

THE GLOBAL STATE OF DEMOCRACY INDICES: TECHNICAL PROCEDURES GUIDE

Version 8 (2024)



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ABOUT THIS DOCUMENT — ABOUT THIS DOCUMENT

About this document

The Global State of Democracy Indices: Technical Procedures Guide, Version 8 is the third in a set of documents prepared by International IDEA to present the Global State of Democracy (GSoD) Indices. It outlines the technical aspects of constructing the Indices, and complements The Global State of Democracy Indices Methodology: Conceptualization and Measurement Framework, Version 8 (Skaaning and Hudson 2024), which presents the theoretical framework that guided the construction of the Indices, and The Global State of Democracy Indices Codebook, Version 8 (Tufis and Hudson 2024), which presents information about the data set, including variables, attributes of democracy, subattributes, subcomponents and indicators.

The GSoD Indices depict democratic trends at the country, regional and global levels across a broad range of different attributes of democracy in the period 1975–2023 but do not provide a single index of democracy. The Indices produce data for 174 countries. The data underlying the Indices is based on 165 indicators developed by various scholars and organizations using different types of sources, including expert surveys, standards-based coding by research groups and analysts, observational data and composite measures.

The Global State of Democracy is a report that aims to provide policymakers with an evidence-based analysis of the state of global democracy, supported by the GSoD Indices, in order to inform policy interventions and identify problem-solving approaches to trends affecting the quality of democracy around the world.

The full publication, as well as the GSoD Indices Database, can be accessed online: https://www.idea.int/gsod>

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INTRODUCTION

This Guide outlines the process of constructing the Global State of Democracy (GSoD) Indices, which inform the annual Global State of Democracy Reports. It is written for readers who want a better understanding of the Indices, as well as researchers who may wish to use and build on the data contained within them. This Guide builds upon the GSoD Indices Methodology. For a detailed outline of the conceptual and measurement framework see *The Global State of Democracy Indices Methodology: Conceptualization and Measurement Framework, Version 8 (2024)* (Skaaning and Hudson 2024).

For each component of the construction of the GSoD Indices, the Guide provides information about the procedures followed, outlined in a step-by-step description to allow the interested reader to understand the research process. The eight steps can be summarized as follows:

- 1. Identifying the data sources (see Chapter 1).
- 2. Preparing the data sources for merger (see Chapter 2).
- 3. Preparing the indicators for aggregation (see Chapter 3).
- 4. Assessing the unidimensionality of the Indices (see Chapter 4).
- 5. Aggregating the indicators into Indices (see Chapter 5).
- 6. Scaling the Indices (see Chapter 6).
- 7. Computing the confidence intervals (see Chapter 7).
- 8. Conducting validity checks (see Chapter 8).

After a brief description of the theoretical structure that guided this project, the Guide presents the data sources, the coverage of the data set, the indicators used to construct the main attributes and subattributes of democracy, the

procedures used to compute these attributes and the structure of the complete

BACKGROUND

data set.

The main objective of the GSoD Indices is to identify systematic data that captures trends at the global, regional and national levels for different aspects of International IDEA's comprehensive understanding of democracy. The Indices turn a broad range of empirical indicators from various data sets into measures of different aspects (attributes, and subattributes; see Figure I.1) of democracy that can be used to evaluate the state of democracy at the global, regional and national levels. The Indices can also help stakeholders, such as policymakers, researchers and civil society actors, in their analysis of trends related to different aspects of democracy and to identify priority policy areas. The Global State of Democracy 2023: The New Checks and Balances (International IDEA 2023) is an example of how the GSoD Indices can be used to track trends in democratic development. Version 8 of the GSoD Indices (2024) covers 174 independent countries in the period 1975-2023. The Indices are composite measures based on 165 indicators from different kinds of extant data sources. These indicators are assigned to the different subattributes in the conceptual framework and combined into the GSoD Indices using either item response theory (IRT) modelling, Bayesian factor analysis (BFA) or mathematical operations such as multiplication and averaging. A key feature of the methodology is that it generates uncertainty estimates for most of the Indices, which allows users of the data set to assess whether the differences in scores over time and across countries are significant.

The GSoD Indices were produced by a team of International IDEA staff and two external experts. The initial design of the Indices was supervised by an Expert Advisory Board consisting of five leading experts in the field of democracy measurement. To ensure consistency, transparency and high levels of measurement validity and reliability, careful justification and documentation of the conceptual distinctions and methodological choices made, and the use of state-of-the-art procedures were emphasized at all stages of the construction of the Indices.

CONCEPTUAL STRUCTURE

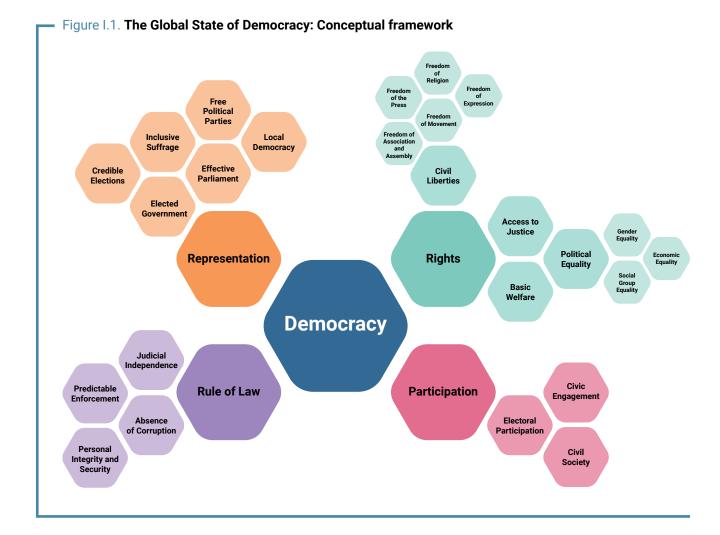
The GSoD Indices build on an elaborate conceptual framework that is rooted in International IDEA's State of Democracy (SoD) Assessment Framework (Beetham et al. 2008). The SoD Assessment Framework is defined by two principles (popular control and political equality), seven mediating values (participation, authorization, representation, accountability, transparency, responsiveness and solidarity), and four pillars (citizens, law and rights; representative and accountable government; civil society and popular participation; and democracy beyond the state). For more details, see the SoD Assessment Framework (Beetham et al. 2008) and the GSoD Indices Methodology (Skaaning and Hudson 2024). The democratic principles underpinning the SoD framework—popular control and political equality—are also at the core of the GSoD Indices. In order to construct the GSoD Indices, however, the SoD conceptual framework was modified to transform it into a systematic, cross-national and cross-temporal quantitative measurement tool (Skaaning and Hudson 2024).

The GSoD Indices aim to capture the extent to which (a) there is effective popular control over public decision makers, or vertical accountability; (b) citizens have politically relevant freedoms and power resources; (c) executive power is checked effectively by other powers, or horizontal accountability; (d) public authorities are impartial and predictable in implementing the law; and (e) people have and make use of various opportunities for political participation at different levels (Skaaning and Hudson 2024).

The GSoD data set therefore contains separate, fine-grained Indices related to four attributes of democracy (see Beetham 1999: 154–57; Beetham et al. 2008: 27–28):

- 1. Representation (free and equal access to political power).
- 2. Rights (individual liberties and resources).
- 3. Rule of Law (predictable and equal enforcement of the law, and limitation of government power).
- 4. Participation (instruments for and realization of political involvement).

In addition, the GSoD conceptual framework contains, at lower levels of abstraction, 17 subattributes and an additional 5 subcomponents of Civil Liberties and 3 subcomponents of Political Equality. Figure I.1 presents a schematic overview of the GSoD conceptual framework. Separate GSoD Indices are constructed for each attribute and subattribute (see Table I.1).



- Table I.1. Attributes, subattributes and general assessment questions of the GSoD conceptual framework

Attribute	Subattribute	Assessment question
1. Representation (free and equal access to political power)	1.1. Credible Elections	To what extent are elections free from irregularities?
	1.2. Inclusive Suffrage	To what extent do all adult citizens have voting rights?
	1.3. Free Political Parties	To what extent are political parties free to form and campaign for office?
	1.4. Elected Government	To what extent is access to government determined by elections?
	1.5. Effective Parliament	To what extent does parliament oversee the executive?
	1.6. Local Democracy	To what extent are there freely elected, influential local governments?
2. Rights (individual liberties and resources)	2.1. Access to Justice	To what extent is there equal, fair access to justice?
	2.2. Civil Liberties	To what extent are civil liberties respected?
	2.3. Basic Welfare	To what extent is there basic welfare?
	2.4. Political Equality	To what extent is there political equality?
	3.1. Judicial Independence	To what extent are the courts independent?
3. Rule of Law (predictable and equal enforcement of the law, and limitation of government power)	3.2. Absence of Corruption	To what extent is the exercise of public authority free from corruption?
	3.3. Predictable Enforcement	To what extent is the enforcement of public authority predictable?
	3.4. Personal Integrity and Security	To what extent are people free from violence?
4. Participation (instruments of and for the realization of political involvement)	4.1. Civil Society	To what extent are civil society organizations free and influential?
	4.2. Civic Engagement	To what extent do people participate in civil society organizations?
	4.3. Electoral Participation	To what extent do people participate in national elections?

Source: Skaaning, S.-E. and Hudson, A., The Global State of Democracy Indices Methodology: Conceptualization and Measurement Framework, Version 8 (Stockholm: International IDEA, 2024), p. 16, Table 2.1, https://doi.org/10.31752/idea.2024.43

Chapter 1 DATA SOURCES

International IDEA's GSoD Indices are composite measures based on 165 indicators collected from 24 different data sets. No original data collection was carried out in connection with the initial construction of the GSoD Indices. However, since 2018, International IDEA has coded new years for several of the data sets that have not been updated by their original authors.

A number of criteria guided the selection of the data sets to be used for collecting the indicators. First, only those data sets that provided transparent and credible information on data-generating processes were selected. Second, data sets were needed with extensive coverage both spatially (at least 140 countries) and temporally (at least 10 years in the period 1975–2023). Third, data sets were also needed that have been and will continue to be updated on a regular basis. Fourth, priority was given to open-access data sets.

Four different types of sources were used to collect data for these data sets:

- 1. Expert surveys (ES), for which country experts generate data based on their assessment of the situation regarding particular issues in a given country.
- Standards-based in-house coding (IC), which is used by researchers to generate data based on an evaluative assessment of country-specific information collected through desk research from various reports, academic publications, reference works or news sources.
- 3. Observational data (OD) on features that are directly observable and do not need the interpretation of experts or researchers, such as infant mortality rates or the representation of women in parliament.
- Composite measures (CM), which generate data based on a number of variables from different existing data sets rather than on original data collection.

For a more detailed discussion of the advantages and disadvantages of the various types of data used see Skaaning and Hudson (2024). Table A.1 (see Annex A) lists the 24 data sets used, the type of data they offer and the number of indicators collected from each of them.

Step 1: Gathering the data sources

The first step was to gather the data sources for use in constructing the GSoD Indices. For each data set, the most recent version of the data was downloaded, together with the corresponding codebook or other supporting documents required to understand the content of the data set.

For the most recent update of the GSoD Indices (v8, 2024), Version 14 of the Varieties of Democracy (V-Dem) data set, released in March 2024, was used. Updated versions of the Civil Liberties Dataset (CLD), the Lexical Index of Electoral Democracy (LIED) and the Media Freedom Dataset were obtained directly

from the authors. The International Country Risk Guide (ICRG) data set was purchased. For the remaining 19 data sets (see Table A.1), the versions available online were downloaded during March—May 2024. Since the CIRIGHTS, Polity5 and Political Terror Scale data sets had not been updated by that time, missing scores for 2020 to 2023 (as needed) were added by International IDEA staff based on the Human Rights Reports of the US State Department and in close consultation with the academic advisors of the GSoD Report. A copy of the downloaded data was archived for future reference. The next step in the procedure was to prepare the data to enable the indicators to be consolidated into a single data set.

Note: Examples of the syntax (code) included in this Guide are provided only for those steps that involve the actual computation of the GSoD Indices. The data cleaning procedure can be carried out in multiple ways, primarily using R.

- Table 1.1. Data sources

Data set	Data provider	Reference
Bertelsmann Stiftung's Transformation Index (BTI)	Bertelsmann Stiftung	<https: bti-project.org=""></https:>
Bjørnskov-Rode Regime Data (BRRD)	Bjørnskov and Rode	http://www.christianbjoernskov.com/bjoernskovrodedata
Child Mortality Estimates (CME)	UN Inter-agency Group for Child Mortality Estimation	https://childmortality.org
CIRIGHTS	Mark, Cingranelli and Filippov	
Civil Liberties Dataset (CLD)	Møller and Skaaning	http://ps.au.dk/forskning/forsknin
Food and Agricultural Organization of the United Nations (FAO) Food Balances	Food and Agricultural Organization of the United Nations (FAO)	https://www.fao.org/faostat/en/#data/FBS>
Freedom in the World	Freedom House	https://freedomhouse.org/report/freedom-world
Freedom on the Net	Freedom House	https://freedomhouse.org/report/freedom-net
Global Educational Attainment Distributions	Institute for Health Metrics and Evaluation (IMHE)	https://ghdx.healthdata.org/record/ ihme-data/global-educational-attainment-distributions-1970-2030>
Global Findex Database	World Bank	https://data.worldbank.org/
Global Gender Gap Report	World Economic Forum	https://www.weforum.org/reports/global-gender-gap-report-2022
Global Health Observatory	World Health Organization (WHO)	https://www.who.int/data/gho/data/ themes/topics/indicator-groups/indicator-group-details/GHO/>
Global Media Freedom Dataset (MFD)	Whitten-Woodring and Van Belle	https://faculty.uml.edu//Jenifer_whittenwoodring/MediaFreedomData_000.aspx
ILOSTAT	International Labour Organization (ILO), Department of Statistics	<https: ilostat.ilo.org=""></https:>
International Country Risk Guide (ICRG)	Political Risk Services	http://epub.prsgroup.com/products/icrg
Lexical Index of Electoral Democracy (LIED)	Skaaning, Gerring and Bartusevičius	http://ps.au.dk/forskning/ forskningsprojekter/dedere/datasets>
Political Terror Scale (PTS)	Gibney, Cornett, Wood, Haschke, Arnon and Pisanò	http://www.politicalterrorscale.org
Polity5	Marshall, Jaggers and Gurr	http://www.systemicpeace.org/inscrdata.html

Table 1.1. Data sources (cont.)

Data set	Data provider	Reference
Standardized World Income Inequality Database (SWIID)	Solt	

Chapter 2 COVERAGE

The unit of observation for International IDEA's Global State of Democracy Indices is the country—year. The 2024 release of the data set contains data for 174 countries for up to 49 years, giving a total of 8,003 country—years. Details of the spatial and temporal coverage of the data set are presented in the following sections.

SPATIAL COVERAGE

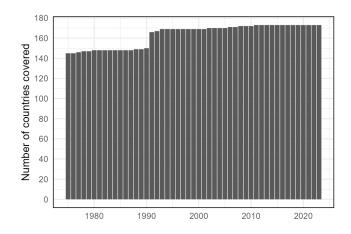
International IDEA's GSoD Indices provide data for almost all the independent countries in the world with a population in 2023 of at least 250,000 people. Countries are included in the data set from 1975 or, if the country was not independent in 1975, the year it gained independence (see Step 2). The data set does not include semi-sovereign units such as Somaliland. Countries that have been dissolved remain in the data set until they cease to exist. Using these inclusion rules, the data set is composed of 174 countries. The only country that has exited the data set is the German Democratic Republic, which was dissolved in 1990 after unification with the Federal Republic of Germany.

A complete list of the 174 countries included in the GSoD Indices data set is provided in Table B.1 (see Annex B).

TEMPORAL COVERAGE

The eighth edition of International IDEA's GSoD Indices covers the period 1975–2023. The data set covers the period since the International Covenant on Civil and Political Rights and the International Covenant on Economic, Social and Cultural Rights took effect in 1976, using 1975 as a reference point.

Figure 2.1. Temporal coverage of International IDEA's Global State of Democracy Indices, 1975–2023



Source: International IDEA, Global State of Democracy Indices, v. 8, https://www.idea.int/democracytracker/about-the-gsod-indices, accessed 10 September 2024.

Moreover, the data set starts with a period that is often referred to as 'the third wave of democratization' (Huntington 1991) in the democratization literature.

The number of countries covered each year by the GSoD Indices is shown in Figure 2.1, while Table B.1 (see Annex B) indicates the temporal coverage for each of the 174 countries included in the data set.

GEOGRAPHICAL REGIONS

International IDEA's GSoD Indices also include aggregated values at the regional and subregional levels. The regional definitions follow closely those developed by International IDEA for the Global State of Democracy (see International IDEA 2017), which creates regions based on a geographical criterion while also taking account of the cultural and historical links among countries that belong to the same subregion or region. In total, aggregated values are presented for a total of 5 regions and 18 subregions:

- 1. Africa (East Africa, Central Africa, North Africa, Southern Africa, and West Africa).
- 2. Americas (Caribbean, Central America, Northern America, and South America).
- 3. Asia and the Pacific (Central Asia, East Asia, South Asia, South-East Asia, and Oceania).
- 4. Western Asia.
- 5. Europe (Central Europe, Eastern Europe, Southern Europe, and North/Western Europe).

It should be noted that the values in the data set are aggregated without using population weights. Table B.2 (see Annex B) contains a complete list of the regions and subregions, as well as their membership.

REGIONAL ORGANIZATIONS

International IDEA's GSoD Indices also contain aggregated values for five regional and international organizations: the African Union (AU), the Association of Southeast Asian Nations (ASEAN), the European Union (EU), the Organisation for Economic Co-operation and Development (OECD) and the Organization of American States (OAS).

As in the case of the geographical regions, the values in the data set are aggregated without using population weights. A complete list of the regional organizations and their membership is given in Table C.1 (see Annex C).

Step 2: Preparing the data sources for merger

Once the coverage of the GSoD Indices had been established (174 countries, and the period 1975–2023), the next step was to prepare the various data sources used to be merged into a single data set.

The input data were subsetted to include only the country-years covered by the GSoD Indices. For example, the German Democratic Republic ceased to exist during the covered period so the country-years after its dissolution were deleted. In other cases, such as the former Soviet republics, the countries were formed during the period covered. The country-years before these countries gained independence were therefore deleted. After excluding all these country-years, the country-year matrix contained 8,003 country-years. In all cases, a standard procedure for successor states was used, broadly following the procedures of the Varieties of Democracy project. Czechia is the successor of Czechoslovakia, Russia is the successor of the Soviet Union, Serbia is a successor of Yugoslavia and so on. For a detailed description of this procedure see Coppedge et al. (2016b).

Since the different data sources came in different forms, a common set of identifying variables was created for each of the 20 data sources: the year and a country code. The numeric codes from the Correlates of War (COW code) were used for the country code variable. Some data sources, such as V-Dem, already included this variable but it had to be created for other data sources based on the name or abbreviation of the country. In the final version of the data set, these identifiers are

complemented by a country–year variable that was created by concatenating the values from the country-code variable (of between 2 and 920) with the values for the year variable (from 1975 to 2023). This resulted in a country–year variable with a value from 21975 to 9502023, which uniquely identifies each combination of country and year in the data set.

In some cases, the data sources also had to be put into country—year format. The International Country Risk Guide (ICRG) data set, for instance, comes in a wide format that had to be transformed into the long format by transposing the variable years into country—years.

The GSoD Indices data set also includes mean values for geographical regions and subregions, treating them as units within the data set. To facilitate analysis, codes for the regions and subregions were added to the variable indicating the country codes. These are additional to the country codes based on the COW codes. The codes from 971 to 989 were reserved for the geographical subregions, while the codes from 991 to 996 were reserved for the geographical regions and code 999 reserved for the whole world. The same approach was used for the regional organizations included in the data set. Codes 961 to 965 were reserved for them. Unique country-year identifiers were also constructed for these additional regions and regional organizations by concatenating their codes and the years. For more details about the codes reserved for the geographical regions and subregions and for the regional organizations see the GSoD Codebook (Tufis and Hudson 2024).

Chapter 3 INDICATORS

The GSoD Indices conceptual framework guided the selection of the indicators to be included in the data set. The indicators rely on various types of sources and are collected from extant data sets compiled by different organizations and researchers. The main priority in the selection of indicators was a high level of concept—measure consistency, or the extent to which the indicators really capture the core meaning of the particular concepts in question. In addition, the aim wherever possible was to select multiple indicators for each subattribute—especially where an adequate observable indicator was not available.

Assuming the selection of high-quality indicators, a cumulative approach to measurement generally improves confidence in the scores since it utilizes the combined efforts of various data providers in order to make the resulting measures more nuanced and reliable. The use of different indicators enables the capture of related, but nonetheless distinct, aspects of the features to be measured. It also tends to reduce the influence of idiosyncratic measurement errors associated with individual indicators. Finally, drawing on several indicators makes it possible to assess the level of agreement between indicators and use this information to calculate uncertainty estimates for the Indices (see Pemstein, Meserve and Melton 2010; Fariss 2014).

Each of the 165 indicators selected from the 24 data sources corresponds to one of the subattributes or attributes of democracy developed for International IDEA's GSoD Indices. Tables in Annex D detail the indicators used in each of the aggregated indices, the sources of these indicators, and the coverage and extent of missingness for each indicator (see Annex D). There is an extensive discussion on the selection of indicators in Skaaning and Hudson (2024), while detailed information on each of the indicators is available in Tufis and Hudson (2024).

Step 3: Preparing the indicators for aggregation

All the indicators selected for inclusion in International IDEA's GSoD Indices have been put through a process of data cleaning to ensure that the data is correct and follows the country—year format. The GSoD Codebook indicates for each indicator whether it was changed in any way from the original data and, if so, lists the specific changes. Only the types of changes made to prepare the indicators are set out below. These can be grouped into two main categories: (a) recoding the data and (b) interpolation of data.

Different types of recoding procedures were used for different indicators in order to prepare them for calculating the GSoD Indices. First, in some cases, the original data included specific codes for missing values. All the specific codes for missing values were recoded as system missing, indicating that the value for that variable for the particular country—year is not available.

Second, for all those variables that were measured on an interval-level scale and that were aggregated using item response theory (IRT) models, the original variables were recoded into ordinal-level variables. For more details about the aggregating procedures used see Skaaning and Hudson (2024: section 3.4). The recoding was done by grouping the original data into 20 categories, each of five percentiles. In this way, interval-level variables ranging from approximately -3.5 to approximately 3.5 were recoded into ordinal-level variables ranging from 1 (the first category, comprised of the bottom five percentiles) to 20 (the last category, comprised of the top five percentiles).

Third, some indicators had categories with very few cases (country-years). As a general rule, categories

with less than 1 per cent of the data were recoded into adjacent categories (see the Codebook). Fourth, in some cases the scale was inverted so that all indicators included in an index run in the same direction, with low values indicating absence or low levels of an attribute and high values indicating presence or high levels of an attribute.

With respect to interpolating the data—that is, replacing missing values with reasonable estimates of values in order to increase the coverage of an indicator—different approaches were used, depending on the characteristics of the specific indicator being analysed.

Two different types of interpolation were used for indicators from data sources that did not code the data every year. For indicators related to electoral processes, the values from the election year were duplicated for the remaining years in the electoral cycle. For instance, the value observed for voter turnout in a particular country in 1976 was used for the remaining years in the electoral cycle, 1977, 1978 and 1979, until a new election was held with a new observed value for voter turnout in 1980. For other indicators, which were measured at various time intervals and where the phenomenon being measured is likely to change only slowly, linear interpolation was used from one measurement to the next, assuming a linear process of change over time. For some other observational indicators (e.g. literacy), where there is a great deal of missing data (for example, one observation every 10 years), Stineman interpolation was used to approximate the missing values between valid observations.

Chapter 4

ASSESSING THE UNIDIMENSIONALITY OF THE INDICES

Both this step and the following step translate the theoretical links between the attributes and subattributes, and between the subattributes and indicators, into corresponding aggregation formulas. The GSoD framework is based on the assumption that the more the principles are met, the more democratic a political system is. Thus, the achievement of these principles is not seen as an either/or matter, but as a matter of degree. The choice made of the measurement process—to construct Indices with relative, fine-grained scales and uncertainty estimates but without substantive thresholds—also aligns better with this gradualist perspective than crisp distinctions.

Reflective aggregation models and formative aggregation models were used to combine the various indicators into composite Indices. Where indicators of the theoretical constructs reflected a common underlying variable and/or generally showed very high levels of covariation, aggregation based on item response theory (IRT) models or Bayesian factor analysis (BFA) was used. For a detailed discussion of the distinction between formative and reflective indicators, and for detailed descriptions of the aggregation methods used, see Skaaning and Hudson (2024).

It should be noted that, regardless of the aggregation method used, the goal in all cases was the same: to use the information contained in multiple indicators that are measuring different facets of the same phenomenon to construct an index that measures better than its composing indicators the phenomenon that is to be measured. Both IRT and BFA are data reduction procedures that combine the various interrelated indicators into a single measure.

Many of the selected indicators were expected to cluster in meaningful ways and to tap into a limited number of overarching concepts. These expectations were based on theoretical grounds and because previous dimensionality analyses of these (and related) indicators have shown that many of them are highly correlated and reflect common latent dimensions (see e.g. Skaaning 2009; Møller and Skaaning 2014a, 2014b; Teorell et al. 2016).

