**Replication package for “Liberty, Security, and Accountability: The Rise and Fall of Illiberal Democracies”, by Gabriele Gratton and Barton E. Lee**

Overview.

This replication package contains data and code to generate the graphs in Figure 4 and Table 1 presented in the paper “Liberty, Security, and Accountability” by Gabriele Gratton and Barton E. Lee. The *png* files for the graphs and a *tex* (and *png*) file for the table are also included.

Data availability statements.

The empirical analysis in the article produces graphs and tables using the following sources of data (all datafiles are available inside the replication package file):

1. **File “WV6\_Data\_Stata\_v20180912.dta**”  
   This is data from wave 6 of the World Values Survey, **Inglehart, R., C. Haerpfer, A. Moreno, C. Welzel, K. Kizilova, J. Diez-Medrano, M. Lagos, P. Norris, E. Ponarin, B. Puranen et al., ed.**, 2014. World Values Survey: Round Six Country-Pooled Datafile 2010-2014.   
   Version: http://www.worldvaluessurvey.org/WVSDocumentationWV6.jsp., Madrid: JD Systems Institute.  
   The data can be downloaded from <https://www.worldvaluessurvey.org/WVSDocumentationWV6.jsp>.

The data used in the article is listed under the header “**World Values Survey 2010-2014 – Old Releases**” and is labelled as “**WV6 Data Stata v20180912**”. The data can be downloaded by clicking “**WV6 Data Stata v20180912**” and completing the required form, which asks for

* + personal data (title, name, institutions, e-mail)
  + information about file usage (project title, intended use, brief description of the purpose of application)
  + agreement to the conditions of use.

1. **File “V-Dem-CY-Core-v10.dta”**This is data from the VDEM project, **Coppedge, Michael, John Gerring, Carl Henrik Knutsen, Staffan I. Lindberg, Jan Teorell, David Altman, Michael Bernhard, M. Steven Fish, Adam Glynn, Allen Hicken, Anna Luhrmann, Kyle L. Marquardt, Kelly McMann, Pamela Paxton, Daniel Pemstein, Brigitte Seim, Rachel Sigman, Svend-Erik Skaaning, Jeffrey Staton, Steven Wilson, Agnes Cornell, Nazifa Alizada, Lisa Gastaldi, Haakon Gjerløw, Garry Hindle, Nina Ilchenko, Laura Maxwell, Valeriya Mechkova, Juraj Medzihorsky, Johannes von Römer, Aksel Sundström, Eitan Tzelgov, Yi-ting Wang, Tore Wig, and Daniel Ziblatt**, V-Dem [Country–Year/Country–Date] Dataset v10. Varieties of Democracy (V-Dem) Project. [https://doi.org/10.23696/vdemds20. 2020](https://doi.org/10.23696/vdemds20.%202020).  
   The data can be downloaded from the V-Dem’s Dataset Archive webpage:   
   <https://www.v-dem.net/dsarchive.html>.  
   The data used in the article is listed under the header **“V-Dem Dataset Version 10”** and is labelled as **“Country-Year: V-Dem Core”**. The data can be downloaded by clicking the “**STATA**” link in the **“Country-Year: V-Dem Core”** row; the dataset will then begin downloading immediately.
2. **File “p5v2018.xls”**This is data from the Polity 5 v.2018, **Marshall, Monty G. and Ted Robert Gurr**, Polity5: Political Regime Characteristics and Transitions, 1800–2018, Polity5 Project, Center for Systemic Peace, 2020.  
   The data can be downloaded from   
   <http://www.systemicpeace.org/inscrdata.html>  
   The data used in the article is listed under the header “**Polity5: Regime Authority Characteristics and Transitions Datasets”** and is labelled as “**Polity5 Annual Time-Series, 1946-2018**”.The data can be downloaded by clicking the “**Excel Series**”link in the “**Polity5 Annual Time-Series, 1946-2018**” row; the dataset will then begin downloading immediately.
3. File “**concordance.dta**”  
   This is a dataset that allows for concordance of the country IDs from the 3 datasets mentioned above: **WV6\_Data\_Stata\_v20180912.dta**; **V-Dem-CY-Core-v10.dta**;and **p5v2018.xls**. It was manually created by the authors.

