Replication Package for: Globalization, Government Popularity, and the Great Skill Divide

September 15, 2023

Data Availability and Provenance Statements

Statement about rights

The authors of the manuscript have legitimate access to and permission to use the data in this manuscript.

Summary of availability

The paper uses data from the Gallup World Poll 2005-2018, which is accessible only to subscribers. To obtain the data, fill out the form at the end of the this page. You will receive an email from the Gallup team to discuss the subscription options and pricing. The data used in this study is the individual level Gallup World Poll from 2005 to 2018. The data is provided for replication purposes only and will not be posted online.

Data file: `4-confidential-data-not-for-publication/raw/Gallup_raw.dta`

The product-level trade data on exports and imports of goods and services was obtained through a special license from UN COMTRADE. The raw and dissagregated data cannot be distributed. An aggregated version at the country-year level is provided as part of the archive.

Data file: `3-replication-package/1-data/2002_2018_Exports_withIV.dta`

Data file: `3-replication-package/1-data/2002_2018_Imports_withIV.dta`

The paper uses data from the European Social Surveys (ESS) (European Social Survey Cumulative File, 2020) spanning 2002 to 2018 (rounds 1 to 9). Some country files are provided separately. The data is publicly available in this link, and a version is provided as part of this archive. If you wish to download the data, click on `Data Wizard` in the top menu, and under `All` tick every box for rounds 1 to 9. Click on `Download` and you will be asked to login to download the data. Then click on `Data Portal`, under `ESS data by round/year`, click on `ESS round 2 - 2004. Health and care, Economic morality, Family work and wellbeing`. Under `Data files`, download `ESS2 - Italy country file from main questionnaire`. Click on `Data Portal` again, and repeat the same process the following country-rounds: round 4, Austria and Lithuania; round 5, Austria.

Data file: `3-replication-package/1-data/raw/ESS_raw.dta`

Data file: `3-replication-package/1-data/raw/ESS2IT.dta`

Data file: `3-replication-package/1-data/raw/ESS4LT.dta`

Data file: `3-replication-package/1-data/raw/ESS4AT.dta`

Data file: `3-replication-package/1-data/raw/ESS5ATe1_1.dta`

The paper uses data from the World Values Survey (Inglehart _et al_, 2014) spanning 1981 to 2014 (waves 1 to 6). The data is publicly available in this link, and a version is provided as part of this archive. If you wish to download the data, under `Old versions of Data Files`, choose `WVS Longitudinal 1981-2016 stata v20180912`, fill out the registration form, including a brief description of the project, and agree to the conditions of use.

Data file: `3-replication-package/1-data/raw/WVS_raw.dta`

Gross Domestic Product Per Capita data was obtained from the World Developments Indicators from the World Bank (World Bank, 2023). The data is publicly available in this link, and a version is provided as part of this archive. If you wish to download it, under `Database` select `World Development Indicators`; under `Country`, first select `Countries` in the top right and then click on the `Select all` option (left of the search bar, first item); under `Series`, select `GDP per capita (current US$)` (the data was downloaded on September 13, 2023); finally, under `Time`, select the years ranging from 2005 to 2018.

Data file: `3-replication-package/1-data/raw/WDI_GDPPC_raw.xlsx`

Democracies were defined based on Polity data. The data is publicly available in this link, and a version is provided as part of this archive. If you wish to download it, go to the `Polity5: Regime Authority Characteristics and Transitions Datasets` section and download the Excel file corresponding to `Polity5 Annual Time-Series: 1946-2018`.

Data file: `3-replication-package/1-data/raw/Polity_raw.xls`

Dataset list

Data file	Source	Notes	Provided
`Gallup_raw`	GWP	Confidential	**For replication purposes only**
`Gallup_cleaned`	`0-clean-gallup.do`	Cleaned GWP	**For replication purposes only**
`Gallup_pre2009_income`	Gallup team	Confidential	**For replication purposes only**
`income_pre2009`	`0-clean-gallup-income.do`	Cleaned Gallup pre 2009 income	**For replication purposes only**
`2002_2018_Exports_withIV`	`0-clean-trade.do`	Aggregated COMTRADE exports data at the country-year level with IV	Yes
`2002_2018_Imports_withIV`	`0-clean-trade.do`	Aggregated COMTRADE imports data at the country-year level with IV	Yes
`ESS_raw`	ESS	Rounds 1-9 for every country. Downloaded September 13, 2023	Yes
`ESS2IT`	ESS	ESS round 2 Italy file. Downloaded September 13, 2023	Yes
`ESS4LT`	ESS	ESS round 4 Lithuania file. Downloaded September 13, 2023	Yes
`ESS4AT`	ESS	ESS round 4 Austria file. Downloaded September 13, 2023	Yes
`ESS5ATe1_1`	ESS	ESS round 5 Austria file. Downloaded September 13, 2023	Yes