ITEM RESPONSE THEORY

IRT modelling was used at the lowest level of aggregation (subattribute or subcomponent level) if there was a significant amount of missing data (more than 5 per cent) in any of the indicators used to reflect the concept in question. This allowed use of multiple indicators of the same latent concept 'to identify and correct for measurement error, and to quantify confidence in the reliability of our estimates' (Pemstein et al. 2015: 30). A lack of overlap in the coverage of indicators does not result in missing values in estimates for the affected country—years, as would be the case if using factor analysis. Using full information maximum likelihood IRT models means that all the relevant information from the indicators can be used. The missing data in some indicators are then reflected in the uncertainty estimates, which also reflect the level of agreement between indicator scores, or the extent to which they are correlated. If none of the indicators provides data for a given country—year, no estimate is calculated for this country—year. The *mirt* package developed by Philip Chalmers (2020) was used to conduct the modelling.

BAYESIAN FACTOR ANALYSIS

If there is virtually perfect overlap in the measures, then BFA becomes a more viable option. Like IRT models, BFA provides point estimates for the latent dimension and confidence intervals, but it does so only for country—years with uniform indicator coverage. BFA was therefore used to combine indicators only if all of them had a low level of missing data. Moreover, when applicable, BFA was used to combine subcomponent scores into subattribute scores, and thereafter subattribute scores into attribute scores (i.e. if the measures were expected to reflect the same latent concept in the framework, and when the indicators/Indices to be aggregated showed very strong correlations). For BFA the MCMCpack package in R was used (Martin, Quinn and Park 2020).

FORMATIVE APPROACH

When indicators are understood as constitutive components of the concept of interest, this means that the indicators are not necessarily highly correlated. Here, the use of a formative approach is more plausible. Formative models were used in the GSoD framework when a particular version of the procedure was judged to be more appropriate than purely reflective procedures. Hence, a formative model was used to combine the contestation index with an inclusiveness indicator to create the Representation index, and a formative model was also used to aggregate indicators related to Local Democracy (see Step 5: Aggregating the indicators into Indices).

Step 4: Assessing the unidimensionality of Indices

Aggregating multiple indicators into a single index rests on the assumption that the indicators are interrelated, and that they are measuring different manifestations/ forms of the same phenomenon. These assumptions, however, have to be tested and confirmed before proceeding with constructing the Indices. Four different ways were used to test the assumption or verify that the indicators could be combined into Indices.

First, the bivariate correlations among all the indicators included in an index were computed for all the Indices. There was an expectation that all the indicators included in an index would be interrelated (correlated), which indicates that they are measuring some aspect of the phenomenon that the index is supposed to measure. The correlation tables are presented in Annex F. Most of the indicators are highly to very highly correlated with the other indicators belonging to the same index. The correlations usually range from 0.6 to 0.9, and most of them are higher than 0.8. Some indicators display only medium correlations of around 0.4 to 0.5, but these are few in number and there are theoretical reasons for keeping them as part of the construction of the index.

Second, high correlations among the indicators are necessary, but not sufficient for constructing the Indices. Since the goal is to construct one index for each of the main attributes of democracy, the indicators that are

included in an index have to be related in such a way that they measure the same attribute (a single factor.) Thus, a number of factor analyses were computed that allow one of up to three factors to be extracted, depending on the number of indicators included in the index. (The results of these analyses are not shown but are available on request). In all cases, the single factor solution was better than possible two- or three-factor solutions, suggesting that the Indices can be reduced to a single dimension.

Third, Bayesian factor analyses were computed, asking for single factor extraction for all the Indices. The results of these analyses (see Annex E) show that the indicators have very high loadings on the Indices to which they belong.

Fourth, for each index the Cronbach's alpha coefficient was also computed to assess the internal consistency of the indicators as a group. The smallest value recorded for Cronbach's alpha was 0.723, while 16 of the 28 Indices for which this measure is relevant had a Cronbach's alpha higher than 0.90. All but two of the values were above the usually accepted threshold of 0.80.

All the results discussed above support the argument that the indicators reflect common latent dimensions where they are expected to do so, which justifies aggregating them into a single index.

Chapter 5

AGGREGATING THE INDICES

As indicated in Chapter 4, two different methods were used to aggregate indicators into Indices—IRT and BFA. The choice between the two methods was determined solely by the proportion of missing values in the indicators included in each index. In the case of the two subattributes that are themselves aggregated from subcomponents (Civil Liberties, and Political Equality) that include indicators, the indicators were first aggregated into the subcomponents and the subcomponents then into subattributes.

When using IRT as an aggregating procedure, the scores were estimated using the *mirt* package in R. Box 5.1 is an example of the syntax used to estimate the scores. The *mirt* package gives two estimates for each index—the estimate and its standard error for each country—year that has at least one valid value on the indicators that compose the index. The estimates and their standard errors are saved in an output file and then imported into the data set where they can be used for additional computations if needed.

When using BFA as an aggregating procedure, the scores were estimated using the MCMCpack package in R, more specifically the MCMCfactanal command. Box 5.2 provides an example of the syntax used to estimate the scores. For each index, the MCMCpack package gives two estimates, the estimate and its standard error, for each country—year that has valid values on all the indicators that compose the index. The estimates and their standard errors are saved in an output file and then imported into the data set, where they can be used for additional computations if needed.

The aggregation rules used for each subcomponent, subattribute and attribute computed are shown in Table 5.1.

Box 5.1. Syntax for aggregating indicators into Indices using IRT

```
### Freedom of expression component ####
# subset the data for input
free_express_input <- working_data %>%
    dplyr::select(v_22_01:v_22_11) %>%
    filter_all(any_vars(!is.na(.)))
# run the IRT model
free_express_irt <- mirt(free_express_input, 1, itemtype = 'graded', technical = list(NCYCLES = 5000))
# save the scores
free_express_scores <- fscores(free_express_irt, method = 'MAP', full.scores = TRUE, full.scores.SE = TRUE)</pre>
```

Note: For more detail on the options for the procedures used see Chalmers (2020).

Box 5.2. Syntax for aggregating indicators into Indices using BFA

```
start_time <- Sys.time()
civil_lib_bfa <- MCMCfactanal(~ free_express_est + free_press_est + free_assoc_assem_est + free_relig_est + free_move_est,
factors = 1, lambda.constraints = list(), data = civil_lib_vars,
burnin = 5000, mcmc = 100000, thin = 100, verbose = 1000, seed = NA,
lambda.start = NA, psi.start = NA, l0=0, L0=0, a0=0.001, b0=0.001,
store.scores=TRUE, std.var = TRUE)
end_time <- Sys.time()
civil_lib_proc_time <- end_time - start_time
beep()
# save the summary
sum.civil_lib <- summary(civil_lib_bfa)
```

Note: For more detail on the options for the procedures used see Martin, Quinn and Park (2020).

Table 5.1. Aggregation rules for the creation of Indices at the attribute and subattribute levels

Attribute	Aggregation	Subattribute	Aggregation
	Bayesian factor analysis of credible elections, free political parties, elected government, effective parliament, and local democracy to create contestation index; thereafter, multiplication of contestation and inclusive suffrage	1.1. Credible Elections	Item response modelling
		1.2. Inclusive Suffrage	Weighted average
1. Representation (free and equal		1.3. Free Political Parties	Item response modelling
access to political power)		1.4. Elected Government	Item response modelling
		1.5. Effective Parliament	Item response modelling
		1.6. Local Democracy	Multiplication
2. Rights (individual liberties and	Bayesian factor analysis	2.1. Access to Justice	Item response modelling
		2.2. Civil Liberties	First item response modelling by subcomponents (i.e. Freedom of Expression [IRT], Freedom of the Press [IRT], Freedom of Association and Assembly [IRT], Freedom of Religion [IRT], and Freedom of Movement [IRT]). Thereafter, Bayesian factor analysis of subcomponent indices.
resources)		2.3. Basic Welfare	Item response modelling
		2.4. Political Equality	First item response modelling by subcomponents (i.e. Social Group Equality, Economic Equality, and Gender Equality). Thereafter, Bayesian factor analysis of subcomponent indices.
3. Rule of Law (predictable and equal enforcement of the law, and limitation of government power)	Bayesian factor analysis	3.1. Judicial Independence	Item response modelling
		3.2. Absence of Corruption	Item response modelling
		3.3. Predictable Enforcement	Item response modelling
		3.4. Personal Integrity and Security	Item response modelling

Table 5.1. Aggregation rules for the creation of Indices at the attribute and subattribute levels (cont.)

Attribute	Aggregation	Subattribute	Aggregation
4. Participation (instruments for realization of political involvement)	Item response modelling	4.1. Civil Society	Item response modelling
		4.2. Civic Engagement	Item response modelling
		4.3. Electoral Participation	N/A (only one indicator)

Step 5: Aggregating the indicators into Indices

Representation: As the data series for many of the indicators begins after 2000, four of the six subattributes were aggregated using IRT. The Inclusive Suffrage subattribute was computed as a weighted average of its two indicators. The Local Democracy index is computed through a multiplication of the two source indices. In a final step, all the country–years without an electoral regime according to V-Dem were scored the minimum value of 0.

The Inclusive Suffrage indicator was combined with the other five subattributes to construct an overall Representation index but only after the construction of an 'intermediate' index based on the other subattribute Indices. Inspired by Dahl's theoretical distinction between two dimensions of representative governmentcontestation and inclusion (1971, 1989; see also Coppedge, Alvarez and Maldonado 2008; Miller 2015)the factor scores from a BFA were first used to construct a contestation index. Thereafter, a formative aggregation procedure was chosen to combine the contestation index with the suffrage measure. Although contestation and inclusion are not highly correlated, they both constitute necessary conditions for representative government. Accordingly, the representation index is based on a multiplication of the suffrage scores and the contestation index (both first re-scaled to vary between zero and one).

Rights: Much like the subattributes of Representation, there is incomplete coverage in the source indicators

for Rights. Therefore, both Access to Justice and Basic Welfare indices were estimated through IRT. Regarding the second subattribute of Rights—Civil Liberties—all five subcomponent indices were constructed using IRT. In the next step, BFA was used to reduce the highly correlated subcomponents into a single index score for the Civil Liberties subattribute. IRT was used to construct the three subcomponents of the Political Equality subattribute, which were then combined in the subattribute using BFA. Finally, the four Rights subattributes were aggregated into the Rights index using BFA.

Rule of Law: As with the other attributes, the subattributes scores were estimated with IRT modelling, as incomplete temporal coverage in source indicators prevents the use of BFA. These subattribute scores were then used to estimate the Rule of Law index using a BFA model.

Participation: As with the other attributes, incomplete temporal coverage in source indicators prevents the use of BFA for the subattribute scores. The first two subattributes (Civil Society and Civic Engagement) were estimated using IRT. The Electoral Participation score is simply the reported turnout as a percentage of the voting age population and requires no further calculations. The three subattribute scores were then used to estimate the Participation index using an IRT model.

Chapter 6 SCALING

All the Indices in the data set offer nuanced scores in the form of interval scale measurement. The Indices have been normalized (Step 6) to range from 0 (lowest achievement among all the country—years) to 1 (highest achievement among all the country—years). A score of 0 generally refers to the worst performance in the whole sample of country—years covered by a particular index, while 1 refers to the best country—year performance in the sample. For a number of Indices, however, 0 also has an absolute meaning as the lowest score that is theoretically possible. The subattribute Indices capturing Credible Elections, Elected Government, Direct Democracy and Local Democracy all have substantively meaningful minimum values that refer to the total absence of the features in question.

Step 6: Scaling the Indices

The normalization of the Indices was carried out by subtracting for each country—year the minimum score for the index from the value of the country—year and by dividing the result by the difference between the maximum and the minimum value of the index. The formula used for the normalization of the Indices was:

$$x'i = (xi-min(xi)) / (max(xi)-min(xi))$$

where xi represents the value of index x for country–year i, while x'i represents the normalized value of index x for country–year i.

In this way, the lowest value in the population of country—years in the data set becomes 0, while the highest value in the same population of country—years in the data set becomes 1, and all the remaining country—years are given values between these two values.

Chapter 7 CONFIDENCE INTERVALS

For most indices, the yearly scores for each country are accompanied by uncertainty estimates, which can be used to assess whether differences between countries and within countries over time are significant. These uncertainty estimates, in the form of confidence intervals or margins of error, reflect the statistically likely range for the country—year index scores based on the indicators used.

The GSoD Indices confidence levels refer to one standard deviation below and above the estimated score. This means that about 68 per cent of the 'true' values would be found within these intervals. Confidence intervals are only available for those Indices that are constructed from multiple indicators. The more the underlying indicators are in agreement regarding the scoring (high-low) of a particular aspect of democracy, the narrower the confidence intervals. The more the underlying indicators are in disagreement, the wider the confidence intervals.

If the confidence levels overlap when comparing the scores for two or more countries on the same GSoD (attribute) index, the difference between the scores is less than two standard deviations and is therefore not statistically significant at the p=0.05 level. Similarly, overlapping confidence intervals for different years when comparing the scores of one country for a particular GSoD index also indicate that the difference is statistically insignificant. More generally, short-term fluctuations are hard to capture and should be interpreted with caution, while it is usually possible to be certain about longer-term trends.

Step 7: Computing the confidence intervals

Confidence intervals were computed by subtracting or adding the standard error from/to the estimated score. The lower bound of the 68 per cent confidence interval was computed by subtracting the standard error from the estimated score of the index, while the upper bound of the 68 per cent confidence interval was computed by adding the standard error to the estimated score of the index. These values were saved in the data set so that each index is represented by three different values:

the point estimate and the two limits of the confidence interval. Confidence intervals have been computed for all the attributes and subattributes of democracy with the exception of Electoral Participation (4.3), which is composed of a single indicator, and the Inclusive Suffrage (1.2), Direct Democracy (0.0) and Local Democracy (1.6) subattributes, which are aggregated using a formative formula.

Chapter 8

VALIDITY CHECKS

A series of validity checks was run throughout the process of constructing the GSoD Indices to verify that they truly measure what they are thought to be measuring. Comparisons with extant measures should indicate a high degree of correspondence between the GSoD measures and existing measures of the same phenomena.

Step 8: Validity checks

As discussed in Step 4, the dimensionality of each index was tested by running bivariate correlations for the indicators included in the index and various factor analyses, and computing Cronbach's alpha coefficients. The correlation coefficients are shown in Annex F and the data from the dimensionality tests in Annex E.

In addition to the unidimensionality tests discussed above, a second type of validity check compared extant measures that attempt to capture relatively similar aspects of democracy at the attribute, subattribute or subcomponent levels. These measures were taken from eight large-scale data collection projects: the Bertelsmann Transformation Index (Bertelsmann Stiftung, various years); the Democracy Index (Economist Intelligence Unit 2016); the Freedom in the World survey (Freedom House 2017); the Perceptions of Electoral Integrity (PEI) data (Norris et al. 2016); Polity5 data (Marshall and Gurr 2020); the Worldwide Governance Indicators (Kaufmann, Kraay and Mastruzzi 2010); the Rule of Law Index (World Justice Project 2016); and the Varieties of Democracy (Coppedge et al. 2016a). For a summary of these data sets see Table G.1 in version 4 of the Technical Procedures Guide (Tufis 2020).

Assuming that the extant measures are valid, high correlations would indicate that the GSoD Indices are also valid. If the extant measures are based on similar or the same information, high correlations would indicate that the GSoD Indices are reliable. However, correlations should be interpreted with caution since none of the extant measures are perfect and many of them capture slightly different concepts compared to the GSoD Indices.

An additional validity check conducted for both indicators and Indices as constructed at various levels of aggregation was to plot the indicators and Indices over time for each country in the data set and visually check their validity using country-specific expertise. This allowed easy identification of whether the Indices constructed corresponded to or contradicted team-based knowledge of the situation in a particular country.

Finally, all the countries in each of the Indices were sorted at 10-year intervals (1975, 1985, 1995, 2005 and 2015) to check again the face validity of the Indices by comparing their relative position at these times, as well as the changes in their relative position over time, to confirm that these conformed with existing knowledge of the evolution of different countries over the period.

CONCLUSION

This Guide presents the technical procedures used to construct International IDEA's Global State of Democracy Indices to provide a guide for those who want a better understanding of how the Indices were constructed and, eventually, for those who want to use, modify or build on the Indices. It provides a detailed step-by-step description of the procedures used, allowing the interested reader to follow each step.

It should be noted that this technical methodology only provides information about the method used to construct the Indices. The information presented in this document builds on and is complemented by an elaborate discussion of the conceptual background to the Indices in the GSoD Indices Methodology (Skaaning and Hudson 2024). If the reader is interested in a particular indicator used, more information is available in the GSoD Codebook (Tufis and Hudson 2024). These three documents taken together provide complete information on the GSoD Indices.

The Annexes present additional information that some readers or users of the GSoD Indices might find useful, including a complete list of the data sets used as data sources (Annex A); a list of the countries, regions and subregions in the GSoD data set (Annex B); a list of the regional organizations included in the GSoD data set (Annex C); the attributes, subattributes and indicators included in the GSoD data set (Annex D); and the results of the unidimensionality and validity tests performed during the creation of the GSoD data set (Annexes E and F).

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Annex A. Sources

Table A.1. Data sets used for collecting indicators

Data provider/source name	Data type	No. of indicators	Spatial coverage	Temporal coverage
Bertelsmann Transformation Index	ES	16	140 countries	2006-2023
Bjørnskov and Rode	IC	1	208 countries	1950-2023
CIRIGHTS	IC	10	195 countries	1981-2023
Civil Liberties Dataset	IC	5	204 countries	1975-2023
Freedom in the World	ES	23	211 countries	2012-2023
Freedom on the Net	ES	3	71 countries	2011-2023
Global Findex Database	OD	1	217 countries	2011-2022
Global Gender Gap Report	IC	1	161 countries	2006-2023
Global Health Observatory, World Health Organization	OD	2	183 countries	2000-2019
Global Media Freedom Dataset	IC	1	166 countries	1975-2023
Institute for Health Metrics and Evaluation	OD	2	195 countries	1970-2030
International Country Risk Guide	ES	4	146 countries	1984-2023
International IDEA Electoral Processes	OD	1	202 countries	1945-2024
International Labour Organization (ILO), Department of Statistics	OD	2	227 countries	1948-2023
Lexical Index of Electoral Democracy	IC, OD	3	242 countries	1789-2023
Political Terror Scale	IC	1	173 countries	1976-2023
Polity	IC	4	194 countries	1776-2023
Standardized World Income Inequality Database (SWIID)	OD	1	199 countries	1960-2023
UN Food and Agriculture Organization	OD	1	186 countries	1961-2021
UN Inter-agency Group for Child Mortality Estimation	OD	1	196 countries	1960-2023
UN World Population Prospects	OD	1	212 countries	1960-2022
UNESCO Institute for Statistics	OD	1	166 countries	1970-2023
United Nations E-Government Survey	ES	1	193 countries	2003-2022
V-Dem	ES	79	202 countries	1789-2023

Notes: ES = expert surveys; IC = standards-based in-house coding; OD = observational data; CM = composite measures.

Annex B. Countries, regions and subregions included in International IDEA's GSoD Indices

Table B.1. List of countries included in International IDEA's GSoD Indices

Country	First year	Last year	Country-years
Afghanistan	1975	2023	49
Albania	1975	2023	49
Algeria	1975	2023	49
Angola	1975	2023	49
Argentina	1975	2023	49
Armenia	1991	2023	33
Australia	1975	2023	49
Austria	1975	2023	49
Azerbaijan	1991	2023	33
Bangladesh	1975	2023	49
Barbados	1975	2023	49
Belarus	1991	2023	33
Belgium	1975	2023	49
Benin	1975	2023	49
Bhutan	1975	2023	49
Bolivia	1975	2023	49
Bosnia and Herzegovina	1992	2023	32
Botswana	1975	2023	49
Brazil	1975	2023	49
Bulgaria	1975	2023	49
Burkina Faso	1975	2023	49
Burundi	1975	2023	49
Cabo Verde	1975	2023	49
Cambodia	1975	2023	49

Country	First year	Last year	Country-years
Georgia	1991	2023	33
German Democratic Republic	1975	1990	16
Germany	1975	2023	49
Ghana	1975	2023	49
Greece	1975	2023	49
Guatemala	1975	2023	49
Guinea	1975	2023	49
Guinea-Bissau	1975	2023	49
Guyana	1975	2023	49
Haiti	1975	2023	49
Honduras	1975	2023	49
Hungary	1975	2023	49
Iceland	1975	2023	49
India	1975	2023	49
Indonesia	1975	2023	49
Iran	1975	2023	49
Iraq	1975	2023	49
Ireland	1975	2023	49
Israel	1975	2023	49
Italy	1975	2023	49
Jamaica	1975	2023	49
Japan	1975	2023	49
Jordan	1975	2023	49
Kazakhstan	1991	2023	33
Kenya	1975	2023	49
Kosovo	2008	2023	16
Kuwait	1975	2023	49
Kyrgyzstan	1991	2023	33
Lao People's Democratic Republic	1975	2023	49
Latvia	1991	2023	33
Lebanon	1975	2023	49

Country	First year	Last year	Country-years
Papua New Guinea	1975	2023	49
Paraguay	1975	2023	49
Peru	1975	2023	49
Philippines	1975	2023	49
Poland	1975	2023	49
Portugal	1975	2023	49
Qatar	1975	2023	49
Republic of Korea	1975	2023	49
Republic of Moldova	1991	2023	33
Romania	1975	2023	49
Russian Federation	1975	2023	49
Rwanda	1975	2023	49
Saudi Arabia	1975	2023	49
Senegal	1975	2023	49
Serbia	1975	2023	49
Sierra Leone	1975	2023	49
Singapore	1975	2023	49
Slovakia	1993	2023	31
Slovenia	1991	2023	33
Somalia	1975	2023	49
South Africa	1975	2023	49
South Sudan	2011	2023	13
Spain	1975	2023	49
Sri Lanka	1975	2023	49
Sudan	1975	2023	49
Suriname	1975	2023	49
Sweden	1975	2023	49
Switzerland	1975	2023	49
Syrian Arab Republic	1975	2023	49
Taiwan	1975	2023	49
Tajikistan	1991	2023	33

Country	First year	Last year	Country-years
Tanzania	1975	2023	49
Thailand	1975	2023	49
Timor-Leste	2002	2023	22
Togo	1975	2023	49
Trinidad and Tobago	1975	2023	49
Tunisia	1975	2023	49
Turkey	1975	2023	49
Turkmenistan	1991	2023	33
Uganda	1975	2023	49
Ukraine	1991	2023	33
United Kingdom of Great Britain and Northern Ireland	1975	2023	49
United States of America	1975	2023	49
Uruguay	1975	2023	49
Uzbekistan	1991	2023	33
Vanuatu	1980	2023	44
Venezuela	1975	2023	49
Viet Nam	1975	2023	49
Yemen	1975	2023	49
Zambia	1975	2023	49
Zimbabwe	1975	2023	49

Notes: The country names in this table do not represent the official position of International IDEA with regard to the legal status of, or policy on, the entities mentioned. It is a harmonization of often-divergent lists and practices.

Table B.2. Division of countries into regions and subregions as covered by the GSoD Indices

Region/subregion

Country

Africa	
East Africa	Burundi, Comoros, Djibouti, Eritrea, Ethiopia, Kenya, Rwanda, Somalia, Tanzania, Uganda
Central Africa	Cameroon, Central African Republic, Chad, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Republic of Congo
Southern Africa	Angola, Botswana, Eswatini, Lesotho, Madagascar, Malawi, Mauritius, Mozambique, Namibia, South Africa, Zambia, Zimbabwe
West Africa	Benin, Burkina Faso, Cabo Verde, Côte d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, Togo
North Africa	Algeria, Egypt, Libya, Morocco, South Sudan, Sudan, Tunisia
Americas	
The Caribbean	Barbados, Cuba, Dominican Republic, Haiti, Jamaica, Trinidad and Tobago
Central America	Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama
South America	Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Uruguay, Venezuela
North America	Canada, United States of America
Asia and the Pacific	
Central Asia	Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan
East Asia	China, Democratic People's Republic of Korea, Japan, Mongolia, Republic of Korea, Taiwan
South Asia	Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka
South-East Asia	Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Philippines, Singapore, Thailand, Timor-Leste, Viet Nam
Oceania	Australia, Fiji, New Zealand, Papua New Guinea, Solomon Islands, Vanuatu
Western Asia	
Western Asia	Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Palestine, Qatar, Saudi Arabia, Syrian Arab Republic, United Arab Emirates, Yemen

Region/subregion

Country

Europe	
Central Europe	Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Czechia, Estonia, German Democratic Republic, Hungary, Kosovo, Latvia, Lithuania, Montenegro, North Macedonia, Poland, Romania, Serbia, Slovakia, Slovenia
Eastern Europe	Armenia, Azerbaijan, Belarus, Georgia, Republic of Moldova, Russian Federation, Ukraine
North and West Europe	Austria, Belgium, Denmark, Finland, France, Germany, Iceland, Ireland, Luxembourg, Netherlands, Norway, Sweden, Switzerland, United Kingdom of Great Britain and Northern Ireland
Southern Europe	Cyprus, Greece, Italy, Malta, Portugal, Spain, Turkey

Notes: The country names in this table do not represent the official position of International IDEA with regard to the legal status of, or policy on, the entities mentioned. It is a harmonization of often-divergent lists and practices.

