

README FOR REPLICATION PACKAGE:

Patience and Comparative Development

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1 Folder Structure and Files

The replication material is organized in the following files:

- `_data` : Folder containing the replication data (country, region)
- `_indirect_inference` : Folder containing code and data for indirect inference
- `_results` : Folder for output
 - `_results/_figures` : Folder for output (figures)
 - `_results/_tables` : Folder for output (tables)
 - `_results/_appendix` : Folder for output (appendix material)

2 Data Availability Statement

Primary Data.

- Global Preference Survey, see (Falk et al., 2018), publicly available for download at <https://www.briq-institute.org/global-preferences/home>.

Secondary Data (Country) contained in replication data files.

- Barro-Lee Educational Attainment Dataset (Barro and Lee, 2013), publicly available for download at <http://www.barrolee.com/>.
- Maddison Project Database, version 2013 (Bolt and van Zanden, 2014), publicly available for download at <https://www.rug.nl/ggdc/historicaldevelopment/maddison>.
- Penn World Tables, version 9.0 (Feenstra et al., 2015), publicly available for download at www.ggdc.net/pwt.
- Quality of Governance (QoG) Data, cross-section 2016 (Teorell et al., 2016), publicly available for download at <https://www.gu.se/en/quality-government/qog-data/data-downloads/standard-dataset>.
- World Bank Development Indicators (World Bank, 2018), publicly available at <https://databank.worldbank.org/source/world-development-indicators> (downloaded 23 January 2018).

Secondary Data (Region) contained in replication data files.

- Gennaioli et al. (2013), publicly available for download at <https://scholar.harvard.edu/shleifer/publications/human-capital-and-regional-development>.

Secondary Data (Individual)

- 2012 Gallup World Poll (see <https://www.gallup.com/analytics>).
The Gallup World Poll data is restricted-use microdata published by Gallup. Users must either have access to the Gallup World Poll through their institution, or acquire a licence from Gallup. Licenses prevent users from publishing the original data. Users whose academic host institution does not offer access to the Gallup World Poll microdata set may contact Jerry_Hansen@gallup.com or Kris_Hodgins@gallup.com to learn about the license models and pricing. Note that a subscription to the Gallup Analytics data visualization portal does not provide sufficient rights to the individual questionnaire-level data. See also <https://www.gallup.com/178667/gallup-world-poll-work.aspx> and <https://www.gallup.com/analytics/232838/world-poll.aspx> for more information on the Gallup World Poll.

3 Data

3.1 Original Data Sources

- Global Preference Survey (GPS), see Falk et al. (2018). Available for download at <https://www.briq-institute.org/global-preferences/home>.
- Country-level indicators from various sources:
 - Education data (Barro and Lee, 2013; Hanushek and Woessmann, 2012)
 - Penn World Tables (Feenstra et al., 2015)
 - World Development Indicators (World Bank, 2018)
 - Quality of Governance data (Teorell et al., 2016)
 - Maddison Project Database (Bolt and van Zanden, 2014)
- Region-level indicators, see Gennaioli et al. (2013).
- Individual Survey Data from Gallup World Poll 2012 (Gallup Inc., 2012).

3.2 Replication Data

The replication data comprises the following data sets:

- `country_final.dta`: Country-level data
- `region.dta`: Region-level data

See also Supplementary Appendix for details original data sources and data construction.

3.3 Individual-level Data

The replication of individual-level results (Tables 7, D.5, D.6, D.7) requires individual-level data that are not part of the replication package.

The individual level data consist of data from the GPS that can be downloaded at <https://www.briq-institute.org/global-preferences/downloads#dataset>. This data set contains information for patience and five other individual preference measures, country identifiers, subjective math score, interview date, language, age, gender, and personal identifiers. These personal identifiers allow for linking the GPS individual dataset with the 2012 Gallup World Poll microdata set (Gallup Inc., 2012). The latter provides additional data on the individual level.

See the FAQ at <https://www.briq-institute.org/global-preferences/faq#faq8> on how to merge these datasets. The Stata-code to replicate the individual level results

can be found in `!Replication_main.do`, but the respective lines are commented. Running these commands requires merging the GPS individual dataset with the 2012 Gallup World Poll microdata set and saving the merged data set as `_data/individual.dta`.

4 Replication Code: Estimation Results

- `!Replication_main.do`: Stata-do file with replication code (saved in root directory)

Replication is executed by running the file `!Replication_main.do` in the root directory. Replication will generate figures and tables (main text and appendix) and save the output files in the following folders:

- `_results/_figures`: Folder for output (figures)
- `_results/_tables`: Folder for output (tables)
- `_results/_appendix`: Folder for output (appendix material)

The replication does not require the installation of specific packages. Potentially missing necessary packages can be installed via the `ssc install` or `net install` command.

Execution requirements: STATA version 14 or higher (last tested on STATA 16.1, Windows 10). Expected running time: approx. 1 minute.

5 Replication Code: Indirect Inference

- `_indirect_inference/struct.R`: R-code for indirect inference estimation.

This file contains all the required code to replicate the structural estimation results in Table 11, columns (2) - (5) and the corresponding entries in Table H.8 as well as Table H.9, H.10, columns (A) - (F) and Table H.11 columns (A) - (F).

The file is self-contained and commented. To replicate the results, set the indicator value at the top of the file to "1" for a particular specification.

- `_indirect_inference/base_params.txt`: Parameter values of the baseline specification

Executing the code does not require any packages outside of base R. However, for some specifications, the file `base_params.txt` (parameter values of the baseline specification) is required to run successfully. This file can be re-generated via running the specification `"baseline = 1"`.

Execution requirements: R version 4.0.0 or higher recommended. Expected running time: approx. 10 seconds for a given specification.

References

- Barro, Robert J. and Jong-Wha Lee**, “A New Data Set of Educational Attainment in the World, 1950–2010,” *Journal of Development Economics*, 2013, *104*, 184–198.
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