Data file	Source	Notes	Provided
`ESS_cleaned`	`0-clean-ess.do`	Cleaned and merged ESS data	Yes
`Polity_raw`	Polity5 Project	Polity5 Annual Time-Series, 1946-2018. Downloaded September 13, 2023	Yes
`Polity_cleaned`	`0-clean-polity.do`	Cleaned Polity5 data	Yes
`WVS_raw`	WVS	Rounds 1-6. Downloaded September 6, 2023.	Yes
`WVS_cleaned`	`0-clean-wvs.do`	Cleaned WVS data	Yes
`WDI_GDPPC_raw`	World Development Indicators, World Bank	2005-2018. Downloaded September 13, 2023.	Yes
`GDPPC_cleaned`	`0-clean-gdppc.do`	Cleaned GDP per capita data	Yes

Computational requirements

Software Requirements

Stata (code was last run with version 17.0)

- `gtools` (version 1.10.1)
- `gcollapse` (version 1.3.1)
- `ivreg2` (version 4.1.11)
- `ftools` (version 2.49.1)
- `reghdfe` (version 6.12.3)
- `ivreghdfe` (version 1.1.3)
- `estout` (version 3.31)
- `coefplot` (version 1.8.6)
- `pwcorr` (version 3.1.2)
- `esttab` (version 2.1.1)
- `frmttable` (version 1.24)
- the program "`0_setup.do`" will install all dependencies locally (or update them if already installed). For ivreghdfe, it will force installation through the github repository to get the latest version. There is no need to run this file separately. It will automatically be run by `2-code/1-main.do`.

Memory and Runtime Requirements

The code was last run on a laptop with the following specifications:

- Processor: Intel(R) Core(TM) i7-8665U CPU @ 1.90GHz, 2112 Mhz, 4 Core(s), 8 Logical Processor(s)
- Installed RAM: 32 GB
- System type: 64-bit operating system, x64-based processor

Approximate time needed to run "`2-code/1-main.do`": 1.5 - 2 hours.

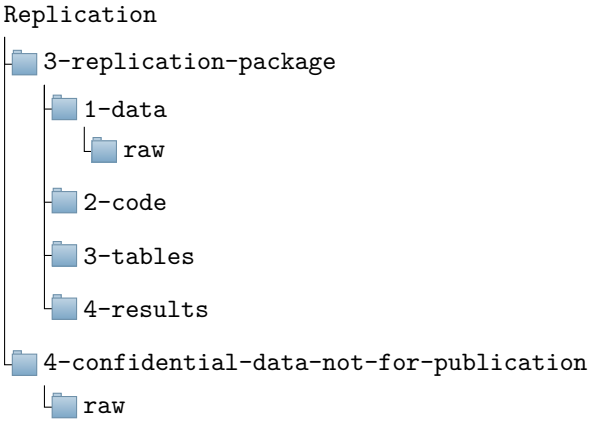
Description of programs

All programs are stored in `3-replication-package/2-code`.

- `2-code/1-main.do` will run the setup and cleaning code, and then produce every table and figure in the manuscript.
- `2-code/0-setup.do` will install all dependencies locally (or update them if already installed). For ivreghdfe, it will force installation through the github repository to get the latest version. There is no need to run this file separately. It will automatically be run by `2-code/1-main.do`.
- `2-code/0-clean.do` will run all cleaning files. There is no need to run this file separately. It will automatically be run by `2-code/1-main.do`.
- `2-code/0-clean-trade.do` cleans the UN COMTRADE data to create the `2002_2018_Exports_withIV` and `2002_2018_Imports_withIV` files. There is no need to run this file separately. It will automatically be run by `2-code/1-main.do`.
- `2-code/0-clean-ess.do` cleans the `ESS_raw`, `ESS2IT`, `ESS4LT`, `ESS4AT`, and `ESS5ATe1_1` files and creates the `ESS_cleaned` file. There is no need to run this file separately. It will automatically be run by `2-code/1-main.do`.
- `2-code/0-clean-wvss.do` cleans the `WVS_raw` file and creates the `WVS_cleaned` file. There is no need to run this file separately. It will automatically be run by `2-code/1-main.do`.
- `2-code/0-clean-polity.do` cleans the `Polity_raw` file and creates the `Polity_cleaned` file. There is no need to run this file separately. It will automatically be run by `2-code/1-main.do`.
- `2-code/0-clean-gdppc.do` cleans the `WDI_GDPPC_raw` file and creates the `GDPPC_cleaned` file. There is no need to run this file separately. It will automatically be run by `2-code/1-main.do`.
- `2-code/0-clean-gallup_income.do` cleans the `Gallup_pre2009_income` file and creates the `income_pre2009` file. There is no need to run this file separately. It will automatically be run by `2-code/1-main.do`.
- `2-code/0-clean-gallup.do` cleans the `Gallup_raw` file and creates the `Gallup_cleaned` file. There is no need to run this file separately. It will automatically be run by `2-code/1-main.do`.