Annex C. Regional organizations included in the data set

Table C.1. Regional organizations included in the data set

Regional organization	Countries
African Union (AU)	Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cabo Verde, Cameroon, Central African Republic, Chad, Congo, Comoros, Côte d'Ivoire, Democratic Republic of the Congo (DRC), Djibouti, Egypt, Equatorial Guinea, Eritrea, Eswatini, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe
Association of Southeast Asian Nations (ASEAN)	Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Viet Nam
European Union (EU)	Austria, Belgium, Bulgaria, Croatia, Cyprus, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom
Organisation for Economic Co-operation and Development (OECD)	Australia, Austria, Belgium, Canada, Chile, Colombia, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Japan, Latvia, Lithuania, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Slovakia, Slovenia, Republic of Korea, Spain, Sweden, Switzerland, Turkey, United Kingdom, United States
Organization of American States (OAS)	Argentina, Barbados, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, United States, Uruguay, Venezuela

Annex D. Attributes, subattributes and indicators

ATTRIBUTES, SUBATTRIBUTES, ASSESSMENT QUESTIONS AND EMPIRICAL INDICATORS

Table D.1. Attribute 1. Representation

Subattributes	Assessment questions	No.	Indicators
		1.1.1	EMB autonomy
		1.1.2	EMB capacity
		1.1.3	Election other voting irregularities
		1.1.4	Election government intimidation
		1.1.5	Election free and fair
1.1. Credible Elections	To what extent are elections free from irregularities?	1.1.6	Competition
		1.1.7	A3 Electoral process
		1.1.8	B2 Political Pluralism and Participation
		1.1.9	B3 Political Pluralism and Participation
		1.1.10	Free and fair elections
1.2. Inclusive	To what extent do all adult citizens have voting	1.2.1	Suffrage
Suffrage	rights?	1.2.2	Election voter registry
		1.3.1	Party ban
		1.3.2	Barriers to parties
		1.3.3	Opposition parties' autonomy
1.3. Free Political	To what autant are nolitical neutice free to form	1.3.4	Elections multiparty
Parties	To what extent are political parties free to form and campaign for office?	1.3.5	Competitiveness of participation
		1.3.6	Multiparty elections
		1.3.7	B1 Political Pluralism and Participation
		1.3.8	Party system

Subattributes	Assessment questions	No.	Indicators
		1.4.1	Elected officials index
		1.4.2	Competitiveness of executive recruitment
		1.4.3	Openness of executive recruitment
1.4. Elected	To what extent is access to government	1.4.4	Electoral
Government	determined by elections?	1.4.5	A1 Electoral Process
		1.4.6	A2 Electoral Process
		1.4.7	C1 Functioning of Government
		1.4.8	Lexical index of electoral democracy
		1.5.1	Legislature questions officials in practice
4.5.500 .:		1.5.2	Executive oversight
1.5. Effective Parliament	To what extent does parliament oversee the executive?	1.5.3	Legislature investigates in practice
		1.5.4	Legislature: opposition parties
		1.5.5	Executive constraints
1.6. Local	To what extent are there freely elected, influential local governments?	1.6.1	Local government index
Democracy		1.6.2	Subnational elections free and fair

Table D2. Attribute 2. Rights

Subattributes	Assessment questions	No.	Indicators
		2.1.1	Access to justice for men
		2.1.2	Access to justice for women
		2.1.3	Judicial corruption decision
2.1. Access to Justice	To what extent is there equal, fair access to justice?	2.1.4	Judicial accountability
		2.1.5	Fair trial
		2.1.6	F2 Rule of Law
		2.1.7	Civil rights
		Subcomp	onent 2.2.A. Freedom of Expression
		2.2.1	Freedom of discussion for women
		2.2.2	Freedom of discussion for men
		2.2.3	Freedom of academic and cultural expression
		2.2.4	Freedom of opinion and expression
		2.2.5	Freedom of speech and press
		2.2.6	A. Obstacles to access
		2.2.7	B. Limits on content
		2.2.8	C. Violations of user rights
	To what extent are civil liberties respected?	2.2.9	D3 Freedom of Expression and Belief
2.2. Civil Liberties		2.2.10	D4 Freedom of Expression and Belief
		2.2.11	Freedom of expression
		Subcomp	onent 2.2.B. Freedom of the Press
		2.2.12	Print/broadcast censorship effort
		2.2.13	Harassment of journalists
		2.2.14	Media self-censorship
		2.2.15	Critical print/broadcast media
		2.2.16	Print/broadcast media perspectives
		2.2.17	Media bias
		2.2.18	Media corrupt
		2.2.19	Media freedom INVERTED
		2.2.20	D1 Freedom of Expression and Belief

Subattributes	Assessment questions	No.	Indicators
		Subcomp and Asse	onent 2.2.C. Freedom of Association mbly
		2.2.21	CSO entry and exit
		2.2.22	CSO repression
		2.2.23	Freedom of peaceful assembly
		2.2.24	Freedom of association and assembly
		2.2.25	Freedom of assembly and association
		2.2.26	Union practices
		2.2.27	Collective bargaining practices
		2.2.28	E1 Associational and Organizational Rights
		2.2.29	E2 Associational and Organizational Rights
		2.2.30	E3 Associational and Organizational Rights
		2.2.31	Association/assembly rights
		Subcomp	onent 2.2.D. Freedom of Religion
		2.2.32	Freedom of religion
		2.2.33	Religious organization repression
		2.2.34	Freedom of thought, conscience and religion
		2.2.35	Freedom of religion
		2.2.36	D2 Freedom of Expression and Belief
		Subcomp	onent 2.2.E. Freedom of Movement
		2.2.41	Freedom of foreign movement
		2.2.42	Freedom of domestic movement for women
		2.2.43	Freedom of domestic movement for men
		2.2.44	Freedom of movement and residence
		2.2.45	Freedom of foreign movement
		2.2.46	Freedom of domestic movement
		2.2.47	G1 Personal Autonomy and Individual Rights

Subattributes	Assessment questions	No.	Indicators	
		2.3.1	Infant mortality rate	
		2.3.2	Life expectancy	
		2.3.3	Kilocalories per person per day	
		2.3.4	Literacy	
2.3. Basic Welfare	To what extent is there basic welfare?	2.3.5	Mean years of schooling	
2.3. Dasic Wellale	TO What extent is there basic wendle:	2.3.6	Educational equality	
		2.3.7	Health equality	
		2.3.8	Healthy life expectancy at 60 – Male	
		2.3.9	Healthy life expectancy at 60 – Female	
		Subcomp	onent 2.4.A. Social Group Equality	
		2.4.1	Social group equality in respect for civil liberties	
		2.4.2	Power distributed by social group	
		2.4.3	Power distributed by sexual orientation	
		2.4.4	Exclusion by political group index	
		2.4.5	Exclusion by social group index	
		2.4.6	B4 Political Pluralism and Participation	
2.4. Political		2.4.7	F4 Rule of Law	
Equality	To what extent is there political equality?	2.4.8	Equal opportunity	
		Subcomponent 2.4.B. Economic Equality		
		2.4.9	Social class equality in respect for civil liberties	
		2.4.10	Power distributed by socio- economic position	
		2.4.11	Exclusion by social group index	
		2.4.12	Exclusion by urban-rural location index	
		2.4.13	Socioeconomic barriers	
		2.4.14	Gini coefficient	

Subattributes	Assessment questions	No.	Indicators
		Subcomp	onent 2.4.B. Gender Equality
		2.4.15	Power distributed by gender
		2.4.16	CSO women's participation
		2.4.17	Female vs. male mean years of schooling
		2.4.18	Lower chamber female legislators
		2.4.19	Exclusion by gender index
		2.4.20	Women's political rights
		2.4.21	Women's economic rights
		2.4.22	Political empowerment
		2.4.23	Labour force participation rate (women - men)
		2.4.24	Share of managerial positions held by women
		2.4.25	Control of bank accounts (women - men)

Subattributes	Assessment questions	No.	Indicators
		3.1.1	High Court independence
		3.1.2	Lower court independence
		3.1.3	Compliance with higher court
3.1. Judicial	To what extent are the courts	3.1.4	Compliance with judiciary
Independence	independent?	3.1.5	Independent judiciary
		3.1.6	F1 Rule of Law
		3.1.7	Separation of power
		3.1.8	Independent judiciary
		3.2.1	Public sector: corrupt exchanges
		3.2.2	Public sector theft
		3.2.3	Executive embezzlement and theft
3.2. Absence of Corruption	To what extent is the exercise of public authority free from corruption?	3.2.4	Executive bribery and corrupt exchanges
·		3.2.5	Corruption
		3.2.6	C2 Functioning of Government
		3.2.7	Prosecution of office abuse
		3.3.1	Executive respects constitution
		3.3.2	Transparent laws with predictable enforcement
		3.3.3	Rigorous and impartial public administration
	To what extent is the enforcement of public authority predictable?	3.3.4	Criteria for appointment decisions in the state administration
3.3. Predictable Enforcement		3.3.5	Criteria for appointment decisions in the armed forces
		3.3.6	Bureaucratic quality
		3.3.7	Law and order
		3.3.8	C3 Functioning of Government
		3.3.9	Monopoly on the use of force
		3.3.10	Basic administration
		3.4.1	Freedom from torture
		3.4.2	Freedom from political killings
		3.4.3	Political terror scale
3.4. Personal Integrity and Security	To what extent are people free from violence?	3.4.4	Internal conflict
Security		3.4.5	Physical integrity rights index
		3.4.6	G4 Personal Autonomy and Individual Rights
		3.4.7	F3 Rule of Law

Table D4. Attribute 4. Participation

Subattributes	Assessment question	No.	Indicators
		4.1.1	CSO participatory environment
		4.1.2	Engaged society
44.00.110	To what extent are civil society organizations free and	4.1.3	CSO consultation
4.1. Civil Society	influential?	4.1.4	EPI – E-participation Index
		4.1.5	Interest groups
		4.1.6	Social capital
		4.2.1	Engagement in independent non- political associations
4.2. Civic	To what extent do people participate in civil society organizations?	4.2.2	Engagement in independent political associations
Engagement		4.2.3	Engagement in independent trade unions
		4.2.4	Civil society traditions
4.3. Electoral	To what extent do people participate in national	4.3.1	Election voting age population (VAP) turnout
Participation	elections?	4.3.2	Regular elections index

OVERVIEW OF INDICATORS AND SOURCES

1. Representation

1.1. Indicators of Credible Elections Description/questic

No.	Indicator	Description/question	Data set
1.1.1	EMB autonomy (v2elembaut)	ES: Does the election management body (EMB) have autonomy from government to apply election laws and administrative rules impartially in national elections?	V-Dem
1.1.2	EMB capacity (v2elembcap)	ES: Does the election management body (EMB) have sufficient staff and resources to administer a well-run national election?	V-Dem
1.1.3	Election other voting irregularities (v2elirreg)	ES: In this national election, was there evidence of other intentional irregularities by incumbent and/or opposition parties and/or vote fraud?	V-Dem
1.1.4	Election government intimidation (v2elintim)	ES: In this national election, were opposition candidates/parties/campaign workers subjected to repression, intimidation, violence or harassment by the government, the ruling party or their agents?	V-Dem
1.1.5	Election free and fair (v2elfrfair)	ES: Taking all aspects of the pre-election period, election day and the post-election process into account, would you consider this national election to be free and fair?	V-Dem
1.1.6	Competition (competitive elections)	IC: The chief executive offices and seats in the effective legislative body are filled by elections characterized by uncertainty, meaning that the elections are, in principle, sufficiently free to enable the opposition to gain power if they were to attract sufficient support from the electorate.	LIED
1.1.7	Electoral Process (A3)	IC: Are the electoral laws and framework fair, and are they implemented impartially by the relevant election management bodies?	Freedom in the World
1.1.8	Political Pluralism and Participation (B2)	IC: Is there a realistic opportunity for the opposition to increase its support or gain power through elections?	Freedom in the World
1.1.9	Political Pluralism and Participation (B3)	IC: Are the people's political choices free from domination by forces that are external to the political sphere, or by political forces that employ extrapolitical means?	Freedom in the World
1.1.10	Free and fair elections (elect)	IC: Ten-point scale corresponding to answer choices that range from 'National elections, if held at all, are entirely unfree and unfair' to 'There are no constraints on free and fair elections'.	ВТІ

Note: ES = expert surveys; IC = standards-based in-house coding.

1.2. Indicators of Inclusive Suffrage

No.	Indicator	Description/question	Data set
1.2.1	Suffrage (v2elsuffrage)	OD: What percentage (%) of adult citizens (as defined by statute) has the legal right to vote in national elections?	V-Dem
1.2.2	Election voter registry (v2elrgstry)	ES: In this national election, was there a reasonably accurate voter registry in place and was it used?	V-Dem

Note: ES = expert surveys; OD = observational data.

1.3. Indicators of Free Political Parties

No.	Indicator	Description/question	Data set
1.3.1	Party ban (v2psparban)	ES: Are any parties banned?	V-Dem
1.3.2	Barriers to parties (v2psbars)	ES: How restrictive are the barriers to forming a party?	V-Dem
1.3.3	Opposition parties' autonomy (v2psoppaut)	ES: Are opposition parties independent and autonomous of the ruling regime?	V-Dem
1.3.4	Elections multiparty (v2elmulpar)	ES: Was this national election multiparty?	V-Dem
1.3.5	Competitiveness of participation (parcomp)	IC: The competitiveness of participation refers to the extent to which alternative preferences for policy and leadership can be pursued in the political arena.	Polity
1.3.6	Multiparty elections (multiparty legislative elections)	OD: The lower house (or unicameral chamber) of the legislature is (at least in part) elected by voters facing more than one choice. Specifically, parties are not banned and (a) more than one party is allowed to compete or (b) elections are nonpartisan (i.e. all candidates run without party labels).	LIED
1.3.7	Political Pluralism and Participation (B1)	IC: Do the people have the right to organize in different political parties or other competitive political groupings of their choice, and is the system free of undue obstacles to the rise and fall of these competing parties or groupings?	Freedom in the World
1.3.8	Party system (party_ sys)	IC: Ten-point scale corresponding to answer choices that range from 'There is no party system to articulate and aggregate societal interest' to 'The party system is stable and socially rooted: it is able to articulate and aggregate societal interest with low fragmentation, low voter volatility, and low polarization'.	ВТІ

 $\textit{Note} : \mathsf{ES} = \mathsf{expert} \; \mathsf{surveys}; \mathsf{IC} = \mathsf{standards}\text{-}\mathsf{based} \; \mathsf{in}\text{-}\mathsf{house} \; \mathsf{coding}; \mathsf{OD} = \mathsf{observational} \; \mathsf{data}.$

1.4. Indicators of Elected Government

No.	Indicator	Description/question	Data set
1.4.1	Elected officials index (v2x_elecoff)	CM: Are the chief executive and legislature appointed through popular elections? Measure based on 16 variables from expert survey data, in-house coded data and observational data collected by V-Dem.*	V-Dem
1.4.2	Competitiveness of executive recruitment (xrcomp)	IC: Competitiveness refers to the extent that prevailing modes of advancement give subordinates equal opportunities to become superordinates.	Polity
1.4.3	Openness of executive recruitment (xropen)	IC: Recruitment of the chief executive is 'open' to the extent that all the politically active population has an opportunity, in principle, to attain the position through a regularized process.	Polity
1.4.4	Electoral	IC: Does a country have no regular elections, elections in an effectively one-party state, elections with opposition parties but without an actual chance of government change, or full democracy?	Bjørnskov and Rode
1.4.5	Electoral Process (A1)	IC: Was the current head of government or other chief national authority elected through free and fair elections?	Freedom in the World
1.4.6	Electoral Process (A2)	IC: Were the current national legislative representatives elected through free and fair elections?	Freedom in the World
1.4.7	Functioning of Government (C1)	IC: Do the freely elected head of government and national legislative representatives determine the policies of the government?	Freedom in the World
1.4.8	Lexical index of electoral democracy (lexical_index_plus)	IC: We operationalize electoral democracy as a series of necessary-and-sufficient conditions arrayed in an ordinal scale. The resulting Lexical Index of Electoral Democracy (LIED). In this fashion, we arrive at an index that performs a classificatory function, each level identifies a unique and theoretically meaningful regime type, as well as a discriminating function.	LIED

Note: IC = standards-based in-house coding; CM = composite measures.

^{*} The 16 variables are: legislature bicameral; lower chamber elected; upper chamber elected; percentage of indirectly elected legislators lower chamber; percentage of indirectly elected legislators upper chamber; head of state selection by legislature in practice; head of state appointment in practice; head of government selection by legislature in practice; head of government appointment in practice; head of state appoints cabinet in practice; head of government appoints cabinet in practice; head of state dismisses ministers in practice; head of government dismisses ministers in practice; head of state the same as head of government; chief executive appointment by upper chamber implicit approval; and chief executive appointment by upper chamber.

1.5. Indicators of Effective Parliament

No.	Indicator	Description/question	Data set
1.5.1	Legislature questions officials in practice (v2lgqstexp)	ES: In practice, does the legislature routinely question executive branch officials?	V-Dem
1.5.2	Executive oversight (v2lgotovst)	ES: If executive branch officials were engaged in unconstitutional, illegal or unethical activity, how likely is it that a body other than the legislature, such as a comptroller general, general prosecutor or ombudsman, would question or investigate them and issue an unfavourable decision or report?	V-Dem
1.5.3	Legislature investigates in practice (v2lginvstp)	ES: If the executive were engaged in unconstitutional, illegal or unethical activity, how likely is it that a legislative body (perhaps a whole chamber, perhaps a committee, whether aligned with government or opposition) would conduct an investigation that would result in a decision or report that is unfavourable to the executive?	V-Dem
1.5.4	Legislature opposition parties (v2lgoppart)	ES: Are opposition parties (those not in the ruling party or coalition) able to exercise oversight and investigatory functions against the wishes of the governing party or coalition?	V-Dem
1.5.5	Executive constraints (xconst)	IC: The extent of institutionalized constraints on the decision-making powers of chief executives, whether individuals or collectivities.	Polity

Note: ES = expert surveys; IC = standards-based in-house coding.

1.6. Indicators of Local Democracy

No.	Indicator	Description/question	Data set
1.6.1	Local government index (v2xel_locelec)	CM: Are there elected local governments, and if so to what extent can they operate without interference from unelected bodies at the local level?	V-Dem
1.6.2	Subnational elections free and fair (v2elffelr)	ES: Taking all aspects of the pre-election period, election day and the post-election process into account, would you consider subnational elections (regional and local, as previously identified) to be free and fair on average?	V-Dem
1.6.3	Local government elected (v2ellocelc)	ES: At the local level, are government (local government) offices elected in practice?	V-Dem

Note: ES = expert surveys; CM = composite measures.

2. Rights (individual liberties and resources)

2.1. Indicators of Access to Justice

No.	Indicator	Description/question	Data set
2.1.1	Access to justice for men (v2clacjstm)	ES: Do men enjoy secure and effective access to justice?	V-Dem
2.1.2	Access to justice for women (v2clacjstw)	ES: Do women enjoy equal, secure and effective access to justice?	V-Dem
2.1.3	Judicial corruption decision (v2jucorrdc)	ES: 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 favourable judicial decision?	V-Dem
2.1.4	Judicial accountability (v2juacent)	ES: When judges are found responsible for serious misconduct, how often are they removed from their posts or otherwise disciplined?	V-Dem
2.1.5	Fair trial (fairtrial)	IC: Extent to which citizens have the right to a fair trial in practice, that is, they are not subjected to arbitrary arrest, detention or exile; they have the right to recognition as a person before the law, the right to be under the jurisdiction of, and to seek redress from, competent, independent and impartial tribunals, and the right to be heard and to be entitled to trial without undue delays if arrested, detained or charged with a criminal offence.	CLD
2.1.6	Rule of Law (F2)	IC: Does due process prevail in civil and criminal matters?	Freedom in the World
2.1.7	Civil Rights (civ_rights)	IC: Ten-point scale corresponding to answer choices that range from 'Civil rights are systematically violated. There are no mechanisms and institutions to protect residents against violations of their rights' to 'Civil rights are codified by law and respected by all state institutions, which actively precent discrimination. Residents are effectively protected by mechanisms and institutions established to prosecute, punish, and redress violations of their rights'.	ВТІ

Note: ES = expert surveys; IC = standards-based in-house coding.

2.2. Indicators of Civil Liberties No. Indicator

No.	ators of Civil Liberties Indicator	Description/question	Data set
Freedom	of Expression		
2.2.1	Freedom of discussion for women (v2cldiscw)	ES: Are women able to openly discuss political issues in private homes and in public spaces?	V-Dem
2.2.2	Freedom of discussion for men (v2cldiscm)	ES: Are men able to openly discuss political issues in private homes and in public spaces?	V-Dem
2.2.3	Freedom of academic and cultural expression (v2clacfree)	ES: Is there academic freedom and freedom of cultural expression related to political issues?	V-Dem
2.2.4	Freedom of opinion and expression (freexp)	IC: The extent to which individual citizens, groups and the media have freedom of opinion and expression, that is, the right of the citizens, groups and the press to hold views freely and to seek, obtain and pass on information on political issues broadly understood without being subject to actual limitations or restrictions.	CLD
2.2.5	Freedom of speech and press (speech)	IC: Government censorship and/or ownership of the media (including radio, TV, Internet, and/or domestic news agencies) is: Complete; Some; None.	CIRIGHTS
2.2.6	Obstacles to access (A)	IC: Details infrastructural, economic, and political barriers to access; government decisions to shut off connectivity or block specific applications or technologies; legal, regulatory, and ownership control over Internet service providers; and the independence of regulatory bodies.	Freedom on the Net
2.2.7	Limits on content (B)	IC: Analyses legal regulations on content; technical filtering and blocking of websites; other forms of censorship and self-censorship; the vibrancy and diversity of online information space; and the use of digital tools for civic mobilization.	Freedom on the Net
2.2.8	Violations of user rights (C)	IC: Tackles legal protections and restrictions on free expression; surveillance and privacy; and legal and extralegal repercussions for online speech and activities, such as imprisonment, cyberattacks, or extralegal harassment and physical violence.	Freedom on the Net

No.	Indicator	Description/question	Data set
2.2.9	Freedom of Expression and Belief (D3)	IC: Is there academic freedom, and is the educational system free from extensive political indoctrination?	Freedom in the World
2.2.10	Freedom of Expression and Belief (D4)	IC: Are individuals free to express their personal views on political or other sensitive topics without fear of surveillance or retribution?	Freedom in the World
2.2.11	Freedom of expression (express)	IC: Ten-point scale corresponding to answer choices that range from 'Freedom of expression is denied. Independent media do not exist or are prohibited' to 'Freedom of expression is guaranteed against interference or government restrictions. Individuals, groups and the press can fully exercise these rights'.	BTI
Freedom	of the Press		
2.2.12	Print/broadcast censorship effort (v2mecenefm)	ES: Does the government directly or indirectly attempt to censor the print or broadcast media?	V-Dem
2.2.13	Harassment of journalists (v2meharjrn)	ES: Are individual journalists harassed, i.e. threatened with libel, arrested, imprisoned, beaten or killed, by governmental or powerful nongovernmental actors while engaged in legitimate journalistic activities?	V-Dem
2.2.14	Media self-censorship (v2meslfcen)	ES: Is there self-censorship among journalists when reporting on issues that the government considers politically sensitive?	V-Dem
2.2.15	Print/broadcast media critical (v2mecrit)	ES: Of the major print and broadcast outlets, how many routinely criticize the government?	V-Dem
2.2.16	Print/broadcast media perspectives (v2merange)	ES: Do the major print and broadcast media represent a wide range of political perspectives?	V-Dem
2.2.17	Media bias (v2mebias)	ES: Is there media bias against opposition parties or candidates?	V-Dem
2.2.18	Media corrupt (v2mecorrpt)	ES: Do journalists, publishers or broadcasters accept payments in exchange for altering news coverage?	V-Dem
2.2.19	Media freedom	IC: Is criticism of government and government officials a common and normal part of the political dialogue in the mediated public sphere?	Media Freedom Data
2.2.20	Freedom of Expression and Belief (D1)	IC: Are there free and independent media?	Freedom in the World

No.	Indicator	Description/question	Data set			
Freedom	Freedom of Association and Assembly					
2.2.21	CSO entry and exit (v2cseeorgs)	ES: To what extent does the government achieve control over entry and exit by civil society organizations into public life?	V-Dem			
2.2.22	CSO repression (v2csreprss)	ES: Does the government attempt to repress civil society organizations?	V-Dem			
2.2.23	Freedom of peaceful assembly (v2caassemb)	ES: To what extent do state authorities respect and protect the right of peaceful assembly?	V-Dem			
2.2.24	Freedom of association and assembly (freass)	IC: The extent to which individuals and groups have freedom of assembly and association, that is, the right of the citizens to gather freely and carry out peaceful demonstrations as well as to join, form and participate with other persons in political parties, cultural organizations, trade unions or the like of their choice without being subject to actual limitations or restrictions.	CLD			
2.2.25	Freedom of assembly and association (assn)	IC: Citizens' rights to freedom of assembly and association are severely restricted or denied completely to all citizens; limited for all citizens or severely restricted or denied for select groups; virtually unrestricted and freely enjoyed by practically all citizens.	CIRIGHTS			
2.2.26	Union practices (union_p)	IC: The right to form unions is severely restricted; somewhat restricted; fully protected.	CIRIGHTS			
2.2.27	Collective bargaining practices (barg_p)	IC: The right to collective bargaining is severely restricted; somewhat restricted; fully protected.	CIRIGHTS			
2.2.28	Associational and Organizational Rights (E1)	IC: Is there freedom of assembly?	Freedom in the World			
2.2.29	Associational and Organizational Rights (E2)	IC: Is there freedom for non- governmental organizations, particularly those that are engaged in human rights- and governance-related work?	Freedom in the World			
2.2.30	Associational and Organizational Rights (E3)	IC: Is there freedom for trade unions and similar professional or labour organizations?	Freedom in the World			

No.	Indicator	Description/question	Data set
2.2.31	Association/assembly rights (assembly)	IC: Ten-point scale corresponding to answer choices that range from 'Association and assembly rights are denied. Independent civic groups do not exist or are prohibited' to 'Association and assembly rights are guaranteed against interference or government restrictions. Residents and civic groups can fully exercise these rights'.	BTI
Freedom	of Religion		
2.2.32	Freedom of religion (v2clrelig)	ES: Is there freedom of religion?	V-Dem
2.2.33	Religious organization repression (v2csrlgrep)	ES: Does the government attempt to repress religious organizations?	V-Dem
2.2.34	Freedom of thought, conscience and religion (frerel)	IC: The extent to which individuals and groups have freedom of thought, conscience and religion, that is, the right of citizens to have and change religion or belief of their own volition and alone or in community, manifest their religion or belief in practice, worship, observance and teaching in private or public, as well as proselytize peacefully without being subject to actual limitations or restrictions.	CLD
2.2.35	Freedom of religion (rel_free)	IC: Government restrictions on religious practices are severe and widespread; moderate; practically absent.	CIRIGHTS
2.2.36	Freedom of Expression and Belief (D2)	IC: Are individuals free to practise and express their religious faith or nonbelief in public and private?	Freedom in the World
Freedom	of Movement		
2.2.41	Freedom of foreign movement (v2clfmove)	ES: Is there freedom of foreign travel and emigration?	V-Dem
2.2.42	Freedom of domestic movement for women (v2cldmovew)	ES: Do women enjoy freedom of movement within the country?	V-Dem
2.2.43	Freedom of domestic movement for men (v2cldmovem)	ES: Do men enjoy freedom of movement within the country?	V-Dem
2.2.44	Freedom of movement and residence (fremov)	IC: The extent to which individuals and groups have freedom of movement and residence, that is, the right of citizens to settle and travel within their country as well as to leave and return to their country of own choice without being subject to actual limitations or restrictions.	CLD

No.	Indicator	Description/question	Data set
2.2.45	Freedom of foreign movement (formov)	IC: Foreign movement and travel is severely restricted; unrestricted.	CIRIGHTS
2.2.46	Freedom of domestic movement (dommov)	IC: Domestic travel is severely restricted; somewhat restricted; unrestricted.	CIRIGHTS
2.2.47	Personal Autonomy and Individual Rights (G1)	IC: Do individuals enjoy freedom of movement, including the ability to change their place of residence, employment, or education?	Freedom in the World

Note: ES = expert surveys; IC = standards-based in-house coding.

