>2018</td>
<td>Statute of Westminster 1931</td>
</tr>
<tr>
<td>Chile</td>
<td>152</td>
<td>CHL</td>
<td>1946</td>
<td>2018</td>
<td>Independence from Spain recognized 1844</td>
</tr>
<tr>
<td>Czech Republic</td>
<td>203</td>
<td>CZE</td>
<td>1993</td>
<td>2018</td>
<td>Dissolution of Czechoslovakia 1993</td>
</tr>
<tr>
<td>Denmark</td>
<td>208</td>
<td>DNK</td>
<td>1946</td>
<td>2018</td>
<td>Consolidation 8th century</td>
</tr>
<tr>
<td>Finland</td>
<td>246</td>
<td>FIN</td>
<td>1946</td>
<td>2018</td>
<td>Independence from Soviet Russia recognized 1918</td>
</tr>
<tr>
<td>Germany</td>
<td>276</td>
<td>DEU</td>
<td>1991</td>
<td>2018</td>
<td>Reunification 1990</td>
</tr>
<tr>
<td>Greece</td>
<td>300</td>
<td>GRC</td>
<td>1946</td>
<td>2018</td>
<td>Independence from the Ottoman Empire recognized 1830</td>
</tr>
<tr>
<td>Hungary</td>
<td>348</td>
<td>HUN</td>
<td>1946</td>
<td>2018</td>
<td>Secession from Austria-Hungary 1918</td>
</tr>
<tr>
<td>Iceland</td>
<td>372</td>
<td>ISL</td>
<td>1946</td>
<td>2018</td>
<td>Kingdom of Iceland 1918</td>
</tr>
<tr>
<td>Ireland</td>
<td>372</td>
<td>IRL</td>
<td>1946</td>
<td>2018</td>
<td>The Anglo-Irish Treaty 1921</td>
</tr>
<tr>
<td>Israel</td>
<td>376</td>
<td>ISR</td>
<td>1948</td>
<td>2018</td>
<td>Independence from Mandatory Palestine 1948</td>
</tr>
<tr>
<td>Italy</td>
<td>380</td>
<td>ITA</td>
<td>1946</td>
<td>2018</td>
<td>Unification 1951</td>
</tr>
<tr>
<td>Japan</td>
<td>392</td>
<td>JPN</td>
<td>1946</td>
<td>2018</td>
<td>National Foundation Day 660 BC</td>
</tr>
<tr>
<td>Korea, South</td>
<td>410</td>
<td>COR</td>
<td>1948</td>
<td>2018</td>
<td>Division of Korea 1948</td>
</tr>
<tr>
<td>Luxembourg</td>
<td>442</td>
<td>LUX</td>
<td>1945</td>
<td>2018</td>
<td>End of Personal Union 1890</td>
</tr>
<tr>
<td>Mexico</td>
<td>484</td>
<td>MEX</td>
<td>1946</td>
<td>2018</td>
<td>Independence from Spain recognized 1821</td>
</tr>
<tr>
<td>Netherlands</td>
<td>528</td>
<td>NLD</td>
<td>1946</td>
<td>2018</td>
<td>Independence from the Spanish Empire 1815</td>
</tr>
<tr>
<td>New Zealand</td>
<td>554</td>
<td>NZL</td>
<td>1948</td>
<td>2018</td>
<td>Statute of Westminster Adoption Act 1947</td>
</tr>
<tr>
<td>Norway</td>
<td>578</td>
<td>NOR</td>
<td>1946</td>
<td>2018</td>
<td>Dissolution of union with Sweden 1905</td>
</tr>
<tr>
<td>Poland</td>
<td>616</td>
<td>POL</td>
<td>1946</td>
<td>2018</td>
<td>Reconstitution of Poland 1918</td>
</tr>
<tr>
<td>Portugal</td>
<td>620</td>
<td>PRT</td>
<td>1946</td>
<td>2018</td>
<td>Independence from Kingdom of Leon recognized 1143</td>
</tr>
<tr>
<td>Slovakia</td>
<td>703</td>
<td>SVK</td>
<td>1993</td>
<td>2018</td>
<td>Independence from Czechoslovakia 1993</td>
</tr>
<tr>
<td>Spain</td>
<td>724</td>
<td>ESP</td>
<td>1946</td>
<td>2018</td>
<td>Nation State 1812</td>
</tr>
<tr>
<td>Sweden</td>
<td>752</td>
<td>SWE</td>
<td>1946</td>
<td>2018</td>
<td>Consolidation Middle Ages</td>
</tr>
<tr>
<td>Switzerland</td>
<td>756</td>
<td>CHE</td>
<td>1946</td>
<td>2018</td>
<td>Peace of Westphalia 1648</td>
</tr>
<tr>
<td>Turkey</td>
<td>759</td>
<td>TUR</td>
<td>1946</td>
<td>2018</td>
<td>Secession from the Ottoman Empire 1923</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>826</td>
<td>GBR</td>
<td>1946</td>
<td>2018</td>
<td>Acts of Union 1707</td>
</tr>
<tr>
<td>United States</td>
<td>840</td>
<td>USA</td>
<td>1946</td>
<td>2018</td>
<td>Independence from the Kingdom of Great Britain recognized 1783</td>
</tr>
</tbody>
</table>