Instructions to Replicators

- Ensure the directory follows this structure:



  The programs use relative paths, meaning that if this structure or the file names for the second or lower level folders are changed, the code will likely return an error. As long as the structure is maintained, there will be no need to update working directories.
- Run `2-code/1-main.do`.

List of tables and programs

Figure/Table #	Program	Line	Output files	Note
Figure 1	`1-main.do`	86	Figure1_panela.png Figure1_panelb.png	Requires confidential data
Figure 2	`1-main.do`	144	Figure2_panela.png Figure2_panelb.png Figure2_panelc.png Figure2_paneld.png	
Table 1	`1-main.do`	129	Table1.rtf	Requires confidential data
Table 2	`1-main.do`	172	Table2.rtf	Requires confidential data
Table 3	`1-main.do`	214	Table3.rtf	Requires confidential data
Table 4	`1-main.do`	265	Table4.rtf	Requires confidential data

Figure/Table #	Program	Line	Output files	Note
Table 5	`1-main.do`	1094	Table5.rtf	
Table 6	`1-main.do`	295	Table6.rtf	Requires confidential data
Appendix Figure 1	.xlsx file	**.xlsx file**	Appendix Figure 1	Source: Drewry, Murray (2016) and International Aviation Organization Database.
Appendix Figure 2	`1-main.do`	330	AppendixFigure2.png	
Appendix Figure 3	`1-main.do`	387	AppendixFigure3.png	
Appendix Table 1	`1-main.do`	394	AppendixTable1.rtf	Requires confidential data
Appendix Table 2	`1-main.do`	424	AppendixTable2.rtf	Requires confidential data
Appendix Table 3	`1-main.do`	454	Appendix Table 3	Requires confidential data
Appendix Table 4	`1-main.do`	497	AppendixTable4.rtf	Requires confidential data
Appendix Table 5	`1-main.do`	534	AppendixTable5.rtf	Requires confidential data
Appendix Table 6	`1-main.do`	574	AppendixTable6.rtf	Requires confidential data
Appendix Table 7	`1-main.do`	612	AppendixTable7.rtf	Requires confidential data
Appendix Table 8	`1-main.do`	660	AppendixTable8.rtf	Requires confidential data
Appendix Table 9	`1-main.do`	720	AppendixTable9.rtf	Requires confidential data

Figure/Table #	Program	Line	Output files	Note
Appendix Table 10	`1-main.do`	812	AppendixTable10.rtf	Requires confidential data
Appendix Table 11	`1-main.do`	8861	AppendixTable11.rtf	Requires confidential data
Appendix Table 12	`1-main.do`	905	AppendixTable12.rtf	Requires confidential data
Appendix Table 13	External source	-	AppendixTable13.rtf	Source: Extended Balance of Payments Services (EBOPS)
Appendix Table 14	External source	-	AppendixTable14.rtf	Source: Manual on Statistics of International Trade in Servicesstrut
Appendix Table 15	`1-main.do`	1139	AppendixTable15.rtf	Requires confidential data

References

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Inglehart, R., C. Haerpfer, A. Moreno, C. Welzel, K. Kizilova, J. Diez-Medrano, M. Lagos, P. Norris, E. Ponarin B. Puranen (eds.). 2022. World Values Survey: Rounds 1 to 6 [Datafile]. Madrid, Spain Vienna, Austria: JD Systems Institute WVSA Secretariat. Dataset Version 3.0.0. doi:10.14281/18241.17

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World Bank, World Development Indicators (2023). *GDP per capita (current US$)* [Data file]. https://data.worldbank.org/indicator/NY.GDP.PCAP.CD.

Polity5 Project (2020). *Political Regime Characteristics and Transitions, 1800-2018* [Data file]. Center for Systemic Peace, https://www.systemicpeace.org/inscrdata.html.