2.3. Indicators of Basic Welfare

No.	Indicator	Description/question	Data set
2.3.1	Infant mortality rate	OD	CME
2.3.2	Life expectancy	OD	WPP
2.3.3	Kilocalories per person per day	OD	FAO
2.3.4	Literacy	OD	UNESCO
2.3.5	Mean years of schooling	OD	IHME
2.3.6	Educational equality (v2peedueq)	ES: To what extent is high quality basic education guaranteed to all, sufficient to enable them to exercise their basic rights as adult citizens?	V-Dem
2.3.7	Health equality (v2pehealth)	ES: To what extent is high quality basic healthcare guaranteed to all, sufficient to enable them to exercise their basic political rights as adult citizens?	V-Dem
2.3.8	Healthy life expectancy at 60 – Male (WHOSIS_000007)	OD	WHO
2.3.9	Healthy life expectancy at 60 – Female (WHOSIS_000007)	OD	WHO

Note: ES = expert surveys; IC = standards-based in-house coding; OD = observational data.

2.4. Indicators of Political Equality No. Indicator Description/questic

No.	Indicator	Description/question	Data set
Social Group	Equality		
2.4.1	Social group equality in respect for civil liberties (v2clsocgrp)	ES: Do all social groups, as distinguished by language, ethnicity, religion, race, region or caste, enjoy the same level of civil liberties, or are some groups generally in a more favourable position?	V-Dem
2.4.2	Power distributed by social group (v2pepwrsoc)	ES: Is political power distributed according to social groups?	V-Dem
2.4.3	Power distributed by sexual orientation (v2pepwrort)	ES: Is political power distributed according to sexual orientation?	V-Dem
2.4.4	Exclusion by political group index (v2xpe_exlpol)	ES: Index of political exclusion by political group.	V-Dem
2.4.5	Exclusion by social group index (v2xpe_exlsocgr)	ES: Index of political exclusion by social group.	V-Dem
2.4.6	Political Pluralism and Participation (B4)	IC: Do various segments of the population (including ethnic, racial, religious, gender, LGBT+, and other relevant groups) have full political rights and electoral opportunities?	Freedom in the World
2.4.7	Rule of Law (F4)	IC: Do laws, policies, and practices guarantee equal treatment of various segments of the population?	Freedom in the World
2.4.8	Equal opportunity (equal)	IC: Ten-point scale corresponding to answer choices that range from 'Equality of opportunity is not achieved. Women and/or members of ethnic, religious and other groups have only very limited access to education, public office and employment. There are no legal provisions against discrimination' to 'Equality of opportunity is achieved. Women and members of ethnic, religious and other groups have equal access to education, public office and employment. There is a comprehensive and effective legal and institutional framework for the protection against discrimination'.	BTI
Economic Equ	uality		
2.4.9	Social class equality in respect for civil liberties (v2clacjust)	ES: Do poor people enjoy the same level of civil liberties as rich people?	V-Dem
2.4.10	Power distributed by socio- economic position (v2pepwrses)	ES: Is political power distributed according to socio-economic position?	V-Dem

No.	Indicator	Description/question	Data set
2.4.11	Exclusion by socio- economic group (v2xpe_exlecon)	ES: Index of political exclusion by socio-economic group.	V-Dem
2.4.12	Exclusion by urban-rural location index (v2xpe_exlgeo)	ES: Index of political exclusion by urban-rural location.	V-Dem
2.4.13	Socio-economic barriers (barriers)	IC: Ten-point scale corresponding to answer choices that range from 'Poverty and inequality are extensive and structurally ingrained' to 'Poverty and inequality are minor and not structurally ingrained.'	BTI
2.4.14	Gini coefficient	OD	SWIID
Gender Equali	ity		
2.4.15	Power distributed by gender (v2pepwrgen)	ES: Is political power distributed according to gender?	V-Dem
2.4.16	CSO women's participation (v2csgender)	ES: Are women prevented from participating in civil society organizations?	V-Dem
2.4.17	Female vs. male mean years of schooling	OD	GHDx
2.4.18	Lower chamber female legislators (v2lgfemleg)	OD	V-Dem
2.4.19	Exclusion by gender index (v2xpe_exlgender)	ES: Index of political exclusion by gender.	V-Dem
2.4.20	Women's political rights (wopol)	IC: How extensive are laws pertaining to women's political rights (right to vote, to run for political office, to hold elected and appointed government positions, to join political parties, to petition government officials); how effectively does the government enforce the laws?	CIRIGHTS
2.4.21	Women's economic rights (wecon)	IC: How extensive are laws pertaining to women's economic rights (equal pay for equal work, free choice of profession, right to gainful employment, non-discrimination etc.); how effectively does the government enforce the laws?	CIRIGHTS
2.4.22	Political empowerment	CM: The Global Gender Gap Index examines the gap between men and women across four fundamental categories (subindexes): Economic Participation and Opportunity, Educational Attainment, Health and Survival, and Political Empowerment.	Global Gender Gap Report

No.	Indicator	Description/question	Data set
2.4.23	Labour force participation rate (women - men)	OD	ILO
2.4.24	Share of managerial positions held by women	OD	ILO
2.4.25	Control of bank accounts (women - men)	OD	World Bank

Note: ES = expert surveys; IC = standards-based in-house coding; OD = observational data; CM = composite measures.

3. Rule of Law (effective control of executive power)

3.1. Indicators of Judicial Independence

No.	Indicator	Description/question	Data set
3.1.1	High Court independence (v2juhcind)	ES: When the High Court in the judicial system is ruling in cases that are salient to the government, how often would you say that it makes decisions that merely reflect government wishes regardless of its sincere view of the legal record?	V-Dem
3.1.2	Lower court independence (v2juncind)	ES: When judges not on the High Court are ruling in cases that are salient to the government, how often would you say that their decisions merely reflect government wishes regardless of their sincere view of the legal record?	V-Dem
3.1.3	Compliance with High Court (v2juhccomp)	ES: How often would you say the government complies with important decisions of the High Court with which it disagrees?	V-Dem
3.1.4	Compliance with judiciary (v2jucomp)	ES: How often would you say the government complies with important decisions by other courts with which it disagrees?	V-Dem
3.1.5	Independent judiciary (injud)	IC: The extent to which the judiciary is not independent; partially independent; generally independent of control from other sources, such as another branch of the government or the military.	CIRIGHTS
3.1.6	Rule of Law (F1)	IC: Is there an independent judiciary?	Freedom in the World
3.1.7	Separation of power (separation)	IC: Ten-point scale corresponding to answer choices that range from 'There is no separation of powers, neither de jure nor de facto' to 'There is a clear separation of powers with mutual checks and balances'.	BTI
3.1.8	Independent judiciary (judiciary)	IC: Ten-point scale corresponding to answer choices that range from 'The judiciary is not independent and not institutionally differentiated' to 'The judiciary is independent and free both from unconstitutional intervention by other institutions and from corruption. It is institutionally differentiated, and there are mechanisms for judicial review of legislative or executive acts'.	ВТІ

Note: ES = expert surveys; IC = standards-based in-house coding

3.2. Indicators of Absence of Corruption

No.	Indicator	Description/question	Data set
3.2.1	Public sector corrupt exchanges (v2excrptps)	ES: How routinely do public sector employees grant favours in exchange for bribes, kickbacks or other material inducements?	V-Dem
3.2.2	Public sector theft (v2exthftps)	ES: How often do public sector employees steal, embezzle or misappropriate public funds or other state resources for personal or family use?	V-Dem
3.2.3	Executive embezzlement and theft (v2exembez)	ES: 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
3.2.4	Executive bribery and corrupt exchanges (v2exbribe)	ES: How routinely do members of the executive (the head of state, the head of government and cabinet ministers) or their agents grant favours in exchange for bribes, kickbacks or other material inducements?	V-Dem
3.2.5	Corruption (F)	ES: How widespread is actual or potential corruption in the form of excessive patronage, nepotism, job reservations, 'favour-for-favours', secret party funding or suspiciously close ties between politics and business?	ICRG
3.2.6	Functioning of Government (C2)	IC: Are safeguards against official corruption strong and effective?	Freedom in the World
3.2.7	Prosecution of office abuse (prosecution)	IC: Ten-point scale corresponding to answer choices that range from 'Officeholders who break the law and engage in corruption can do so without fear of legal consequences or adverse publicity' to 'Officeholders who break the law and engage in corruption are prosecuted rigorously under established laws and always attract adverse publicity'.	ВТІ

Note: ES = expert surveys; IC = standards-based in-house coding.

3.3. Indicators of Predictable Enforcement

No.	Indicator	Description/question	Data set
3.3.1	Executive respects constitution (v2exrescon)	ES: Do members of the executive (the head of state, the head of government and cabinet ministers) respect the constitution?	V-Dem
3.3.2	Transparent laws with predictable enforcement (v2cltrnslw)	ES: Are the laws of the land clear, well- publicized, coherent (consistent with each other), relatively stable from year to year and enforced in a predictable manner?	V-Dem
3.3.3	Rigorous and impartial public administration (v2clrspct)	ES: Are public officials rigorous and impartial in the performance of their duties?	V-Dem
3.3.4	Criteria for appointment decisions in the state administration (v2stcritrecadm)	ES: To what extent are appointment decisions in the state administration based on personal and political connections, as opposed to skills and merit?	V-Dem
3.3.5	Criteria for appointment decisions in the armed forces (v2stcritapparm)	ES: To what extent are appointment decisions in the armed forces based on personal or political connections or alternatively based on skills and merit?	V-Dem
3.3.6	Bureaucratic quality (L)	ES: Bureaucracy has the strength and expertise to govern without drastic changes in policy or interruptions in government services.	ICRG
3.3.7	Law and order (I)	ES: To what extent is the legal system strong and impartial and to what degree is there popular observance of the law?	ICRG
3.3.8	Functioning of Government (C3)	IC: Does government operate with openness and transparency?	Freedom in the World
3.3.9	Monopoly on the use of force (monopoly)	IC: Ten-point scale corresponding to answer choices that range from 'There is no state monopoly on the use of force' to 'There is no competition with the state's monopoly on the use of force throughout the entire territory'.	BTI
3.3.10	Basic administration (admin)	IC: Ten-point scale corresponding to answer choices that range from 'The administrative structures of the state are limited to keeping the peace and maintaining law and order. Their territorial scope is very limited, and broad segments of the population are not covered' to 'The state has a differentiated administrative structure throughout the country which provides all basic public services'.	BTI

Note: ES = expert surveys; IC = standards-based in-house coding.

3.4. Indicators of Personal Integrity and Security

No.	Indicator	Description/question	Data set
3.4.1	Freedom from torture (v2cltort)	ES: Is there freedom from torture?	V-Dem
3.4.2	Freedom from political killings (v2clkill)	ES: Is there freedom from political killings?	V-Dem
3.4.3	Political terror scale (PTSsd)	IC: What is the level of political violence and terror?	Gibney et al.
3.4.4	Internal conflict (D)	ES: Is there political violence in the country? The rating assigned is the sum of three subcomponents: civil war/coup threat, terrorism/political violence and civil disorder.	ICRG
3.4.5	Physical integrity rights index (physint)	IC: Additive Index ranging from 0 (no government respect for the prohibition of torture, extrajudicial killing, political imprisonment and disappearance) to 8 (full government respect for these four rights).	CIRIGHTS
3.4.6	Personal Autonomy and Individual Rights (G4)	IC: Do individuals enjoy equality of opportunity and freedom from economic exploitation?	Freedom in the World
3.4.7	Rule of Law (F3)	IC: Is there protection from the illegitimate use of physical force and freedom from war and insurgencies?	Freedom in the World

Note: ES = expert surveys; IC = standards-based in-house coding.

4. Participation (instruments for and realization of political involvement)

4.1. Indicators of Civil Society

No.	Indicator	Description/question	Data set
4.1.1	CSO participatory environment (v2csprtcpt)	ES: Are people involved in civil society organizations?	V-Dem
4.1.2	Engaged society (v2dlengage)	ES: When important policy changes are being considered, how wide and how independent are public deliberations?	V-Dem
4.1.3	CSO consultation (v2csnsult)	ES: Are major civil society organizations (CSOs) routinely consulted by policymakers on policies relevant to their members?	V-Dem
4.1.4	E-Participation index	CM: EPI is a multifaceted framework, composed of three core components, i.e. e-information, e-consultation and e-decision-making.	United Nations E-Government Survey
4.1.5	Interest groups (int_ group)	IC: Ten-point scale corresponding to answer choices that range from 'Interest groups are present only in isolated social segments, are on the whole poorly balanced and cooperate little. A large number of social interests remain unrepresented' to 'There is a broad range of interest groups that reflect competing social interests, tend to balance one another and are cooperative'.	BTI
4.1.6	Social capital (soc_cap)	IC: Ten-point scale corresponding to answer choices that range from 'There is a very low level of trust among the population, and civic self-organization is rudimentary' to 'There is a very high level of trust among the population and a large number of autonomous, self-organized groups, associations and organizations'.	BTI

Note: ES = expert surveys; CM = composite measure; IC = standards-based in-house coding.

No.	Indicator	Description/question	Data set
4.2.1	Engagement in independent non-political associations (v2canonpol)	ES: What share of the population is regularly active in independent non-political associations, such as sports clubs, literary societies, charities, fraternal groups, or support groups?	V-Dem
4.2.2	Engagement in independent political associations (v2capolit)	ES: What share of the population is regularly active in independent political interest associations, such as environmental associations, animal rights groups, or LGBT rights groups?	V-Dem
4.2.3	Engagement in independent trade unions (v2catrauni)	ES: What share of the population is regularly active in independent trade unions?	V-Dem
4.2.4	Civil society traditions (civil_trad)	IC: Ten-point scale corresponding to answer choices that range from 'Traditions of civil society are very strong' to 'Traditions of civil society are very weak'.	ВТІ

Note: IC = standards-based in-house coding; ES = expert surveys.

4.3. Indicators of Electoral Participation

No.	Indicator	Description/question	Data set
4.3.1	Election VAP turnout (VAP turnout)	OD	International IDEA
4.3.2	Electoral regime index (v2x_elecreg)	ES: At this time, are regularly scheduled national elections on course, as stipulated by election law or well-established precedent?	V-Dem

Note: OD = observational data; ES = expert surveys.

Additional index

0.0 Indicators of Direct Democracy

No.	Indicator	Description/question	Data set
	Direct popular vote index (v2xdd_dd)	CM: Measure based on 12 observable variables from V-Dem, resulting from the combination of scores for each type of popular vote (i.e. popular initiatives, referendums, plebiscites and obligatory referendums). The measure captures how easy it is to initiate and approve each type of popular vote and how consequential that vote is (if approved). Ease of initiation is measured by the existence of a direct democratic process, the number of signatures needed and the time limit to collect signatures. Ease of approval is measured by quorums pertaining to participation, approval, supermajority and district majority. Consequences are measured by the legal status of the decision made by citizens (binding or consultative) and the frequency with which direct popular votes have been used and approved in the past.	V-Dem

Note: CM = composite measures.

Summary of indicators

ID	Indicator	Data set	Variable	Missing (N)	Missing (%)	Year (min)	Year (max)
1.1.1	EMB autonomy	V-Dem	v2elembaut	0	0.00%	1975	2023
1.1.2	EMB capacity	V-Dem	v2elembcap	0	0.00%	1975	2023
1.1.3	Election: other voting irregularities	V-Dem	v2elirreg	93	1.16%	1975	2023
1.1.4	Election government intimidation	V-Dem	v2elintim	93	1.16%	1975	2023
1.1.5	Election free and fair	V-Dem	v2elfrfair	112	1.40%	1975	2023
1.1.6	Competition	LIED	competitive elections	1	0.01%	1975	2023
1.1.7	A3 Electoral process	Freedom in the World	A3	5107	63.81%	2012	2023
1.1.8	B2 Political Pluralism and Participation	Freedom in the World	B2	5107	63.81%	2012	2023
1.1.9	B3 Political Pluralism and Participation	Freedom in the World	B3	5107	63.81%	2012	2023
1.1.10	Free and fair elections	BTI	elect	4770	59.60%	1975	2023
1.2.1	Suffrage	V-Dem	v2elsuffrage	0	0.00%	1975	2023
1.2.2	Election voter registry	V-Dem	V2elrgstry	93	1.16%	1975	2023
1.3.1	Party ban	V-Dem	v2psparban	0	0.00%	1975	2023
1.3.2	Barriers to parties	V-Dem	v2psbars	0	0.00%	1975	2023
1.3.3	Opposition parties' autonomy	V-Dem	v2psoppaut	195	2.44%	1975	2023