Directory structure.

The folder “**Replication\_files\_Gratton\_Lee**” contains 4 data files (see descriptions in Data availability statements):

* “**WV6\_Data\_Stata\_v20180912.dta**”
* “**V-Dem-CY-Core-v10.dta**”
* “**p5v2018.xls**”
* “**code-concordance.dta**”

1 do. file:

* “**full-do-replication.do**”

1 word document for documentation and instructions:

* “**README.docx**”

In addition, there are 3 folders containing files that are the final products of running the “**full-do-replication.do**” file (which uses the data files mentioned above)

* “**graphs of Figure 4**” (contains .png files of the graphs used in the article)
* “**numbers for Table 1**” (contains .png file and .tex file for the table used in the article)
* “**master\_dataset\_just\_in\_case**”(contains the combined dataset used in the analysis; see Code below)

Code.

The .do file **“full-do-replication.do”** contains instruction and code for the whole procedure to clean and manipulate the 3 datasets to produce the file “**master-dataset.dta**” (which is also available within the replication package folder–the file path is **Replication\_files\_Gratton\_Lee\_21-Oct-2022/master\_dataset\_just\_in\_case/ master-dataset.dta**). It then includes the whole code to use this compiled dataset to produce the graphs of Figure 4, the values in Table 1, and an additional correlation p-value as mentioned in Section 9. The final products of running the **“full-do-replication.do”** are also contained in the folders “**graphs of Figure 4”** and **“numbers for Table 1”**.  
  
**ADDITIONAL INSTRUCTIONS:** The user will need to alter the file path at the top of the “**full-do-replication.do**” file.

Hardware.

The precise numbers in the manuscript were obtained by running “**full-do-replication.do**” on Stata/IC 15.1 on a Mac BookPro 2018 laptop. The code in “**full-do-replication.do**” has been run for verification on an iMac (24-inch, M1, 16GB memory, 2021) desktop computer with STATA/SE 17.0.  
  
Runtime.

Using an iMac (24-inch, M1, 16GB memory, 2021) desktop computer with STATA/SE 17.0, the code in “**full-do-replication.do**” has runtime 13.12 seconds.

Software requirements.

The code was written for Stata 15.1 (and is compatible with STATA/SE 17.0). The do. file “**full-do-replication.do**” includes code that will install the “**estout**” package (code line: **ssc install estout, replace**).

Data references.

**Coppedge, Michael, John Gerring, Carl Henrik Knutsen, Staffan I. Lindberg, Jan Teorell, David Altman, Michael Bernhard, M. Steven Fish, Adam Glynn, Allen Hicken, Anna Luhrmann, Kyle L. Marquardt, Kelly McMann, Pamela Paxton, Daniel Pemstein, Brigitte Seim, Rachel Sigman, Svend-Erik Skaaning, Jeffrey Staton, Steven Wilson, Agnes Cornell, Nazifa Alizada, Lisa Gastaldi, Haakon Gjerløw, Garry Hindle, Nina Ilchenko, Laura Maxwell, Valeriya Mechkova, Juraj Medzihorsky, Johannes von Römer, Aksel Sundström, Eitan Tzelgov, Yi-ting Wang, Tore Wig, and Daniel Ziblatt**, V-Dem [Country–Year/Country–Date] Dataset v10. Varieties of Democracy (V-Dem) Project. [https://doi.org/10.23696/vdemds20. 2020](https://doi.org/10.23696/vdemds20.%202020).

**Inglehart, R., C. Haerpfer, A. Moreno, C. Welzel, K. Kizilova, J. Diez-Medrano, M. Lagos, P. Norris, E. Ponarin, B. Puranen et al., ed.**, 2014. World Values Survey: Round Six Country-Pooled Datafile 2010-2014. Version: http://www.worldvaluessurvey.org/WVSDocumentationWV6.jsp., Madrid: JD Systems Institute.

**Marshall, Monty G. and Ted Robert Gurr**, Polity5: Political Regime Characteristics and Transitions, 1800–2018, Polity5 Project, Center for Systemic Peace, 2020.