1.3.4 Elections multiparty V-Dem V2eImulpar 93 1.16% 1975 2023 1.3.5 Competitiveness of participation Polity parcomp 586 7.32% 1975 2023 1.3.6 Multiparty elections LIED multiparty elections 1 0.01% 1975 2023 1.3.7 B I Pollitical Pluralism and Participation Freedom in the World B1 5927 74.06% 2012 2023 1.4.3 Party system BTI party_sys 5544 69.27% 2006 2023 1.4.1 Elected officials index V-Dem v2x_elecoff 0 0.00% 1975 2023 1.4.3 Competitiveness of executive executi	ID	Indicator	Data set	Variable	Missing (N)	Missing (%)	Year (min)	Year (max)
1.3.6 Multiparty elections	1.3.4	Elections multiparty	V-Dem	v2elmulpar	93	1.16%	1975	2023
Lexical index of electoral Process Freedom in the World Preedom in the World Preedom in the World Preedom in the World Polity Preedom in the World Polity Preedom in the World Polity Polity Preedom in the World Polity P	1.3.5	Competitiveness of participation	Polity	parcomp	586	7.32%	1975	2023
1.3.7 Participation World B1 S927 74.06% 2012 2023 1.3.8 Party system BTI party_sys 5544 69.27% 2006 2023 1.4.1 Elected officials index V-Dem V2x_elecoff 0 0.00% 1975 2023 1.4.2 Competitiveness of executive recruitment Polity xrcomp 414 5.17% 1975 2023 1.4.3 Chemess of executive recruitment Polity xropen 414 5.17% 1975 2023 1.4.4 Electoral BRRD Electoral 3 0.04% 1975 2023 1.4.5 A1 Electoral Process Freedom in the World A1 5107 63.81% 2012 2023 1.4.6 A2 Electoral Process Freedom in the World A2 5107 63.81% 2012 2023 1.4.7 C1 Functioning of Government Freedom in the World C1 5107 63.81% 2012 2023 1.4.8 Lexical index of electoral LIED Lexical_index_plus 2 0.02% 1975 2023 1.5.1 Legislature questions officials in y-Dem y2lgastexp 90 1.12% 1975 2023 1.5.2 Executive oversight V-Dem y2lgartexp 90 1.12% 1975 2023 1.5.3 Legislature investigates in y-Dem y2lgovist 29 0.36% 1975 2023 1.5.4 Legislature opposition parties V-Dem y2lgovist 29 0.36% 1975 2023 1.5.5 Executive constraints Polity xconst 414 5.17% 1975 2023 1.5.6 Executive constraints Polity xconst 414 5.17% 1975 2023 1.6.1 Local government index V-Dem y2lgoppart 88 1.10% 1975 2023 1.6.2 Subnational elections free and fair V-Dem y2elfoelec 182 2.27% 1975 2023 1.6.3 Local government elected V-Dem y2elfoelec 348 4.35% 1975 2023 1.6.1 Access to justice for men V-Dem y2elfoelec 348 4.35% 1975 2023 2.1.3 Judicial accountability V-Dem y2elfoelec 348 4.35% 1975 2023 2.1.4 Judicial accountability V-Dem y2elfoelec 348 4.35% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule of Law Freedom in the World F2 Eucle of Law Freedom in the World	1.3.6	Multiparty elections	LIED	legislative	1	0.01%	1975	2023
1.4.1 Elected officials index V-Dem V2x_elecoff 0 0.00% 1975 2023 1.4.2 Competitiveness of executive recruitment Polity xrcomp 414 5.17% 1975 2023 1.4.3 Openness of executive recruitment Polity xropen 414 5.17% 1975 2023 1.4.4 Electoral BRRD Electoral 3 0.04% 1975 2023 1.4.5 A1 Electoral Process Freedom in the World A1 5107 63.81% 2012 2023 1.4.6 A2 Electoral Process Freedom in the World A2 5107 63.81% 2012 2023 1.4.7 C1 Functioning of Government Freedom in the World Exical_index_plus 2 0.02% 1975 2023 1.4.8 Lexical index of electoral democracy LIED Lexical_index_plus 2 0.02% 1975 2023 1.5.1 Legislature questions officials in practice V-Dem v2lgqstexp 90 1.12% 1975 2023 1.5.2 Executive oversight V-Dem v2lgotovst 29 0.36% 1975 2023 1.5.3 Legislature investigates in practice V-Dem v2lgotovst 29 0.36% 1975 2023 1.5.4 Legislature opposition parties V-Dem v2lgotovst 29 0.49% 1975 2023 1.5.5 Executive constraints Polity xconst 414 5.17% 1975 2023 1.5.6 Executive constraints Polity xconst 414 5.17% 1975 2023 1.6.1 Local government index V-Dem v2lgotovet 182 2.27% 1975 2023 1.6.2 Subnational elections free and fair V-Dem v2leffer 573 7.16% 1975 2023 1.6.3 Local government elected V-Dem v2leffer 573 7.16% 1975 2023 1.6.3 Local government elected V-Dem v2leffer 573 7.16% 1975 2023 2.1.1 Access to justice for men V-Dem v2leacytim 0 0.00% 1975 2023 2.1.2 Access to justice for mome V-Dem v2leacytim 0 0.00% 1975 2023 2.1.3 Judicial accountability V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule of Law Freedom in the World F2 5927 74.06% 2012 2023 2.1.6 F2 Rule of L	1.3.7			B1	5927	74.06%	2012	2023
1.4.2 Competitiveness of executive recruitment Polity xroomp 414 5.17% 1975 2023 1.4.3 Openness of executive recruitment Polity xropen 414 5.17% 1975 2023 1.4.4 Electoral BRRD Electoral 3 0.04% 1975 2023 1.4.5 A1 Electoral Process Freedom in the World A1 5107 63.81% 2012 2023 1.4.6 A2 Electoral Process Freedom in the World A2 5107 63.81% 2012 2023 1.4.7 C1 Functioning of Government Freedom in the World C1 5107 63.81% 2012 2023 1.5.1 Lexical index of electoral democracy LIED lexical_index_plus 2 0.02% 1975 2023 1.5.1 Legislature questions officials in practice V-Dem v2lgotovst 29 0.36% 1975 2023 1.5.2 Executive constraints V-Dem v2lgotovst 29 0.36% 1975 202	1.3.8	Party system	BTI	party_sys	5544	69.27%	2006	2023
1.4.2 recruitment	1.4.1	Elected officials index	V-Dem	v2x_elecoff	0	0.00%	1975	2023
1.4.3 recruitment Pointy xropen 414 5.17% 1975 2023 1.4.4 Electoral BRRD Electoral 3 0.04% 1975 2023 1.4.5 A1 Electoral Process Freedom in the World A1 5107 63.81% 2012 2023 1.4.6 A2 Electoral Process Freedom in the World A2 5107 63.81% 2012 2023 1.4.7 C1 Functioning of Government Freedom in the World C1 5107 63.81% 2012 2023 1.4.8 Lexical Index of electoral democracy LIED lexical_index_plus 2 0.02% 1975 2023 1.5.1 Legislature questions officials in practice V-Dem v2lgqstexp 90 1.12% 1975 2023 1.5.2 Executive oversight V-Dem v2lggotovst 29 0.36% 1975 2023 1.5.3 Legislature investigates in practice V-Dem v2lginvstp 39 0.49% 1975 2023	1.4.2	The state of the s	Polity	xrcomp	414	5.17%	1975	2023
1.4.5	1.4.3	·	Polity	xropen	414	5.17%	1975	2023
1.4.5 AT Electoral Process World AT \$107 63.81% 2012 2023 1.4.6 A2 Electoral Process Freedom in the World A2 5107 63.81% 2012 2023 1.4.7 C1 Functioning of Government Freedom in the World C1 5107 63.81% 2012 2023 1.4.8 Lexical index of electoral democracy LIED lexical_index_plus 2 0.02% 1975 2023 1.5.1 Legislature questions officials in practice V-Dem v2lgqstexp 90 1.12% 1975 2023 1.5.2 Executive oversight V-Dem v2lggtovst 29 0.36% 1975 2023 1.5.3 Legislature investigates in practice V-Dem v2lginvstp 39 0.49% 1975 2023 1.5.4 Legislature opposition parties V-Dem v2lgoppart 88 1.10% 1975 2023 1.5.5 Executive constraints Polity xconst 414 5.17% 1975 2023	1.4.4	Electoral	BRRD	Electoral	3	0.04%	1975	2023
1.4.6 AZ Electoral Process World AZ 5107 63.81% 2012 2023 1.4.7 C1 Functioning of Government Freedom in the World C1 5107 63.81% 2012 2023 1.4.8 Lexical index of electoral democracy LIED lexical_index_plus 2 0.02% 1975 2023 1.5.1 Legislature questions officials in practice V-Dem v2lgatexp 90 1.12% 1975 2023 1.5.2 Executive oversight V-Dem v2lgotovst 29 0.36% 1975 2023 1.5.3 Legislature investigates in practice V-Dem v2lgotovst 29 0.36% 1975 2023 1.5.4 Legislature opposition parties V-Dem v2lgoppart 88 1.10% 1975 2023 1.5.5 Executive constraints Polity xconst 414 5.17% 1975 2023 1.6.1 Local government index V-Dem v2xel_locelec 182 2.27% 1975 2023 <	1.4.5	A1 Electoral Process		A1	5107	63.81%	2012	2023
1.4.7 C1 Functioning of Government World C1 \$107 63.81% 2012 2023 1.4.8 Lexical index of electoral democracy LIED lexical_index_plus 2 0.02% 1975 2023 1.5.1 Legislature questions officials in practice V-Dem v2lgotovst 29 0.36% 1975 2023 1.5.2 Executive oversight V-Dem v2lgotovst 29 0.36% 1975 2023 1.5.3 Legislature investigates in practice V-Dem v2lginvstp 39 0.49% 1975 2023 1.5.4 Legislature opposition parties V-Dem v2lgoppart 88 1.10% 1975 2023 1.5.5 Executive constraints Polity xconst 414 5.17% 1975 2023 1.6.1 Local government index V-Dem v2xel_locelec 182 2.27% 1975 2023 1.6.2 Subnational elections free and fair V-Dem v3elfoelec 348 4.35% 1975 2023 <td>1.4.6</td> <td>A2 Electoral Process</td> <td></td> <td>A2</td> <td>5107</td> <td>63.81%</td> <td>2012</td> <td>2023</td>	1.4.6	A2 Electoral Process		A2	5107	63.81%	2012	2023
1.4.8 democracy LED lexical_index_plus 2 0.02% 1975 2023 1.5.1 Legislature questions officials in practice V-Dem v2lgqstexp 90 1.12% 1975 2023 1.5.2 Executive oversight V-Dem v2lgotovst 29 0.36% 1975 2023 1.5.3 Legislature investigates in practice V-Dem v2lginvstp 39 0.49% 1975 2023 1.5.4 Legislature opposition parties V-Dem v2lgoppart 88 1.10% 1975 2023 1.5.5 Executive constraints Polity xconst 414 5.17% 1975 2023 1.6.1 Local government index V-Dem v2xel_locelec 182 2.27% 1975 2023 1.6.2 Subnational elections free and fair V-Dem v2elffelr 573 7.16% 1975 2023 2.1.1 Access to justice for men V-Dem v2clacjstm 0 0.00% 1975 2023 2.1.2 Access to justice for women V-Dem v2clacjstw 0 0.00% 1975	1.4.7	C1 Functioning of Government		C1	5107	63.81%	2012	2023
1.5.1 practice V-Dem V2lgdstexp 90 1.12% 1975 2023 1.5.2 Executive oversight V-Dem v2lgotovst 29 0.36% 1975 2023 1.5.3 Legislature investigates in practice V-Dem v2lginvstp 39 0.49% 1975 2023 1.5.4 Legislature opposition parties V-Dem v2lgoppart 88 1.10% 1975 2023 1.5.5 Executive constraints Polity xconst 414 5.17% 1975 2023 1.6.1 Local government index V-Dem v2xel_locelec 182 2.27% 1975 2023 1.6.2 Subnational elections free and fair V-Dem v2elffelr 573 7.16% 1975 2023 1.6.3 Local government elected V-Dem v3ellocelc 348 4.35% 1975 2023 2.1.1 Access to justice for men V-Dem v2clacjstm 0 0.00% 1975 2023 2.1.2	1.4.8		LIED	lexical_index_plus	2	0.02%	1975	2023
1.5.3 Legislature investigates in practice V-Dem v2lginvstp 39 0.49% 1975 2023 1.5.4 Legislature opposition parties V-Dem v2lgoppart 88 1.10% 1975 2023 1.5.5 Executive constraints Polity xconst 414 5.17% 1975 2023 1.6.1 Local government index V-Dem v2xel_locelec 182 2.27% 1975 2023 1.6.2 Subnational elections free and fair V-Dem v2elffelr 573 7.16% 1975 2023 1.6.3 Local government elected V-Dem v3ellocelc 348 4.35% 1975 2023 2.1.1 Access to justice for men V-Dem v2clacjstm 0 0.00% 1975 2023 2.1.2 Access to justice for women V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.3 Judicial accountability V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 19	1.5.1		V-Dem	v2lgqstexp	90	1.12%	1975	2023
1.5.3 practice V-Dem Vzlginvstp 39 0.49% 1975 2023 1.5.4 Legislature opposition parties V-Dem v2lgoppart 88 1.10% 1975 2023 1.5.5 Executive constraints Polity xconst 414 5.17% 1975 2023 1.6.1 Local government index V-Dem v2xel_locelec 182 2.27% 1975 2023 1.6.2 Subnational elections free and fair V-Dem v2elffelr 573 7.16% 1975 2023 1.6.3 Local government elected V-Dem v3ellocelc 348 4.35% 1975 2023 2.1.1 Access to justice for men V-Dem v2clacjstm 0 0.00% 1975 2023 2.1.2 Access to justice for women V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.3 Judicial corruption decision V-Dem v2juaccnt 0 0.00% 1975 2023 2.1.5 <t< td=""><td>1.5.2</td><td>Executive oversight</td><td>V-Dem</td><td>v2lgotovst</td><td>29</td><td>0.36%</td><td>1975</td><td>2023</td></t<>	1.5.2	Executive oversight	V-Dem	v2lgotovst	29	0.36%	1975	2023
1.5.5 Executive constraints Polity xconst 414 5.17% 1975 2023 1.6.1 Local government index V-Dem v2xel_locelec 182 2.27% 1975 2023 1.6.2 Subnational elections free and fair V-Dem v2elffelr 573 7.16% 1975 2023 1.6.3 Local government elected V-Dem v3ellocelc 348 4.35% 1975 2023 2.1.1 Access to justice for men V-Dem v2clacjstm 0 0.00% 1975 2023 2.1.2 Access to justice for women V-Dem v2clacjstw 0 0.00% 1975 2023 2.1.3 Judicial corruption decision V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.4 Judicial accountability V-Dem v2juaccnt 0 0.00% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule	1.5.3		V-Dem	v2lginvstp	39	0.49%	1975	2023
1.6.1 Local government index V-Dem v2xel_locelec 182 2.27% 1975 2023 1.6.2 Subnational elections free and fair V-Dem v2elffelr 573 7.16% 1975 2023 1.6.3 Local government elected V-Dem v3ellocelc 348 4.35% 1975 2023 2.1.1 Access to justice for men V-Dem v2clacjstm 0 0.00% 1975 2023 2.1.2 Access to justice for women V-Dem v2clacjstw 0 0.00% 1975 2023 2.1.3 Judicial corruption decision V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.4 Judicial accountability V-Dem v2juaccnt 0 0.00% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule of Law Freedom in the World F2 5927 74.06% 2012 2023	1.5.4	Legislature opposition parties	V-Dem	v2lgoppart	88	1.10%	1975	2023
1.6.2 Subnational elections free and fair V-Dem v2elffelr 573 7.16% 1975 2023 1.6.3 Local government elected V-Dem v3ellocelc 348 4.35% 1975 2023 2.1.1 Access to justice for men V-Dem v2clacjstm 0 0.00% 1975 2023 2.1.2 Access to justice for women V-Dem v2clacjstw 0 0.00% 1975 2023 2.1.3 Judicial corruption decision V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.4 Judicial accountability V-Dem v2juaccnt 0 0.00% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule of Law Freedom in the World F2 5927 74.06% 2012 2023	1.5.5	Executive constraints	Polity	xconst	414	5.17%	1975	2023
1.6.3 Local government elected V-Dem v3ellocelc 348 4.35% 1975 2023 2.1.1 Access to justice for men V-Dem v2clacjstm 0 0.00% 1975 2023 2.1.2 Access to justice for women V-Dem v2clacjstw 0 0.00% 1975 2023 2.1.3 Judicial corruption decision V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.4 Judicial accountability V-Dem v2juacent 0 0.00% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule of Law Freedom in the World F2 5927 74.06% 2012 2023	1.6.1	Local government index	V-Dem	v2xel_locelec	182	2.27%	1975	2023
2.1.1 Access to justice for men V-Dem v2clacjstm 0 0.00% 1975 2023 2.1.2 Access to justice for women V-Dem v2clacjstw 0 0.00% 1975 2023 2.1.3 Judicial corruption decision V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.4 Judicial accountability V-Dem v2juaccnt 0 0.00% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule of Law Freedom in the World F2 5927 74.06% 2012 2023	1.6.2	Subnational elections free and fair	V-Dem	v2elffelr	573	7.16%	1975	2023
2.1.2 Access to justice for women V-Dem v2clacjstw 0 0.00% 1975 2023 2.1.3 Judicial corruption decision V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.4 Judicial accountability V-Dem v2juaccnt 0 0.00% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule of Law Freedom in the World F2 5927 74.06% 2012 2023	1.6.3	Local government elected	V-Dem	v3ellocelc	348	4.35%	1975	2023
2.1.3 Judicial corruption decision V-Dem v2jucorrdc 30 0.37% 1975 2023 2.1.4 Judicial accountability V-Dem v2juaccnt 0 0.00% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule of Law Freedom in the World F2 5927 74.06% 2012 2023	2.1.1	Access to justice for men	V-Dem	v2clacjstm	0	0.00%	1975	2023
2.1.4 Judicial accountability V-Dem v2juacent 0 0.00% 1975 2023 2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule of Law Freedom in the World F2 5927 74.06% 2012 2023	2.1.2	Access to justice for women	V-Dem	v2clacjstw	0	0.00%	1975	2023
2.1.5 Fair trial CLD fairtrial 38 0.47% 1975 2023 2.1.6 F2 Rule of Law Freedom in the World F2 5927 74.06% 2012 2023	2.1.3	Judicial corruption decision	V-Dem	v2jucorrdc	30	0.37%	1975	2023
2.1.6 F2 Rule of Law Freedom in the World F2 5927 74.06% 2012 2023	2.1.4	Judicial accountability	V-Dem	v2juacent	0	0.00%	1975	2023
2.1.6 F2 Rule of Law World F2 5927 74.06% 2012 2023	2.1.5	Fair trial	CLD	fairtrial	38	0.47%	1975	2023
2.1.7 Civil Rights BTI civ_rights 5544 69.27% 2006 2023	2.1.6	F2 Rule of Law		F2	5927	74.06%	2012	2023
	2.1.7	Civil Rights	BTI	civ_rights	5544	69.27%	2006	2023

2.2.1 Freedom of discussion for women V-Dem V2cldiscw 0 0.0% 1975 2023 2.2.2 Freedom of discussion for men V-Dem v2cladree 0 0.0% 1975 2023 2.2.3 Freedom of pacedemic and cultural expression V-Dem v2cladree 0 0.00% 1975 2023 2.2.4 Freedom of speech and press CIRIGHTS speech 1278 15.97% 1981 2023 2.2.5 Freedom of speech and press CIRIGHTS speech 1278 15.97% 1981 2023 2.2.6 A. Obstacles to access Freedom on the Net A 7194 89.89% 2011 2023 2.2.7 B. Limits on content Freedom on the Net C 7194 89.89% 2011 2023 2.2.2 B. Freedom of Expression and Bridelia Freedom on the Net C 7194 89.89% 2011 2023 2.2.1 Preedom of Expression and Bridelia Freedom on the World D 9277 74.06% 2012 <th>ID</th> <th>Indicator</th> <th>Data set</th> <th>Variable</th> <th>Missing (N)</th> <th>Missing (%)</th> <th>Year (min)</th> <th>Year (max)</th>	ID	Indicator	Data set	Variable	Missing (N)	Missing (%)	Year (min)	Year (max)
2.2.3 Freedom of academic and cultural expression V-Dem v2clacfree 0 0.00% 1975 2023 2.2.4 Freedom of opinion and expression CLD freexp 38 0.47% 1995 2023 2.2.5 Freedom of speech and press CRIGHTS speech 1278 15.97% 1981 2023 2.2.6 A. Obstacles to access Freedom on the Net A 7194 89.89% 2011 2023 2.2.7 B. Limits on content Freedom on the Net C 7194 89.89% 2011 2023 2.2.2 B. Limits on content Freedom on the Net C 7194 89.89% 2011 2023 2.2.2 B. Limits on content Freedom on the Net C 7194 89.89% 2011 2023 2.2.2 B. Expression of Expression and Belief Freedom on the Net D 0 30.00% 2012 2023 2.2.1 Print/broadcast cessorship effort V-Dem v2mecres 5544 69.27% 2006 <td< td=""><td>2.2.1</td><td>Freedom of discussion for women</td><td>V-Dem</td><td>v2cldiscw</td><td>0</td><td>0.00%</td><td>1975</td><td>2023</td></td<>	2.2.1	Freedom of discussion for women	V-Dem	v2cldiscw	0	0.00%	1975	2023
2.2.3 expression V-Dern V-Zeractree U 0.00% 1975 2023 2.2.4 Freedom of opinion and expression CLD freexp 38 0.47% 1975 2023 2.2.5 Freedom of speech and press CIRIGHTS speech 1278 15.97% 1981 2023 2.2.6 A. Obstacles to access Freedom on the Net A 7194 89.89% 2011 2023 2.2.7 B. Limits on content Freedom on the Net B 7194 89.89% 2011 2023 2.2.8 C. Violations of user rights Freedom in the Net C 7194 89.89% 2011 2023 2.2.10 D4 Freedom of Expression and Bellef Freedom in the World D3 5927 74.06% 2012 2023 2.2.11 Freedom of Expression and Bellef Freedom in the World D4 5927 74.06% 2012 2023 2.2.11 Freedom of Expression and BIT express 5544 69.27% 2006 2023	2.2.2	Freedom of discussion for men	V-Dem	v2cldiscm	0	0.00%	1975	2023
2.2.4 expression CLD freedom 38 0.47% 1975 2023 2.2.5 Freedom of speech and press CIRIGHTS speech 1278 15.97% 1981 2023 2.2.6 A. Obstacles to access Freedom on the Net A 7194 89.89% 2011 2023 2.2.8 C. Violations of user rights Freedom on the Net C 7194 89.89% 2011 2023 2.2.9 D3 Freedom of Expression and Belief Freedom in the World D3 5927 74.06% 2012 2023 2.2.10 D4 Freedom of Expression and Belief Freedom in the World D4 5927 74.06% 2012 2023 2.2.11 Freedom of Expression and BIT express 5544 69.27% 2006 2023 2.2.12 Print/broadcast censorship effort V-Dem v2mecnerfm 0 0.00% 1975 2023 2.2.13 Harassment of journalists V-Dem v2mesifcen 0 0.00% 1975 2023	2.2.3		V-Dem	v2clacfree	0	0.00%	1975	2023
2.2.6 A. Obstacles to access Freedom on the Net A 7194 89.89% 2011 2023	2.2.4	·	CLD	freexp	38	0.47%	1975	2023
2.2.6 A Obstacles to access Net A 7194 89.89% 2011 2023 2.2.7 B. Limits on content Freedom on the Net B 7194 89.89% 2011 2023 2.2.8 C. Violations of user rights Freedom on the Net C 7194 89.89% 2011 2023 2.2.9 D3 Freedom of Expression and Bellef Freedom in the World D3 5927 74.06% 2012 2023 2.2.10 D4 Freedom of Expression and Bellef Freedom in the World D4 5927 74.06% 2012 2023 2.2.11 Freedom of expression BTI express 5544 69.27% 2006 2023 2.2.12 Print/broadcast censorship effort V-Dem v2meceneffm 0 0.00% 1975 2023 2.2.13 Harassment of journalists V-Dem v2mesifcen 0 0.00% 1975 2023 2.2.14 Media self-censorship V-Dem v2mecrit 0 0.00% 1975 2023 <td>2.2.5</td> <td>Freedom of speech and press</td> <td>CIRIGHTS</td> <td>speech</td> <td>1278</td> <td>15.97%</td> <td>1981</td> <td>2023</td>	2.2.5	Freedom of speech and press	CIRIGHTS	speech	1278	15.97%	1981	2023
2.2.7 B. Limits on content Net B 7194 89.89% 2011 2023 2.2.8 C. Violations of user rights Freedom on the Net C 7194 89.89% 2011 2023 2.2.9 D3 Freedom of Expression and Belief Freedom in the World D3 5927 74.06% 2012 2023 2.2.10 D4 Freedom of Expression and Belief Freedom in the World D4 5927 74.06% 2012 2023 2.2.11 Freedom of expression BTI express 5544 69.27% 2006 2023 2.2.12 Print/broadcast censorship effort V-Dem v2mecenefm 0 0.00% 1975 2023 2.2.13 Harassment of journalists V-Dem v2mesifcen 0 0.00% 1975 2023 2.2.14 Media self-censorship V-Dem v2mesifcen 0 0.00% 1975 2023 2.2.15 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 <td>2.2.6</td> <td>A. Obstacles to access</td> <td></td> <td>А</td> <td>7194</td> <td>89.89%</td> <td>2011</td> <td>2023</td>	2.2.6	A. Obstacles to access		А	7194	89.89%	2011	2023
2.2.8 C. Violations of user rights Net C 7194 89.39% 2011 2023 2.2.9 D3 Freedom of Expression and Belief Freedom in the World D4 5927 74.06% 2012 2023 2.2.10 D4 Freedom of Expression and Belief Freedom in the World D4 5927 74.06% 2012 2023 2.2.11 Freedom of expression BTI express 5544 69.27% 2006 2023 2.2.12 Print/broadcast censorship effort V-Dem v2mecneffm 0 0.00% 1975 2023 2.2.13 Harassment of journalists V-Dem v2mecneffm 0 0.00% 1975 2023 2.2.13 Hardas self-censorship V-Dem v2mecifce 0 0.00% 1975 2023 2.2.15 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 2.2.16 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 </td <td>2.2.7</td> <td>B. Limits on content</td> <td></td> <td>В</td> <td>7194</td> <td>89.89%</td> <td>2011</td> <td>2023</td>	2.2.7	B. Limits on content		В	7194	89.89%	2011	2023
2.2.9 Belief World D3 5927 74.06% 2012 2023 2.2.10 D4 Freedom of Expression and Belief Freedom in the World D4 5927 74.06% 2012 2023 2.2.11 Freedom of expression BTI express 5544 69.27% 2006 2023 2.2.12 Print/broadcast censorship effort V-Dem v2mecenefm 0 0.00% 1975 2023 2.2.13 Harassment of journalists V-Dem v2meharjm 0 0.00% 1975 2023 2.2.14 Media self-censorship V-Dem v2meslfcen 0 0.00% 1975 2023 2.2.15 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 2.2.16 Print/broadcast media critical V-Dem v2merange 0 0.00% 1975 2023 2.2.17 Media bias V-Dem v2metange 0 0.00% 1975 2023 2.2.18 Media	2.2.8	C. Violations of user rights		С	7194	89.89%	2011	2023
2.2.10 Belief World D4 5927 74.06% 2012 2023 2.2.11 Freedom of expression BTI express 5544 69.27% 2006 2023 2.2.12 Print/broadcast censorship effort V-Dem v2mecnefm 0 0.00% 1975 2023 2.2.13 Harassment of journalists V-Dem v2meaharjm 0 0.00% 1975 2023 2.2.14 Media self-censorship V-Dem v2mesifcen 0 0.00% 1975 2023 2.2.15 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 2.2.16 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 2.2.16 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 2.2.17 Media bias V-Dem v2mecorrpt 0 0.00% 1975 2023 2.2.19 Media freedom	2.2.9			D3	5927	74.06%	2012	2023
2.2.12 Print/broadcast censorship effort V-Dem v2mecenefm 0 0.00% 1975 2023 2.2.13 Harassment of journalists V-Dem v2meharjrn 0 0.00% 1975 2023 2.2.14 Media self-censorship V-Dem v2meslfcen 0 0.00% 1975 2023 2.2.15 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 2.2.16 Print/broadcast media critical V-Dem v2merange 0 0.00% 1975 2023 2.2.17 Media bias V-Dem v2mebias 0 0.00% 1975 2023 2.2.18 Media corrupt V-Dem v2mecorrpt 0 0.00% 1975 2023 2.2.19 Media freedom Maction freedom MFD 385 4.81% 1975 2023 2.2.20 D1 Freedom of Expression and Belief Freedom in the World D1 5927 74.06% 2012 2023 2.2.21 CSO entry and exit V-Dem v2csreprss 0 0.00% 1975	2.2.10	· ·		D4	5927	74.06%	2012	2023
2.2.13 Harassment of journalists V-Dem v2meharjrn 0 0.00% 1975 2023 2.2.14 Media self-censorship V-Dem v2meslfcen 0 0.00% 1975 2023 2.2.15 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 2.2.16 Print/broadcast media perspectives V-Dem v2merange 0 0.00% 1975 2023 2.2.17 Media bias V-Dem v2mebias 0 0.00% 1975 2023 2.2.18 Media corrupt V-Dem v2mecorrpt 0 0.00% 1975 2023 2.2.19 Media freedom Media freedom MFD 385 4.81% 1975 2023 2.2.20 D1 Freedom of Expression and Belief Freedom in the World D1 5927 74.06% 2012 2023 2.2.21 CSO entry and exit V-Dem v2cseeorgs 0 0.00% 1975 2023 2.2.22 CSO repression V-Dem v2csreprss 0 0.00% 1975 2023	2.2.11	Freedom of expression	BTI	express	5544	69.27%	2006	2023
2.2.14 Media self-censorship V-Dem v2meslfcen 0 0.00% 1975 2023 2.2.15 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 2.2.16 Print/broadcast media perspectives V-Dem v2merange 0 0.00% 1975 2023 2.2.17 Media bias V-Dem v2mebias 0 0.00% 1975 2023 2.2.18 Media corrupt V-Dem v2mecorrpt 0 0.00% 1975 2023 2.2.19 Media freedom Media Freedom Media Freedom MFD 385 4.81% 1975 2023 2.2.20 D1 Freedom of Expression and Belief Freedom in the World D1 5927 74.06% 2012 2023 2.2.21 CSO entry and exit V-Dem v2cseeorgs 0 0.00% 1975 2023 2.2.22 CSO repression V-Dem v2csreprss 0 0.00% 1975 2023 2.2.23 Freedom of peaceful ass	2.2.12	Print/broadcast censorship effort	V-Dem	v2mecenefm	0	0.00%	1975	2023
2.2.15 Print/broadcast media critical V-Dem v2mecrit 0 0.00% 1975 2023 2.2.16 Print/broadcast media perspectives V-Dem v2merange 0 0.00% 1975 2023 2.2.17 Media bias V-Dem v2mebias 0 0.00% 1975 2023 2.2.18 Media corrupt V-Dem v2mecorrpt 0 0.00% 1975 2023 2.2.19 Media freedom Media Freedom MFD 385 4.81% 1975 2023 2.2.20 D1 Freedom of Expression and Belief Freedom in the World D1 5927 74.06% 2012 2023 2.2.21 CSO entry and exit V-Dem v2cseeorgs 0 0.00% 1975 2023 2.2.22 CSO repression V-Dem v2csaesembs 27 0.34% 1975 2023 2.2.23 Freedom of peaceful assembly CLD freass 38 0.47% 1975 2023 2.2.24 Freedom of assembly and associati	2.2.13	Harassment of journalists	V-Dem	v2meharjrn	0	0.00%	1975	2023
2.2.16 Print/broadcast media perspectives V-Dem v2merange 0 0.00% 1975 2023 2.2.17 Media bias V-Dem v2mebias 0 0.00% 1975 2023 2.2.18 Media corrupt V-Dem v2mecorrpt 0 0.00% 1975 2023 2.2.19 Media freedom Media Freedom MFD 385 4.81% 1975 2023 2.2.20 D1 Freedom of Expression and Belief Freedom in the World D1 5927 74.06% 2012 2023 2.2.21 CSO entry and exit V-Dem v2cseeorgs 0 0.00% 1975 2023 2.2.22 CSO repression V-Dem v2csreprss 0 0.00% 1975 2023 2.2.23 Freedom of peaceful assembly V-Dem v2caassemb 27 0.34% 1975 2023 2.2.24 Freedom of association and assembly and association CLD freass 38 0.47% 1975 2023 2.2.25 Freedom of assembly and association CIRIGHTS assn 1288 16.09% 1981	2.2.14	Media self-censorship	V-Dem	v2meslfcen	0	0.00%	1975	2023
2.2.16 perspectives V-Dem V2merange 0 0.00% 1975 2023 2.2.17 Media bias V-Dem v2mebias 0 0.00% 1975 2023 2.2.18 Media corrupt V-Dem v2mecorrpt 0 0.00% 1975 2023 2.2.19 Media freedom Media Freedom pata MFD 385 4.81% 1975 2023 2.2.20 D1 Freedom of Expression and Belief Freedom in the World D1 5927 74.06% 2012 2023 2.2.21 CSO entry and exit V-Dem v2cseeorgs 0 0.00% 1975 2023 2.2.22 CSO repression V-Dem v2csreprss 0 0.00% 1975 2023 2.2.23 Freedom of peaceful assembly V-Dem v2caassemb 27 0.34% 1975 2023 2.2.24 Freedom of association and assembly and association CLD freedom of association CIRIGHTS assn 1288 16.09% 1981 2023	2.2.15	Print/broadcast media critical	V-Dem	v2mecrit	0	0.00%	1975	2023
2.2.18 Media corrupt V-Dem v2mecorrpt 0 0.00% 1975 2023 2.2.19 Media freedom Media Freedom Data MFD 385 4.81% 1975 2023 2.2.20 D1 Freedom of Expression and Belief Freedom in the World D1 5927 74.06% 2012 2023 2.2.2.21 CSO entry and exit V-Dem v2cseeorgs 0 0.00% 1975 2023 2.2.22 CSO repression V-Dem v2csreprss 0 0.00% 1975 2023 2.2.23 Freedom of peaceful assembly V-Dem v2caassemb 27 0.34% 1975 2023 2.2.24 Freedom of association and association and association CLD freass 38 0.47% 1975 2023 2.2.25 Freedom of assembly and association CIRIGHTS assn 1288 16.09% 1981 2023 2.2.26 Union practices CIRIGHTS union_p 2911 36.37% 1981 2023	2.2.16		V-Dem	v2merange	0	0.00%	1975	2023
2.2.19 Media freedom Data MFD 385 4.81% 1975 2023 2.2.20 D1 Freedom of Expression and Belief Freedom in the World D1 5927 74.06% 2012 2023 2.2.21 CSO entry and exit V-Dem v2cseeorgs 0 0.00% 1975 2023 2.2.22 CSO repression V-Dem v2csreprss 0 0.00% 1975 2023 2.2.23 Freedom of peaceful assembly V-Dem v2caassemb 27 0.34% 1975 2023 2.2.24 Freedom of association and assembly CLD freeass 38 0.47% 1975 2023 2.2.25 Freedom of assembly and association CIRIGHTS assn 1288 16.09% 1981 2023 2.2.26 Union practices CIRIGHTS union_p 2911 36.37% 1981 2023	2.2.17	Media bias	V-Dem	v2mebias	0	0.00%	1975	2023
2.2.19 Media freedom Data MFD 385 4.81% 1975 2023 2.2.20 D1 Freedom of Expression and Belief Freedom in the World D1 5927 74.06% 2012 2023 2.2.21 CSO entry and exit V-Dem v2cseeorgs 0 0.00% 1975 2023 2.2.22 CSO repression V-Dem v2csreprss 0 0.00% 1975 2023 2.2.23 Freedom of peaceful assembly V-Dem v2caassemb 27 0.34% 1975 2023 2.2.24 Freedom of association and assembly CLD freass 38 0.47% 1975 2023 2.2.25 Freedom of assembly and association CIRIGHTS assn 1288 16.09% 1981 2023 2.2.26 Union practices CIRIGHTS union_p 2911 36.37% 1981 2023	2.2.18	Media corrupt	V-Dem	v2mecorrpt	0	0.00%	1975	2023
2.2.20 Belief World DT 5927 74.06% 2012 2023 2.2.21 CSO entry and exit V-Dem v2cseeorgs 0 0.00% 1975 2023 2.2.22 CSO repression V-Dem v2csreprss 0 0.00% 1975 2023 2.2.23 Freedom of peaceful assembly V-Dem v2caassemb 27 0.34% 1975 2023 2.2.24 Freedom of association and assembly CLD freass 38 0.47% 1975 2023 2.2.25 Freedom of assembly and association CIRIGHTS assn 1288 16.09% 1981 2023 2.2.26 Union practices CIRIGHTS union_p 2911 36.37% 1981 2023	2.2.19	Media freedom		MFD	385	4.81%	1975	2023
2.2.22 CSO repression V-Dem v2csreprss 0 0.00% 1975 2023 2.2.23 Freedom of peaceful assembly V-Dem v2caassemb 27 0.34% 1975 2023 2.2.24 Freedom of association and assembly CLD freass 38 0.47% 1975 2023 2.2.25 Freedom of assembly and association CIRIGHTS assn 1288 16.09% 1981 2023 2.2.26 Union practices CIRIGHTS union_p 2911 36.37% 1981 2023	2.2.20			D1	5927	74.06%	2012	2023
2.2.23 Freedom of peaceful assembly V-Dem v2caassemb 27 0.34% 1975 2023 2.2.24 Freedom of association and assembly CLD freass 38 0.47% 1975 2023 2.2.25 Freedom of assembly and association CIRIGHTS assn 1288 16.09% 1981 2023 2.2.26 Union practices CIRIGHTS union_p 2911 36.37% 1981 2023	2.2.21	CSO entry and exit	V-Dem	v2cseeorgs	0	0.00%	1975	2023
2.2.24 Freedom of association and assembly CLD freass 38 0.47% 1975 2023 2.2.25 Freedom of assembly and association CIRIGHTS assn 1288 16.09% 1981 2023 2.2.26 Union practices CIRIGHTS union_p 2911 36.37% 1981 2023	2.2.22	CSO repression	V-Dem	v2csreprss	0	0.00%	1975	2023
2.2.24 assembly CLD freass 38 0.47% 1975 2023 2.2.25 Freedom of assembly and association CIRIGHTS assn 1288 16.09% 1981 2023 2.2.26 Union practices CIRIGHTS union_p 2911 36.37% 1981 2023	2.2.23	Freedom of peaceful assembly	V-Dem	v2caassemb	27	0.34%	1975	2023
2.2.26 Union practices CIRIGHTS union_p 2911 36.37% 1981 2023	2.2.24		CLD	freass	38	0.47%	1975	2023
	2.2.25		CIRIGHTS	assn	1288	16.09%	1981	2023
2.2.27 Collective bargaining practices CIRIGHTS barg_p 2920 36.49% 1981 2023	2.2.26	Union practices	CIRIGHTS	union_p	2911	36.37%	1981	2023
	2.2.27	Collective bargaining practices	CIRIGHTS	barg_p	2920	36.49%	1981	2023

ID	Indicator	Data set	Variable	Missing (N)	Missing (%)	Year (min)	Year (max)
2.2.28	E1 Associational and Organizational Rights	Freedom in the World	E1	5927	74.06%	2012	2023
2.2.29	E2 Associational and Organizational Rights	Freedom in the World	E2	5927	74.06%	2012	2023
2.2.30	E3 Associational and Organizational Rights	Freedom in the World	E3	5927	74.06%	2012	2023
2.2.31	Association/assembly rights	ВТІ	assembly	5544	69.27%	2006	2023
2.2.32	Freedom of religion	V-Dem	v2clrelig	0	0.00%	1975	2023
2.2.33	Religious organization repression	V-Dem	v2csrlgrep	0	0.00%	1975	2023
2.2.34	Freedom of thought, conscience and religion	CLD	frerel	38	0.47%	1975	2023
2.2.35	Freedom of religion	CIRIGHTS	rel_free	1058	13.22%	1981	2023
2.2.36	D2 Freedom of Expression and Belief	Freedom in the World	D2	5927	74.06%	2012	2023
2.2.41	Freedom of foreign movement	V-Dem	v2clfmove	0	0.00%	1975	2023
2.2.42	Freedom of domestic movement for women	V-Dem	v2cldmovew	0	0.00%	1975	2023
2.2.43	Freedom of domestic movement for men	V-Dem	v2cldmovem	0	0.00%	1975	2023
2.2.44	Freedom of movement and residence	CLD	fremov	38	0.47%	1975	2023
2.2.45	Freedom of foreign movement	CIRIGHTS	formov	1056	13.20%	1981	2023
2.2.46	Freedom of domestic movement	CIRIGHTS	dommov	1058	13.22%	1981	2023
2.2.47	G1 Personal Autonomy and Individual Rights	Freedom in the World	G1	5927	74.06%	2012	2023
2.3.1	Infant mortality rate	CME	_	138	1.72%	1975	2023
2.3.2	Life expectancy	WPP	_	67	0.84%	1975	2023
2.3.3	Kilocalories per person per day	FAO	_	696	8.70%	1975	2023
2.3.4	Literacy	UNESCO	_	2857	35.70%	1975	2023
2.3.5	Mean years of schooling	IHME	_	32	0.40%	1975	2023
2.3.6	Educational equality	V-Dem	v2peedueq	0	0.00%	1975	2023
2.3.7	Health equality	V-Dem	v2pehealth	0	0.00%	1975	2023
2.3.8	Healthy life expectancy at 60 – Male	WHO	WHOSIS_000007	3958	49.46%	2000	2019
2.3.9	Healthy life expectancy at 60 Female	WHO	WHOSIS_000007	3958	49.46%	2000	2019
2.4.1	Social group equality in respect for civil liberties	V-Dem	v2clsocgrp	0	0.00%	1975	2023
2.4.2	Power distributed by social group	V-Dem	v2pepwrsoc	0	0.00%	1975	2023

ID	Indicator	Data set	Variable	Missing (N)	Missing (%)	Year (min)	Year (max)
2.4.3	Power distributed by sexual orientation	V-Dem	v2pepwrort	0	0.00%	1975	2023
2.4.4	Exclusion by political group index	V-Dem	v2xpe_exlpol	40	0.50%	1975	2023
2.4.5	Exclusion by social group index	V-Dem	v2xpe_exlsocgr	35	0.44%	1975	2023
2.4.6	Political Pluralism and Participation (B4)	Freedom in the World	B4	5927	74.06%	2012	2023
2.4.7	Rule of Law (F4)	Freedom in the World	F4	5927	74.06%	2012	2023
2.4.8	Equal opportunity	BTI	equal	5544	69.27%	2006	2023
2.4.9	Social class equality in respect for civil liberties	V-Dem	v2clacjust	0	0.00%	1975	2023
2.4.10	Power distributed by socio- economic position	V-Dem	v2pepwrses	0	0.00%	1975	2023
2.4.11	Exclusion by socio-economic group	V-Dem	v2xpe_exlecon	20	0.25%	1975	2023
2.4.12	Exclusion by urban-rural location index	V-Dem	v2xpe_exlgeo	35	0.44%	1975	2023
2.4.13	Socio-economic barriers	ВТІ	barriers	5544	69.27%	2006	2023
2.4.14	Gini coefficient	SWIID	gini_disp	1858	23.22%	1975	2023
2.4.15	Power distributed by gender	V-Dem	v2pepwrgen	0	0.00%	1975	2023
2.4.16	CSO women's participation	V-Dem	v2csgender	0	0.00%	1975	2023
2.4.17	Female vs. male mean years of schooling	GHDx	-	32	0.40%	1975	2023
2.4.18	Lower chamber female legislators	V-Dem	v2lgfemleg	674	8.42%	1975	2023
2.4.19	Exclusion by gender	V-Dem	v2xpe_exlgender	20	0.25%	1975	2023
2.4.20	Women's political rights	CIRIGHTS	wopol	1294	16.17%	1981	2023
2.4.21	Women's economic rights	CIRIGHTS	wecon	1344	16.79%	1981	2023
2.4.22	Political empowerment	Global Gender Gap Report	-	5933	74.13%	2006	2023
2.4.23	Labour force participation rate (women - men)	ILO	EAP_DWAP_SEX_ AGE_RT	2094	26.17%	1975	2023
2.4.24	Share of managerial positions held by women	ILO	SDG_T552_NOC_ RT	5181	64.74%	2000	2023
2.4.25	Control of bank accounts (women - men)	World Bank	FX.OWN.TOTL. FE.ZS, FX.OWN. TOTL.MA.ZS	6187	77.31%	2011	2023
3.1.1	High Court independence	V-Dem	v2juhcind	27	0.34%	1975	2023
3.1.2	Lower court independence	V-Dem	v2juncind	0	0.00%	1975	2023
3.1.3	Compliance with High Court	V-Dem	v2juhccomp	30	0.37%	1975	2023
3.1.4	Compliance with judiciary	V-Dem	v2jucomp	30	0.37%	1975	2023

3.1.5 Independent judiciary CIRIGHTS injud 1083 13.53% 1981 2023 3.1.6 F1 Rule of Law Freedom in the World F1 5927 74.06% 2012 2023 3.1.7 Separation of power BTI separation 5544 69.27% 2006 2023 3.2.1 Public sector corrupt exchanges V-Dem v2excrptps 0 0.00% 1975 2023 3.2.2 Public sector theft V-Dem v2exthftps 0 0.00% 1975 2023 3.2.3 Executive embezziement and theft V-Dem v2exembez 0 0.00% 1975 2023 3.2.5 Corruption ICRG F 2723 34.02% 1984 2023 3.2.6 C2 Functioning of Government Freedom in the World C2 5927 74.06% 2012 2023 3.2.7 Prosecution of office abuse BTI prosecution 5544 69.27% 2006 2023 3.3.1 Exec	ID	Indicator	Data set	Variable	Missing (N)	Missing (%)	Year (min)	Year (max)
11-10-11-12-12-12-12-12-12-12-12-12-12-12-12-	3.1.5	Independent judiciary	CIRIGHTS	injud	1083	13.53%	1981	2023
3.1.8 Independent judiciary BTI judiciary S544 69.27% 2006 2023	3.1.6	F1 Rule of Law		F1	5927	74.06%	2012	2023
3.2.1 Public sector corrupt exchanges V-Dem v2excrptps 0 0.00% 1975 2023 3.2.2 Public sector theft V-Dem v2exthftps 0 0.00% 1975 2023 3.2.3 Executive embezzlement and theft V-Dem v2exthribe 0 0.00% 1975 2023 3.2.4 Executive bribery and corrupt V-Dem v2exthribe 0 0.00% 1975 2023 3.2.5 Corruption ICRG F 2723 34.02% 1984 2023 3.2.6 C2 Functioning of Government Freedom in the World C2 5927 74.06% 2012 2023 3.2.7 Prosecution of office abuse BTI prosecution 5544 69.27% 2006 2023 3.3.1 Executive respects constitution V-Dem v2exrescon 0 0.00% 1975 2023 3.3.2 Erfocative respects constitution V-Dem v2exrescon 0 0.00% 1975 2023 3.3	3.1.7	Separation of power	BTI	separation	5544	69.27%	2006	2023
3.2.2 Public sector theft V-Dem v2exthftps 0 0.00% 1975 2023 3.2.3 Executive embezzlement and theft V-Dem v2exembez 0 0.00% 1975 2023 3.2.4 Executive bribery and corrupt exchanges V-Dem v2exbribe 0 0.00% 1975 2023 3.2.5 Corruption ICRG F 2723 34.02% 1984 2023 3.2.6 C2 Functioning of Government Freedom in the World C2 5927 74.06% 2012 2023 3.2.7 Prosecution of office abuse BTI prosecution 5544 69.27% 2006 2023 3.3.1 Executive respects constitution V-Dem v2exrescon 0 0.00% 1975 2023 3.3.2 Erfocative respects constitution V-Dem v2exrescon 0 0.00% 1975 2023 3.3.3 Rigorous and impartial public administration v-Dem v2ctrinslw 0 0.00% 1975 2023	3.1.8	Independent judiciary	BTI	judiciary	5544	69.27%	2006	2023
3.2.3 Executive embezzlement and theft V-Dem v2exembez 0 0.00% 1975 2023 3.2.4 Executive bribery and corrupt exchanges V-Dem v2exbribe 0 0.00% 1975 2023 3.2.5 Corruption ICRG F 2723 34.02% 1984 2023 3.2.6 C2 Functioning of Government Freedom in the World C2 5927 74.06% 2012 2023 3.3.1 Executive respects constitution V-Dem v2exrescon 0 0.00% 1975 2023 3.3.2 Transparent laws with predictable enforcement V-Dem v2ctruslw 0 0.00% 1975 2023 3.3.3 Rigorous and impartial public administration V-Dem v2ctruslw 0 0.00% 1975 2023 3.3.4 Criteria for appointment decisions in the state administration V-Dem v2stcritrecadm 244 3.05% 1975 2023 3.3.5 Iriteria for appointment decisions in the state administration V-Dem v2stcritrapparm	3.2.1	Public sector corrupt exchanges	V-Dem	v2excrptps	0	0.00%	1975	2023
3.2.4 Executive bribery and corrupt exchanges V-Dem v2exbribe 0 0.00% 1975 2023 3.2.5 Corruption ICRG F 2723 34.02% 1984 2023 3.2.6 C2 Functioning of Government World Freedom in the World C2 5927 74.06% 2012 2023 3.2.7 Prosecution of office abuse BTI prosecution 5544 69.27% 2006 2023 3.3.1 Executive respects constitution V-Dem v2exrescon 0 0.00% 1975 2023 3.3.2 Transparent laws with predictable enforcement v-Dem v2ctrrsect 0 0.00% 1975 2023 3.3.3 Rigorous and impartial public administration v-Dem v2ctrsustw 0 0.00% 1975 2023 3.3.4 Criteria for appointment decisions in the state administration v-Dem v2stcrittepadrm 244 3.05% 1975 2023 3.3.6 Bureaucratic quality ICRG L 2723 34.02%	3.2.2	Public sector theft	V-Dem	v2exthftps	0	0.00%	1975	2023
3.2.4 exchanges V-Dem V-Zexonoe 0 0.00% 1973 2023 3.2.5 Corruption ICRG F 2723 34.02% 1984 2023 3.2.6 C2 Functioning of Government Freedom in the World C2 5927 74.06% 2012 2023 3.3.1 Executive respects constitution V-Dem v2exrescon 0 0.00% 1975 2023 3.3.2 Transparent laws with predictable enforcement V-Dem v2citrnslw 0 0.00% 1975 2023 3.3.2 Rigorous and impartial public administration V-Dem v2citrnslw 0 0.00% 1975 2023 3.3.4 Criteria for appointment decisions in the state administration V-Dem v2storitrecadm 244 3.05% 1975 2023 3.3.5 Criteria for appointment decisions in the armed forces V-Dem v2storitrecadm 244 3.05% 1975 2023 3.3.6 Bureaucratic quality ICRG L 2723 34.02%	3.2.3	Executive embezzlement and theft	V-Dem	v2exembez	0	0.00%	1975	2023
3.2.6 C2 Functioning of Government Freedom in the World World C2 5927 74.06% 2012 2023 3.2.7 Prosecution of office abuse BTI prosecution 5544 69.27% 2006 2023 3.3.1 Executive respects constitution V-Dem v2exrescon 0 0.00% 1975 2023 3.3.2 Transparent laws with predictable enforcement V-Dem v2ctrnstw 0 0.00% 1975 2023 3.3.3 Rigorous and impartial public administration V-Dem v2ctrspct 0 0.00% 1975 2023 3.3.4 Criteria for appointment decisions in the state administration V-Dem v2stcritracadm 244 3.05% 1975 2023 3.3.5 Criteria for appointment decisions in the attact administration V-Dem v2stcritracparm 256 3.20% 1975 2023 3.3.6 Bureaucratic quality ICRG L 2723 34.02% 1984 2023 3.3.8 C3 Functioning of Government Freedom in the World	3.2.4	•	V-Dem	v2exbribe	0	0.00%	1975	2023
3.2.6 G2 Functioning of Government World C2 5927 74.06% 2012 2023 3.2.7 Prosecution of office abuse BTI prosecution 5544 69.27% 2006 2023 3.3.1 Executive respects constitution V-Dem v2exrescon 0 0.00% 1975 2023 3.3.2 Transparent laws with predictable enforcement V-Dem v2ctrnslw 0 0.00% 1975 2023 3.3.3 Rigorous and impartial public administration V-Dem v2ctrspct 0 0.00% 1975 2023 3.3.4 Criteria for appointment decisions in the state administration V-Dem v2stcritapparm 244 3.05% 1975 2023 3.3.5 Criteria for appointment decisions in the armed forces V-Dem v2stcritapparm 256 3.20% 1975 2023 3.3.6 Bureaucratic quality ICRG L 2723 34.02% 1984 2023 3.3.7 Law and order ICRG L 2723 34.02%	3.2.5	Corruption	ICRG	F	2723	34.02%	1984	2023
3.3.1 Executive respects constitution V-Dem v2exrescon 0 0.00% 1975 2023 3.3.2 Transparent laws with predictable enforcement V-Dem v2cltrnslw 0 0.00% 1975 2023 3.3.3 Rigorous and impartial public administration V-Dem v2clrspct 0 0.00% 1975 2023 3.3.4 Criteria for appointment decisions in the state administration V-Dem v2stcritrecadm 244 3.05% 1975 2023 3.3.5 Criteria for appointment decisions in the armed forces V-Dem v2stcritreparm 256 3.20% 1975 2023 3.3.6 Bureaucratic quality ICRG L 2723 34.02% 1984 2023 3.3.7 Law and order ICRG I 2723 34.02% 1984 2023 3.3.8 C3 Functioning of Government Freedom in the World C3 5927 74.06% 2012 2023 3.3.9 Monopoly on the use of force BTI monopoly 5544 69	3.2.6	C2 Functioning of Government		C2	5927	74.06%	2012	2023
Transparent laws with predictable enforcement V-Dem v2ctrnslw 0 0.00% 1975 2023 3.3.2 Rigorous and impartial public administration V-Dem v2ctrspct 0 0.00% 1975 2023 3.3.4 Criteria for appointment decisions in the state administration V-Dem v2stcritrecadm 244 3.05% 1975 2023 3.3.5 Criteria for appointment decisions in the state administration V-Dem v2stcritapparm 256 3.20% 1975 2023 3.3.6 Bureaucratic quality ICRG L 2723 34.02% 1984 2023 3.3.7 Law and order ICRG I 2723 34.02% 1984 2023 3.3.8 C3 Functioning of Government Freedom in the World C3 5927 74.06% 2012 2023 3.3.9 Monopoly on the use of force BTI monopoly 5544 69.27% 2006 2023 3.3.10 Basic administration BTI admin 5544 69.27% 2006 2023 3.4.1 Freedom from torture V-Dem v2ctlort 0 0.00% 1975 2023 3.4.2 Freedom from political killings V-Dem v2ctkill 0 0.00% 1975 2023 3.4.3 Political terror scale Gibney et al. PTS_S 298 3.72% 1976 2023 3.4.4 Internal conflict ICRG D 2723 34.02% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.7 F3 Rule of Law Freedom in the World Freedom in the World F3 5927 74.06% 2012 2023	3.2.7	Prosecution of office abuse	BTI	prosecution	5544	69.27%	2006	2023
3.3.2 enforcement V-Dem VZeIrnsiw 0 0.00% 1975 2023 3.3.3 Rigorous and impartial public administration V-Dem v2cIrspct 0 0.00% 1975 2023 3.3.4 Criteria for appointment decisions in the state administration V-Dem v2stcritapparm 244 3.05% 1975 2023 3.3.5 Criteria for appointment decisions in the armed forces V-Dem v2stcritapparm 256 3.20% 1975 2023 3.3.6 Bureaucratic quality ICRG L 2723 34.02% 1984 2023 3.3.7 Law and order ICRG I 2723 34.02% 1984 2023 3.3.8 C3 Functioning of Government Freedom in the World C3 5927 74.06% 2012 2023 3.3.9 Monopoly on the use of force BTI monopoly 5544 69.27% 2006 2023 3.4.1 Freedom from torture V-Dem v2cltort 0 0.00% 1975 2023 3.4.2 Freedom from political killings V-Dem v2cltort </td <td>3.3.1</td> <td>Executive respects constitution</td> <td>V-Dem</td> <td>v2exrescon</td> <td>0</td> <td>0.00%</td> <td>1975</td> <td>2023</td>	3.3.1	Executive respects constitution	V-Dem	v2exrescon	0	0.00%	1975	2023
3.3.4 Criteria for appointment decisions in the state administration V-Dem V2stcritrecadm 244 3.05% 1975 2023 3.3.5 Criteria for appointment decisions in the state administration V-Dem V2stcritapparm 256 3.20% 1975 2023 3.3.6 Bureaucratic quality ICRG L 2723 34.02% 1984 2023 3.3.7 Law and order ICRG I 2723 34.02% 1984 2023 3.3.8 C3 Functioning of Government Freedom in the World C3 5927 74.06% 2012 2023 3.3.10 Basic administration BTI admin 5544 69.27% 2006 2023 3.4.1 Freedom from torture V-Dem V2cltort 0 0.00% 1975 2023 3.4.2 Freedom from political killings V-Dem V2clkill 0 0.00% 1975 2023 3.4.3 Political terror scale Gibney et al. PTS_S 298 3.72% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.7 F3 Rule of Law Freedom in the World	3.3.2		V-Dem	v2cltrnslw	0	0.00%	1975	2023
3.3.4 in the state administration V-Dem V2stcritrecadm V2stcritrecadm V2stcritrecadm V2stcritrecadm V2stcritrecadm V2stcritapparm V2stcrita	3.3.3		V-Dem	v2clrspct	0	0.00%	1975	2023
3.3.5 in the armed forces V-Dem V2storttapparm 256 3.20% 1975 2023 3.3.6 Bureaucratic quality ICRG L 2723 34.02% 1984 2023 3.3.7 Law and order ICRG I 2723 34.02% 1984 2023 3.3.8 C3 Functioning of Government Freedom in the World C3 5927 74.06% 2012 2023 3.3.9 Monopoly on the use of force BTI monopoly 5544 69.27% 2006 2023 3.3.10 Basic administration BTI admin 5544 69.27% 2006 2023 3.4.1 Freedom from torture V-Dem v2cltort 0 0.00% 1975 2023 3.4.2 Freedom from political killings V-Dem v2clkill 0 0.00% 1975 2023 3.4.3 Political terror scale Gibney et al. PTS_S 298 3.72% 1976 2023 3.4.4 Internal conflict ICRG D 2723 34.02% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.6 G4 Personal Autonomy and Individual Rights Freedom in the World F3 5927 74.06% 2012 2023 3.4.7 F3 Rule of Law Freedom in the World F3 5927 74.06% 2012 2023	3.3.4		V-Dem	v2stcritrecadm	244	3.05%	1975	2023
3.3.7 Law and order ICRG I 2723 34.02% 1984 2023 3.3.8 C3 Functioning of Government Freedom in the World C3 5927 74.06% 2012 2023 3.3.9 Monopoly on the use of force BTI monopoly 5544 69.27% 2006 2023 3.3.10 Basic administration BTI admin 5544 69.27% 2006 2023 3.4.1 Freedom from torture V-Dem v2cltort 0 0.00% 1975 2023 3.4.2 Freedom from political killings V-Dem v2clkill 0 0.00% 1975 2023 3.4.3 Political terror scale Gibney et al. PTS_S 298 3.72% 1976 2023 3.4.4 Internal conflict ICRG D 2723 34.02% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.6 G4 Personal Aut	3.3.5		V-Dem	v2stcritapparm	256	3.20%	1975	2023
3.3.8 C3 Functioning of Government Freedom in the World C3 5927 74.06% 2012 2023 3.3.9 Monopoly on the use of force BTI monopoly 5544 69.27% 2006 2023 3.3.10 Basic administration BTI admin 5544 69.27% 2006 2023 3.4.1 Freedom from torture V-Dem v2cttort 0 0.00% 1975 2023 3.4.2 Freedom from political killings V-Dem v2clkill 0 0.00% 1975 2023 3.4.3 Political terror scale Gibney et al. PTS_S 298 3.72% 1976 2023 3.4.4 Internal conflict ICRG D 2723 34.02% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.6 G4 Personal Autonomy and Individual Rights Freedom in the World G4 5927 74.06% 2012 2023	3.3.6	Bureaucratic quality	ICRG	L	2723	34.02%	1984	2023
3.3.8 C3 Functioning of Government World C3 S927 74.06% 2012 2023 3.3.9 Monopoly on the use of force BTI monopoly 5544 69.27% 2006 2023 3.3.10 Basic administration BTI admin 5544 69.27% 2006 2023 3.4.1 Freedom from torture V-Dem v2cltort 0 0.00% 1975 2023 3.4.2 Freedom from political killings V-Dem v2clkill 0 0.00% 1975 2023 3.4.3 Political terror scale Gibney et al. PTS_S 298 3.72% 1976 2023 3.4.4 Internal conflict ICRG D 2723 34.02% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.6 G4 Personal Autonomy and Individual Rights Freedom in the World Freedom in the World F3 Rule of Law Freedom in the World F3 S927 74.06% 2012 2023	3.3.7	Law and order	ICRG	1	2723	34.02%	1984	2023
3.3.10 Basic administration BTI admin 5544 69.27% 2006 2023 3.4.1 Freedom from torture V-Dem v2cltort 0 0.00% 1975 2023 3.4.2 Freedom from political killings V-Dem v2clkill 0 0.00% 1975 2023 3.4.3 Political terror scale Gibney et al. PTS_S 298 3.72% 1976 2023 3.4.4 Internal conflict ICRG D 2723 34.02% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.6 G4 Personal Autonomy and Individual Rights Freedom in the World G4 5927 74.06% 2012 2023 3.4.7 F3 Rule of Law Freedom in the World F3 5927 74.06% 2012 2023	3.3.8	C3 Functioning of Government		C3	5927	74.06%	2012	2023
3.4.1 Freedom from torture V-Dem v2cltort 0 0.00% 1975 2023 3.4.2 Freedom from political killings V-Dem v2clkill 0 0.00% 1975 2023 3.4.3 Political terror scale Gibney et al. PTS_S 298 3.72% 1976 2023 3.4.4 Internal conflict ICRG D 2723 34.02% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.6 G4 Personal Autonomy and Individual Rights Freedom in the World G4 5927 74.06% 2012 2023 3.4.7 F3 Rule of Law Freedom in the World F3 5927 74.06% 2012 2023	3.3.9	Monopoly on the use of force	BTI	monopoly	5544	69.27%	2006	2023
3.4.2 Freedom from political killings V-Dem v2clkill 0 0.00% 1975 2023 3.4.3 Political terror scale Gibney et al. PTS_S 298 3.72% 1976 2023 3.4.4 Internal conflict ICRG D 2723 34.02% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.6 G4 Personal Autonomy and Individual Rights Freedom in the World G4 5927 74.06% 2012 2023 3.4.7 F3 Rule of Law Freedom in the World F3 5927 74.06% 2012 2023	3.3.10	Basic administration	BTI	admin	5544	69.27%	2006	2023
3.4.3 Political terror scale Gibney et al. PTS_S 298 3.72% 1976 2023 3.4.4 Internal conflict ICRG D 2723 34.02% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.6 G4 Personal Autonomy and Individual Rights Freedom in the World G4 5927 74.06% 2012 2023 3.4.7 F3 Rule of Law Freedom in the World F3 5927 74.06% 2012 2023	3.4.1	Freedom from torture	V-Dem	v2cltort	0	0.00%	1975	2023
3.4.4 Internal conflict ICRG D 2723 34.02% 1984 2023 3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.6 G4 Personal Autonomy and Individual Rights Freedom in the World G4 5927 74.06% 2012 2023 3.4.7 F3 Rule of Law Freedom in the World F3 5927 74.06% 2012 2023	3.4.2	Freedom from political killings	V-Dem	v2clkill	0	0.00%	1975	2023
3.4.5 Physical integrity rights index CIRIGHTS physint 1305 16.31% 1981 2023 3.4.6 G4 Personal Autonomy and Individual Rights Freedom in the World G4 5927 74.06% 2012 2023 3.4.7 F3 Rule of Law Freedom in the World F3 5927 74.06% 2012 2023	3.4.3	Political terror scale	Gibney et al.	PTS_S	298	3.72%	1976	2023
3.4.6 G4 Personal Autonomy and Individual Rights Freedom in the World Freedom in the World Facebox Freedom in the World F3 Sule of Law Freedom in the World F3 S927 74.06% 2012 2023	3.4.4	Internal conflict	ICRG	D	2723	34.02%	1984	2023
3.4.6 Individual Rights World G4 5927 74.06% 2012 2023 3.4.7 F3 Rule of Law Freedom in the World F3 5927 74.06% 2012 2023	3.4.5	Physical integrity rights index	CIRIGHTS	physint	1305	16.31%	1981	2023
3.4.7 F3 Rule of Law World F3 5927 74.06% 2012 2023	3.4.6			G4	5927	74.06%	2012	2023
4.1.1 CSO participatory environment V-Dem v2csprtcpt 0 0.00% 1975 2023	3.4.7	F3 Rule of Law		F3	5927	74.06%	2012	2023
	4.1.1	CSO participatory environment	V-Dem	v2csprtcpt	0	0.00%	1975	2023

ID	Indicator	Data set	Variable	Missing (N)	Missing (%)	Year (min)	Year (max)
4.1.2	Engaged society	V-Dem	v2dlengage	0	0.00%	1975	2023
4.1.3	CSO consultation	V-Dem	V2csnsult	0	0.00%	1975	2023
4.1.4	E-Participation index	UN E-Government Survey	-	4444	55.53%	2003	2022
4.1.5	Interest groups	ВТІ	int_group	5544	69.27%	2006	2023
4.1.6	Social capital	ВТІ	soc_cap	5544	69.27%	2006	2023
4.2.1	Engagement in independent non- political associations	V-Dem	v2canonpol	52	0.65%	1975	2023
4.2.2	Engagement in independent political associations	V-Dem	v2capolit	64	0.80%	1975	2023
4.2.3	Engagement in independent trade unions	V-Dem	v2catrauni	67	0.84%	1975	2023
4.2.4	Civil society traditions	ВТІ	civil_trad	5544	69.27%	2006	2023
4.3.1	Election: VAP turnout	International IDEA	VAP turnout	1502	18.77%	1975	2023
4.3.2	Electoral regime index	V-Dem	v2x_electreg	0	0.00%	1975	2023
0.0.0	Direct popular vote index	V-Dem	v2xdd_dd	0	0.00%	1975	2023

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Annex E. Dimensionality tests, factor loadings and Cronbach's alpha values

DIMENSIONALITY TESTS

The empirical dimensionality of the indicators selected to capture latent theoretical concepts at all aggregation levels were assessed using Bayesian factor analysis models. For each model, the first 5,000 iterations of the chain were discarded and the next 100,000 iterations selected. Saving each 100th iteration of the chain produced a data set of 1,000 estimates for the parameters of interest in the models. As a general strategy, Bayesian factor analysis models were estimated by asking for a single factor. Two- and in some cases three-factor models were also run but none of these showed a better general fit with regard to capturing the empirical dimensionality in the data than the unidimensional solutions. Moreover, Cronbach's alpha (CA) was calculated as a measure of scalability. To inform the choices made, the pairwise bivariate correlation coefficients (Pearson's r) were also calculated for each cluster of indicators. These are presented in Annex F. The tables in this Annex include, for each indicator, the loadings and their corresponding standard error, the uniqueness coefficients and their corresponding standard errors, and the Cronbach's alpha coefficients computed for the scale with the item deleted.

FACTOR LOADINGS AND CRONBACH'S ALPHA VALUES

Attribute 1: Representation

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
1.1	Credible Elections	0.976	0.047	0.935
1.3	Free Political Parties	0.888	0.211	0.946
1.4	Elected Government	0.965	0.069	0.935
1.5	Effective Parliament	0.940	0.117	0.941
1.6	Local Democracy	0.803	0.355	0.963
				Cronbach's alpha = 0.955

1.1. Credible Elections

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
1.1.1	EMB autonomy	0.965	0.070	0.929
1.1.2	EMB capacity	0.895	0.199	0.935
1.1.3	Election other voting irregularities	0.928	0.138	0.934
1.1.4	Election government intimidation	0.972	0.055	0.930
1.1.5	Election free and fair	0.984	0.031	0.928
1.1.6	Competition	0.982	0.036	0.952
1.1.7	A3 Electoral process	0.980	0.039	0.942
1.1.8	B2 Political Pluralism and Participation	0.988	0.024	0.941
1.1.9	B3 Political Pluralism and Participation	0.966	0.066	0.943
1.1.10	Free and fair elections	0.971	0.058	0.934
				Cronbach's alpha = 0.944

1.3. Free Political Parties

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
1.3.1	Party ban	0.973	0.052	0.912
1.3.2	Barriers to parties	0.970	0.058	0.907
1.3.3	Opposition parties' autonomy	0.962	0.075	0.909
1.3.4	Elections multiparty	0.928	0.138	0.910
1.3.5	Competitiveness of participation	0.903	0.184	0.911
1.3.6	Multiparty elections	0.939	0.119	0.931
1.3.7	B1 Political Pluralism and Participation	0.981	0.038	0.919
1.3.8	Party system	0.933	0.129	0.935
				Cronbach's alpha = 0.927

1.4. Elected Government

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
1.4.1	Elected officials index	0.794	0.370	0.945
1.4.2	Competitiveness of executive recruitment	0.954	0.089	0.942
1.4.3	Openness of executive recruitment	0.878	0.229	0.945
1.4.4	Electoral	0.979	0.042	0.922
1.4.5	A1 Electoral Process	0.994	0.011	0.911
1.4.6	A2 Electoral Process	0.992	0.015	0.910
1.4.7	C1 Functioning of Government	0.992	0.015	0.913
1.4.8	Lexical index of electoral democracy	0.988	0.023	0.938
			·	Cronbach's alpha = 0.938

1.5. Effective Parliament

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
1.5.1	Legislature questions officials in practice	0.935	0.126	0.934
1.5.2	Executive oversight	0.960	0.078	0.930
1.5.3	Legislature investigates in practice	0.972	0.055	0.926
1.5.4	Legislature: opposition parties	0.964	0.071	0.928
1.5.5	Executive constraints	0.944	0.109	0.965
				Cronbach's alpha = 0.950

Attribute 2: Rights

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.1	Access to Justice	0.952	0.093	0.860
2.2	Civil Liberties	0.867	0.249	0.898
2.3	Basic Welfare	0.720	0.482	0.930
2.4	Political Equality	0.904	0.182	0.868
				Cronbach's alpha = 0.915

2.1. Access to Justice

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.1.1	Access to justice for men	0.984	0.032	0.819
2.1.2	Access to justice for women	0.979	0.041	0.821
2.1.3	Judicial corruption decision	0.723	0.478	0.845
2.1.4	Judicial accountability	0.672	0.548	0.859
2.1.5	Fair trial	0.923	0.149	0.877
2.1.6	F2 Rule of Law	0.906	0.179	0.872
2.1.7	Civil Rights	0.907	0.178	0.867
		·		Cronbach's alpha = 0.873

2.2. Civil Liberties

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.2.A	Freedom of Expression	0.960	0.079	0.952
2.2.B	Freedom of the Press	0.953	0.091	0.955
2.2.C	Freedom of Association and Assembly	0.981	0.037	0.949
2.2.D	Freedom of Religion	0.826	0.318	0.971
2.2.E	Freedom of Movement	0.895	0.198	0.959
				Cronbach's alpha = 0.965

2.2.A. Freedom of Expression

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.2.1	Freedom of discussion for women	0.972	0.055	0.913
2.2.2	Freedom of discussion for men	0.979	0.042	0.914
2.2.3	Freedom of academic and cultural expression	0.929	0.137	0.913
2.2.4	Freedom of opinion and expression	0.889	0.210	0.931
2.2.5	Freedom of speech and press	0.753	0.433	0.934
2.2.6	A. Obstacles to access	0.853	0.273	0.921
2.2.7	B. Limits on content	0.931	0.134	0.914
2.2.8	C. Violations of user rights	0.917	0.159	0.915
2.2.9	D3 Freedom of Expression and Belief	0.942	0.112	0.929
2.2.10	D4 Freedom of Expression and Belief	0.926	0.142	0.930
2.2.11	Freedom of expression	0.923	0.148	0.925
				Cronbach's alpha = 0.929

2.2.B. Freedom of the Press

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.2.12	Print/ broadcast censorship effort	0.951	0.096	0.945
2.2.13	Harassment of journalists	0.942	0.112	0.946
2.2.14	Media self-censorship	0.938	0.121	0.946
2.2.15	Critical print/broadcast media	0.955	0.088	0.945
2.2.16	Print/broadcast media perspectives	0.933	0.130	0.946
2.2.17	Media bias	0.943	0.111	0.945
2.2.18	Media corrupt	0.918	0.158	0.948
2.2.19	Media freedom INVERTED	0.922	0.150	0.966
2.2.20	D1 Freedom of Expression and Belief	0.951	0.095	0.964
				Cronbach's alpha = 0.956

2.2.C. Freedom of Association and Assembly

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.2.21	CSO entry and exit	0.918	0.158	0.866
2.2.22	CSO repression	0.935	0.125	0.863
2.2.23	Freedom of peaceful assembly	0.929	0.136	0.864
2.2.24	Freedom of association and assembly	0.931	0.133	0.884
2.2.25	Freedom of assembly and association	0.854	0.271	0.889
2.2.26	Union practices	0.772	0.404	0.892
2.2.27	Collective bargaining practices	0.745	0.445	0.892
2.2.28	E1 Associational and Organizational Rights	0.965	0.068	0.879
2.2.29	E2 Associational and Organizational Rights	0.976	0.047	0.879
2.2.30	E3 Associational and Organizational Rights	0.917	0.159	0.883
2.2.31	Association/assembly rights	0.955	0.088	0.871
				Cronbach's alpha = 0.890

2.2.D. Freedom of Religion

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.2.32	Freedom of religion	0.922	0.149	0.879
2.2.33	Religious organization repression	0.887	0.213	0.891
2.2.34	Freedom of thought, conscience and religion	0.914	0.165	0.885
2.2.35	Freedom of religion	0.838	0.297	0.907
2.2.36	D2 Freedom of Expression and Belief	0.938	0.120	0.883
				Cronbach's alpha = 0.910

2.2.E. Freedom of Movement

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.2.41	Freedom of foreign movement	0.935	0.125	0.873
2.2.42	Freedom of domestic movement for women	0.882	0.223	0.877
2.2.43	Freedom of domestic movement for men	0.948	0.102	0.884
2.2.44	Freedom of movement and residence	0.882	0.222	0.873
2.2.45	Freedom of foreign movement	0.806	0.351	0.890
2.2.46	Freedom of domestic movement	0.749	0.439	0.895
2.2.47	G1 Personal Autonomy and Individual Rights	0.933	0.129	0.884
				Cronbach's alpha = 0.898

2.3. Basic Welfare

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.3.1	Infant mortality rate	0.984	0.033	0.942
2.3.2	Life expectancy	0.971	0.058	0.941
2.3.3	Kilocalories per person per day	0.815	0.337	0.949
2.3.4	Literacy	0.832	0.307	0.953
2.3.5	Mean years of schooling	0.874	0.237	0.946
2.3.6	Educational equality	0.732	0.465	0.950
2.3.7	Health equality	0.779	0.394	0.948
2.3.8	Healthy life expectancy at 60 - Male	0.839	0.297	0.953
2.3.9	Healthy life expectancy at 60 - Female	0.915	0.162	0.947
				Cronbach's alpha = 0.953

2.4. Political Equality

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.4.A	Social Group Equality	0.969	0.060	0.871
2.4.B	Economic Equality	0.916	0.161	0.901
2.4.C	Gender Equality	0.848	0.282	0.940
				Cronbach's alpha = 0.935

2.4.A. Social Group Equality

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.4.1	Social group equality in respect for civil liberties	0.826	0.318	0.870
2.4.2	Power distributed by social group	0.845	0.285	0.866
2.4.3	Power distributed by sexual orientation	0.714	0.490	0.877
2.4.4	Exclusion by political group index	0.887	0.214	0.865
2.4.5	Exclusion by social group index	0.974	0.051	0.850
2.4.6	Political Pluralism and Participation (B4)	0.863	0.256	0.894
2.4.7	Rule of Law (F4)	0.910	0.172	0.895
2.4.8	Equal opportunity	0.822	0.324	0.894
				Cronbach's alpha = 0.892

2.4.A. Economic Equality

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.4.9	Social class equality in respect for civil liberties	0.855	0.250	0.855
2.4.10	Power distributed by socio-economic position	0.884	0.538	0.884
2.4.11	Exclusion by socio-economic Group	0.833	0.012	0.833
2.4.12	Exclusion by urban-rural location index	0.848	0.138	0.848
2.4.13	Socio-economic barriers	0.902	0.372	0.902
2.4.14	Gini coefficient	0.890	0.572	0.890
				Cronbach's alpha = 0.891

2.4.B. Gender Equality

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
2.4.15	Power distributed by gender	0.880	0.225	0.817
2.4.16	CSO women's participation	0.827	0.317	0.823
2.4.17	Female vs. male mean years of schooling	0.643	0.587	0.835
2.4.18	Lower chamber female legislators	0.646	0.583	0.834
2.4.19	Exclusion by gender index	0.916	0.161	0.815
2.4.20	Women's political rights	0.749	0.440	0.854
2.4.21	Women's economic rights	0.662	0.562	0.853
2.4.22	Political empowerment	0.693	0.519	0.842
2.4.23	Labour force participation rate (women - men)	0.542	0.706	0.839
2.4.24	Share of managerial positions held by women	0.477	0.773	0.849
2.4.25	Control of bank accounts (women - men)	0.513	0.736	0.845
				Cronbach's alpha = 0.850

Attribute 3: Rule of Law

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
3.1	Judicial Independence	0.875	0.234	0.939
3.2	Absence of Corruption	0.888	0.211	0.943
3.3	Predictable Enforcement	0.987	0.026	0.915
3.4	Personal Integrity and Security	0.888	0.212	0.939
				Cronbach's alpha = 0.950

3.1. Judicial Independence

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
3.1.1	High Court independence	0.921	0.153	0.888
3.1.2	Lower court independence	0.924	0.146	0.889
3.1.3	Compliance with High Court	0.915	0.163	0.889
3.1.4	Compliance with judiciary	0.934	0.128	0.887
3.1.5	Independent judiciary	0.787	0.380	0.923
3.1.6	F1 Rule of Law	0.943	0.112	0.914
3.1.7	Separation of power	0.903	0.184	0.906
3.1.8	Independent judiciary	0.922	0.150	0.907
				Cronbach's alpha = 0.914

3.2. Absence of Corruption

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
3.2.1	Public sector corrupt exchanges	0.956	0.086	0.896
3.2.2	Public sector theft	0.964	0.070	0.895
3.2.3	Executive embezzlement and theft	0.941	0.114	0.899
3.2.4	Executive bribery and corrupt exchanges	0.934	0.127	0.899
3.2.5	Corruption	0.768	0.410	0.917
3.2.6	C2 Functioning of Government	0.913	0.167	0.934
3.2.7	Prosecution of office abuse	0.858	0.265	0.932
				Cronbach's alpha = 0.924

3.3. Predictable Enforcement

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
3.3.1	Executive respects constitution	0.871	0.242	0.900
3.3.2	Transparent laws with predictable enforcement	0.928	0.140	0.899
3.3.3	Rigorous and impartial public administration	0.940	0.117	0.897
3.3.4	Criteria for appointment decisions in the state administration	0.826	0.318	0.903
3.3.5	Criteria for appointment decisions in the armed forces	0.794	0.370	0.902
3.3.6	Bureaucratic quality	0.788	0.379	0.903
3.3.7	Law and order	0.695	0.517	0.913
3.3.8	C3 Functioning of Government	0.885	0.216	0.918
3.3.9	Monopoly on the use of force	0.712	0.493	0.919
3.3.10	Basic administration	0.819	0.330	0.916
				Cronbach's alpha = 0.916

3.4. Personal integrity and security

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
3.4.1	Freedom from torture	0.943	0.111	0.782
3.4.2	Freedom from political killings	0.945	0.107	0.777
3.4.3	Political Terror Scale	0.783	0.386	0.839
3.4.4	Internal conflict	0.659	0.566	0.836
3.4.5	Physical integrity rights index	0.811	0.343	0.816
3.4.6	G4 Personal Autonomy and Individual Rights	0.899	0.193	0.844
3.4.7	F3 Rule of Law	0.960	0.078	0.833
				Cronbach's alpha = 0.844

Attribute 4: Participation

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
4.1	Civil Society	0.927	0.142	0.433
4.2	Civic Engagement	0.848	0.280	0.544
4.3	Electoral Participation	0.474	0.775	0.855
				Cronbach's alpha = 0.723

4.1. Civil Society

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
4.1.1	CSO participatory environment	0.884	0.219	0.749
4.1.2	Engaged society	0.898	0.194	0.732
4.1.3	CSO consultation	0.907	0.177	0.735
4.1.4	EPI-E-participation Index	0.695	0.518	0.855
4.1.5	Interest groups	0.869	0.244	0.811
4.1.6	Social capital	0.848	0.281	0.820
				Cronbach's alpha = 0.825

4.2. Civic Engagement

No.	Component	Loading	Uniqueness	Cronbach's alpha if item deleted
4.2.1	Engagement in independent non-political associations	0.781	0.389	0.718
4.2.2	Engagement in independent political associations	0.880	0.225	0.652
4.2.3	Engagement in independent trade unions	0.828	0.315	0.675
4.2.4	Civil society traditions	0.659	0.566	0.834
				Cronbach's alpha = 0.790

Annex F. Item-item correlations

The tables in this Annex present the pairwise bivariate correlation coefficients (Pearson's r) for each of the clusters of indicators that were subsequently aggregated into subcomponents, subattributes or attributes. While the cells above the diagonal list the coefficients, the cells below the diagonal contain the respective numbers of observations (country–years).

ATT	ATTRIBUTE 1. REPRESENTATION										
No.	Component	1.1	1.2	1.3	1.4	1.5	1.6				
1.1	Credible Elections	_	0.775	0.850	0.939	0.931	0.781				
1.2	Inclusive Suffrage	8002	_	0.575	0.772	0.772	0.489				
1.3	Free Political Parties	8003	8002	_	0.886	0.806	0.794				
1.4	Elected Government	8003	8002	8003	_	0.898	0.769				
1.5	Effective Parliament	8003	8002	8003	8003	_	0.735				
1.6	Local Democracy	7981	7980	7981	7981	7981	_				

1.1. Cr No.	edible Elections Component	1.1.1	1.1.2	1.1.3	1.1.4	1.1.5	1.1.6	1.1.7	1.1.8	1.1.9	1.1.10
1.1.1	EMB autonomy	_	0.800	0.801	0.894	0.927	0.826	0.940	0.929	0.915	0.932
1.1.2	EMB capacity	8003	_	0.814	0.782	0.797	0.638	0.841	0.819	0.828	0.815
1.1.3	Election other voting irregularities	7910	7910	_	0.835	0.858	0.672	0.881	0.869	0.881	0.833
1.1.4	Election government intimidation	7910	7910	7910	_	0.945	0.797	0.920	0.915	0.916	0.900
1.1.5	Election free and fair	7891	7891	7891	7891	_	0.821	0.932	0.923	0.920	0.915
1.1.6	Competition	8002	8002	7909	7909	7890	_	0.895	0.913	0.855	0.836
1.1.7	A3 Electoral process	2896	2896	2896	2896	2896	2896	_	0.947	0.936	0.937
1.1.8	B2 Political Pluralism and Participation	2896	2896	2896	2896	2896	2896	2896	_	0.930	0.923
1.1.9	B3 Political Pluralism and Participation	2896	2896	2896	2896	2896	2896	2896	2896	_	0.916
1.1.10	Free and fair elections	3233	3233	3232	3232	3232	3233	2424	2424	2424	_

1.3. Free Political Parties

No.	o. Component		1.3.2	1.3.3	1.3.4	1.3.5	1.3.6	1.3.7	1.3.8
1.3.1	Party ban	_	0.893	0.892	0.808	0.713	0.786	0.643	0.635
1.3.2	Barriers to parties	8003	_	0.883	0.824	0.759	0.770	0.786	0.695
1.3.3	Opposition parties' autonomy	7808	7808	_	0.783	0.757	0.742	0.822	0.725
1.3.4	Elections multiparty	7910	7910	7715	_	0.737	0.880	0.729	0.666
1.3.5	Competitiveness of participation	7417	7417	7252	7325	_	0.684	0.794	0.727
1.3.6	Multiparty elections	8002	8002	7807	7909	7416	_	0.606	0.568
1.3.7	B1 Political Pluralism and Participation	2076	2076	2047	2076	1944	2076	_	0.782
1.3.8	Party System	2459	2459	2413	2458	2359	2459	1587	_

1.4. Elected Government

No.	Component	1.4.1	1.4.2	1.4.3	1.4.4	1.4.5	1.4.6	1.4.7	1.4.8
1.4.1	Elected officials index	_	0.560	0.675	0.744	0.742	0.756	0.732	0.685
1.4.2	Competitiveness of executive recruitment	7589	_	0.612	0.781	0.918	0.911	0.899	0.886
1.4.3	Openness of executive recruitment	7589	7589	_	0.690	0.756	0.762	0.739	0.648
1.4.4	Electoral	8000	7586	7586	_	0.847	0.873	0.838	0.881
1.4.5	A1 Electoral Process	2896	2807	2807	2894	-	0.962	0.961	0.934
1.4.6	A2 Electoral Process	2896	2807	2807	2894	2896	_	0.956	0.947
1.4.7	C1 Functioning of Government	2896	2807	2807	2894	2896	2896	_	0.921
1.4.8	Lexical index of electoral democracy	8001	7588	7588	7999	2896	2896	2896	_

1.5. Effective Parliament

No.	Component	1.5.1	1.5.2	1.5.3	1.5.4	1.5.5
1.5.1	Legislature questions officials in practice	_	0.845	0.864	0.853	0.818
1.5.2	Executive oversight	8003	_	0.903	0.871	0.821
1.5.3	Legislature investigates in practice	8003	8003	_	0.895	0.847
1.5.4	Legislature opposition parties	8003	8003	8003	-	0.875
1.5.5	Executive constraints	7611	7611	7611	7611	_

No. Component		1.6.1	1.6.2
1.6.1	Local government index	_	0.636
1.6.2	Subnational elections free and fair	7334	_

ATTRI	ATTRIBUTE 2. RIGHTS										
No.	Component	2.1	2.2	2.3	2.4						
2.1	Access to Justice	_	0.843	0.671	0.853						
2.2	Civil Liberties	8003	_	0.547	0.771						
2.3	Basic Welfare	8003	8003	_	0.734						
2.4	Political Equality	8003	8003	8003	_						

2.1. Ac	Component	ice 2.1.1	2.1.2	2.1.3	2.1.4	2.1.5	2.1.6	2.1.7
2.1.1	Access to justice for men	-	0.954	0.666	0.611	0.835	0.816	0.789
2.1.2	Access to justice for women	8003	_	0.649	0.608	0.834	0.811	0.786
2.1.3	Judicial corruption decision	7973	7973	_	0.643	0.710	0.733	0.573
2.1.4	Judicial accountability	8003	8003	7973	_	0.602	0.575	0.354
2.1.5	Fair trial	7965	7965	7935	7965	_	0.861	0.789
2.1.6	F2 Rule of Law	2076	2076	2076	2076	2076		0.825
2.1.7	Civil rights	2459	2459	2459	2459	2459	1587	_

	Liberties Component	2.2.A	2.2.B	2.2.C	2.2.D	2.2.E
2.2.A	Freedom of Expression	_	0.925	0.938	0.776	0.864
2.2.B	Freedom of the Press	8003	-	0.937	0.767	0.828
2.2.C	Freedom of Association and Assembly	8003	8003	-	0.815	0.880
2.2.D	Freedom of Religion	8003	8003	8003	-	0.800
2.2.E	Freedom of Movement	8003	8003	8003	8003	_

2.2.A. Freedom of Expression

No.	Component	2.2.1	2.2.2	2.2.3	2.2.4	2.2.5	2.2.6	2.2.7	2.2.8	2.2.9	2.2.10	2.2.11
2.2.1	Freedom of discussion for women	_	0.959	0.891	0.798	0.637	0.769	0.831	0.827	0.831	0.823	0.817
2.2.2	Freedom of discussion for men	8003	_	0.896	0.809	0.646	0.751	0.832	0.821	0.833	0.828	0.824
2.2.3	Freedom of academic and cultural expression	8003	8003	_	0.797	0.662	0.748	0.853	0.835	0.848	0.801	0.823
2.2.4	Freedom of opinion and expression	7965	7965	7965	_	0.716	0.751	0.831	0.816	0.805	0.780	0.801
2.2.5	Freedom of speech and press	6725	6725	6725	6725	_	0.666	0.746	0.727	0.675	0.669	0.697
2.2.6	A. Obstacles to access	809	809	809	809	806	_	0.754	0.751	0.730	0.711	0.614
2.2.7	B. Limits on content	809	809	809	809	806	809	_	0.907	0.863	0.818	0.826
2.2.8	C. Violations of user rights	809	809	809	809	806	809	809	_	0.851	0.800	0.822
2.2.9	D3 Freedom of Expression and Belief	2076	2076	2076	2076	2057	772	772	772	_	0.883	0.844
2.2.10	D4 Freedom of Expression and Belief	2076	2076	2076	2076	2057	772	772	772	2076	_	0.830
2.2.11	Freedom of expression	2459	2459	2459	2459	2444	696	696	696	1587	1587	_

2.2.B. Freedom of the Press

No.	Component	2.2.12	2.2.13	2.2.14	2.2.15	2.2.16	2.2.17	2.2.18	2.2.19	2.2.20
2.2.12	Print/broadcast censorship effort	_	0.889	0.885	0.891	0.864	0.889	0.842	0.797	0.849
2.2.13	Harassment of journalists	8003	_	0.861	0.863	0.856	0.864	0.850	0.798	0.863
2.2.14	Media self-censorship	8003	8003	_	0.879	0.852	0.865	0.819	0.743	0.794
2.2.15	Critical print/broadcast media	8003	8003	8003	_	0.880	0.893	0.835	0.762	0.790
2.2.16	Print/broadcast media perspectives	8003	8003	8003	8003	_	0.896	0.810	0.731	0.777
2.2.17	Media bias	8003	8003	8003	8003	8003	_	0.842	0.761	0.777
2.2.18	Media corrupt	8003	8003	8003	8003	8003	8003	_	0.763	0.818
2.2.19	Media freedom INVERTED	7618	7618	7618	7618	7618	7618	7618	_	0.892
2.2.20	D1 Freedom of Expression and Belief	2076	2076	2076	2076	2076	2076	2076	1980	_

2.2.C. Freedom of Association and Assembly

No.	Component	2.2.21	2.2.22	2.2.23	2.2.24	2.2.25	2.2.26	2.2.27	2.2.28	2.2.29	2.2.30	2.2.31
2.2.21	CSO entry and exit	_	0.890	0.847	0.828	0.711	0.550	0.506	0.788	0.824	0.720	0.802
2.2.22	CSO repression	8003	_	0.885	0.816	0.699	0.600	0.565	0.837	0.862	0.771	0.833
2.2.23	Freedom of peaceful assembly	7976	7976	_	0.824	0.727	0.589	0.557	0.873	0.841	0.794	0.831
2.2.24	Freedom of association and assembly	7965	7965	7938	-	0.805	0.594	0.552	0.841	0.849	0.769	0.800
2.2.25	Freedom of assembly and association	6715	6715	6700	6715	_	0.544	0.494	0.730	0.728	0.655	0.654
2.2.26	Union practices	5092	5092	5088	5092	4946	-	0.741	0.592	0.599	0.626	0.505
2.2.27	Collective bargaining practices	5083	5083	5079	5083	4937	5083	_	0.554	0.551	0.588	0.449
2.2.28	E1 Associational and Organizational Rights	2076	2076	2072	2076	2052	2061	2052	_	0.905	0.839	0.860
2.2.29	E2 Associational and Organizational Rights	2076	2076	2072	2076	2052	2061	2052	2076	_	0.853	0.876
2.2.30	E3 Associational and Organizational Rights	2076	2076	2072	2076	2052	2061	2052	2076	2076	-	0.787
2.2.31	Association/assembly rights	2459	2459	2456	2459	2439	2452	2447	1587	1587	1587	_

2.2.D. Freedom of Religion

No.	Component	2.2.32	2.2.33	2.2.34	2.2.35	2.2.36
2.2.32	Freedom of religion	_	0.769	0.719	0.602	0.787
2.2.33	Religious organization repression	8003	_	0.681	0.574	0.724
2.2.34	Freedom of thought, conscience and religion	7965	7965	-	0.724	0.774
2.2.35	Freedom of religion	6945	6945	6943	_	0.680
2.2.36	D2 Freedom of Expression and Belief	2076	2076	2076	2059	_

2.2.E. Freedom of Movement

No. C	Component	2.2.41	2.2.42	2.2.43	2.2.44	2.2.45	2.2.46	2.2.47
2.2.41	Freedom of foreign movement	_	0.706	0.755	0.671	0.561	0.447	0.691
2.2.42	Freedom of domestic movement for women	8003	_	0.722	0.578	0.529	0.422	0.681
2.2.43	Freedom of domestic movement for men	8003	8003	-	0.586	0.447	0.424	0.544
2.2.44	Freedom of movement and residence	7965	7965	7965	-	0.628	0.623	0.701
2.2.45	Freedom of foreign movement	6947	6947	6947	6945	_	0.538	0.592
2.2.46	Freedom of domestic movement	6945	6945	6945	6943	6942	_	0.573
2.2.47	G1 Personal Autonomy and Individual Rights	2076	2076	2076	2076	2055	2055	_

2.3. Basic Welfare

No.	Component	2.3.1	2.3.2	2.3.3	2.3.4	2.3.5	2.3.6	2.3.7	2.3.9	2.3.9
2.3.1	Infant mortality rate	_	0.953	0.802	0.786	0.867	0.719	0.760	0.749	0.845
2.3.2	Life expectancy	7863	_	0.792	0.721	0.812	0.680	0.736	0.854	0.867
2.3.3	Kilocalories per person per day	7207	7258	_	0.570	0.736	0.617	0.672	0.648	0.723
2.3.4	Literacy	5140	5146	4789	_	0.840	0.627	0.632	0.440	0.668
2.3.5	Average years of schooling	7849	7920	7307	5146	_	0.691	0.687	0.565	0.695
2.3.6	Educational equality	7865	7936	7307	5146	7971	_	0.904	0.466	0.592
2.3.7	Health equality	7865	7936	7307	5146	7971	8003	_	0.564	0.674
2.3.8	Healthy life expectancy at 60 - Male	4045	4045	3828	3408	4045	4045	4045	_	0.896
2.3.9	Healthy life expectancy at 60 - Female	4045	4045	3828	3408	4045	4045	4045	4045	_

2.4. Political Equality

No.	Component	2.4.A	2.4.B	2.4.C
2.4.A	Social Group Equality	_	0.887	0.821
2.4.B	Economic Equality	8003	_	0.776
2.4.C	Gender Equality	8003	8003	_

2.4.A. Social Group Equality

No.	Component	2.4.1	2.4.2	2.4.3	2.4.4	2.4.5	2.4.6	2.4.7	2.4.8
2.4.1	Social group equality in respect for civil liberties	_	0.730	0.561	0.625	0.784	0.658	0.684	0.471
2.4.2	Power distributed by social group	8003	_	0.589	0.678	0.811	0.715	0.701	0.395
2.4.3	Power distributed by sexual orientation	8003	8003	_	0.611	0.677	0.677	0.698	0.535
2.4.4	Exclusion by political group index	7963	7963	7963	_	0.842	0.695	0.746	0.625
2.4.5	Exclusion by social group index	7968	7968	7968	7963	_	0.723	0.781	0.692
2.4.6	Political Pluralism and Participation (B4)	2076	2076	2076	2072	2072	_	0.846	0.591
2.4.7	Rule of Law (F4)	2076	2076	2076	2072	2072	2076	_	0.665
2.4.8	Equal opportunity	2459	2459	2459	2457	2457	1587	1587	_

No.	Component	2.4.9	2.4.10	2.4.11	2.4.12	2.4.13	2.4.14
2.4.9	Social class equality in respect for civil liberties	_	0.670	0.820	0.726	0.436	0.551
2.4.10	Power distributed by socio-economic position	8003	_	0.685	0.542	0.295	0.415
2.4.11	Exclusion by socio-economic group	7983	7983	_	0.910	0.691	0.603
2.4.12	Exclusion by urban-rural location index	7968	7968	7968	_	0.776	0.581
2.4.13	Socio-economic barriers	2459	2459	2457	2457	_	0.425
2.4.14	Gini coefficient	6145	6145	6141	6141	2379	_

2.4.C.	Gender Equality
No.	Component

No.	Component	2.4.15	2.4.16	2.4.17	2.4.18	2.4.19	2.4.20	2.4.21	2.4.22	2.4.23	2.4.24	2.4.25
2.4.15	Power distributed by gender	-	0.720	0.490	0.511	0.790	0.515	0.481	0.555	0.459	0.318	0.394
2.4.16	CSO women's participation	8003	_	0.546	0.427	0.748	0.454	0.443	0.424	0.435	0.403	0.295
2.4.17	Female vs. male mean years of schooling	7971	7971	_	0.410	0.663	0.326	0.372	0.176	0.198	0.355	0.449
2.4.18	Lower chamber female legislators	7329	7329	7303	_	0.468	0.698	0.272	0.775	0.413	0.261	0.212
2.4.19	Exclusion by gender index	7983	7983	7967	7310	_	0.487	0.556	0.407	0.419	0.382	0.485
2.4.20	Women's political rights	6709	6709	6694	6330	6705	-	0.330	0.639	0.372	0.191	0.172
2.4.21	Women's economic rights	6659	6659	6644	6285	6655	6641	-	0.429	0.202	0.191	0.389
2.4.22	Political empowerment	2070	2070	2070	2042	2067	2063	2066	_	0.292	0.200	0.229
2.4.23	Labour force participation rate (women - men)	5909	5909	5894	5557	5908	5457	5427	1849	_	0.428	0.468
2.4.24	Share of managerial positions held by women	2822	2822	2810	2766	2821	2790	2791	1677	2813	_	0.289
2.4.25	Control of bank accounts (women - men)	1816	1816	1803	1777	1813	1801	1802	1365	1585	1429	_

ATTRIBUTE 3. RULE OF LAW										
	No.	Component	3.1	3.2	3.3	3.4				
	3.1	Judicial Independence	_	0.777	0.860	0.809				
	3.2	Absence of Corruption	8003	_	0.879	0.761				
	3.3	Predictable Enforcement	8003	8003	_	0.876				

8003

8003

8003

3.1. Judicial Independence

Personal Integrity and Security

3.4

No.	Component	3.1.1	3.1.2	3.1.3	3.1.4	3.1.5	3.1.6	3.1.7	3.1.8
3.1.1	High Court independence	_	0.907	0.783	0.807	0.635	0.803	0.721	0.733
3.1.2	Lower court independence	7976	_	0.790	0.805	0.653	0.808	0.719	0.745
3.1.3	Compliance with High Court	7973	7973	_	0.894	0.652	0.823	0.747	0.757
3.1.4	Compliance with judiciary	7973	7973	7973	_	0.674	0.835	0.741	0.775
3.1.5	Independent judiciary	6899	6920	6896	6896	_	0.764	0.544	0.638
3.1.6	F1 Rule of Law	2076	2076	2076	2076	2037	_	0.813	0.857
3.1.7	Separation of power	2459	2459	2459	2459	2428	1587	_	0.896
3.1.8	Independent judiciary	2459	2459	2459	2459	2428	1587	2459	_

3.2. Absence of Corruption

No.	Component	3.2.1	3.2.2	3.2.3	3.2.4	3.2.5	3.2.6	3.2.7
3.2.1	Public sector corrupt exchanges	_	0.912	0.856	0.857	0.681	0.814	0.725
3.2.2	Public sector theft	8003	_	0.872	0.844	0.688	0.813	0.708
3.2.3	Executive embezzlement and theft	8003	8003	-	0.875	0.656	0.781	0.669
3.2.4	Executive bribery and corrupt exchanges	8003	8003	8003	-	0.676	0.790	0.670
3.2.5	Corruption	5280	5280	5280	5280	-	0.807	0.652
3.2.6	C2 Functioning of Government	2076	2076	2076	2076	1647	_	0.799
3.2.7	Prosecution of office abuse	2459	2459	2459	2459	2008	1587	-

3.3. Predictable Enforcement

No.	Component	3.3.1	3.3.2	3.3.3	3.3.4	3.3.5	3.3.6	3.3.7	3.3.8	3.3.9	3.3.10
3.3.1	Executive respects constitution	_	0.794	0.789	0.665	0.702	0.653	0.525	0.756	0.347	0.528
3.3.2	Transparent laws with predictable enforcement	8003	_	0.861	0.685	0.668	0.631	0.509	0.778	0.392	0.495
3.3.3	Rigorous and impartial public administration	8003	8003	_	0.666	0.667	0.665	0.590	0.760	0.484	0.607
3.3.4	Criteria for appointment decisions in the state administration	7759	7759	7759	_	0.779	0.654	0.472	0.709	0.390	0.548
3.3.5	Criteria for appointment decisions in the armed forces	7747	7747	7747	7743	_	0.620	0.464	0.740	0.378	0.585
3.3.6	Bureaucratic quality	5280	5280	5280	5116	5114	_	0.666	0.599	0.521	0.676
3.3.7	Law and order	5280	5280	5280	5116	5114	5280	_	0.432	0.555	0.547
3.3.8	C3 Functioning of Government	2076	2076	2076	2076	2076	1647	1647	_	0.356	0.512
3.3.9	Monopoly on the use of force	2459	2459	2459	2459	2459	2008	2008	1587	_	0.774
3.3.10	Basic administration	2459	2459	2459	2459	2459	2008	2008	1587	2459	_

3.4. Personal Integrity and Security

No.	Component	3.4.1	3.4.2	3.4.3	3.4.4	3.4.5	3.4.6	3.4.7
3.4.1	Freedom from torture	_	0.899	0.635	0.546	0.689	0.794	0.857
3.4.2	Freedom from political killings	8003	-	0.665	0.590	0.702	0.742	0.834
3.4.3	Political Terror Scale	7705	7705	_	0.611	0.841	0.670	0.798
3.4.4	Internal conflict	5280	5280	5244	_	0.579	0.605	0.658
3.4.5	Physical integrity rights index	6698	6698	6679	5131	_	0.630	0.779
3.4.6	G4 Personal Autonomy and Individual Rights	2076	2076	2076	1647	2061	_	0.815
3.4.7	F3 Rule of Law	2076	2076	2076	1647	2061	2076	

ATTRIBUTE 4. PARTICIPATION									
No.	Component	4.1	4.2	4.3					
4.1	Civil Society	_	0.765	0.457					
4.2	Civic Engagement	7954	-	0.386					
4.3	Electoral Participation	7164	7115	_					

4.1. Civil Society

No.	Component	4.1.1	4.1.2	4.1.3	4.1.4	4.1.5	4.1.6
4.1.1	CSO participatory environment	_	0.755	0.793	0.213	0.573	0.527
4.1.2	Engaged society	8003	_	0.817	0.326	0.664	0.625
4.1.3	CSO consultation	8003	8003	_	0.276	0.587	0.567
4.1.4	EPI-E-participation Index	3559	3559	3559	_	0.314	0.308
4.1.5	Interest groups	2459	2459	2459	2425	-	0.842
4.1.6	Social capital	2459	2459	2459	2425	2459	_

4.2. Civic Engagement

No.	Component	4.2.1	4.2.2	4.2.3	4.2.4
4.2.1	Engagement in independent non-political associations	_	0.624	0.585	0.258
4.2.2	Engagement in independent political associations	7939	-	0.668	0.494
4.2.3	Engagement in independent trade unions	7936	7936	_	0.446
4.2.4	Civil society traditions	2456	2456	2456	_

Annex G. Comparisons with extant measures

Version 4 of the Technical Procedures Guide (Tufis 2020) contains extensive tables that show the relationships between aspects of the GSoD Indices and data sets from other sources. We have not updated those tables for Version 8.

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The Global State of Democracy is a report that aims to provide policymakers with an evidence-based analysis of the state of global democracy, supported by the Global State of Democracy (GSoD) Indices, in order to inform policy interventions and identify problem-solving approaches to trends affecting the quality of democracy around the world.

This document describes the procedures used to construct Version 8 of the GSoD Indices, which depicts democratic trends at the country, regional and global levels across a broad range of different attributes of democracy in the period 1975–2023.

The data underlying the GSoD Indices is based on a total of 165 indicators developed by various scholars and organizations using different approaches, including expert surveys, standards-based coding by research groups and analysts, observational data and composite measures.

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