Replication file for

Who Knows How To Govern? Procedural Knowledge in India's Small Town Councils

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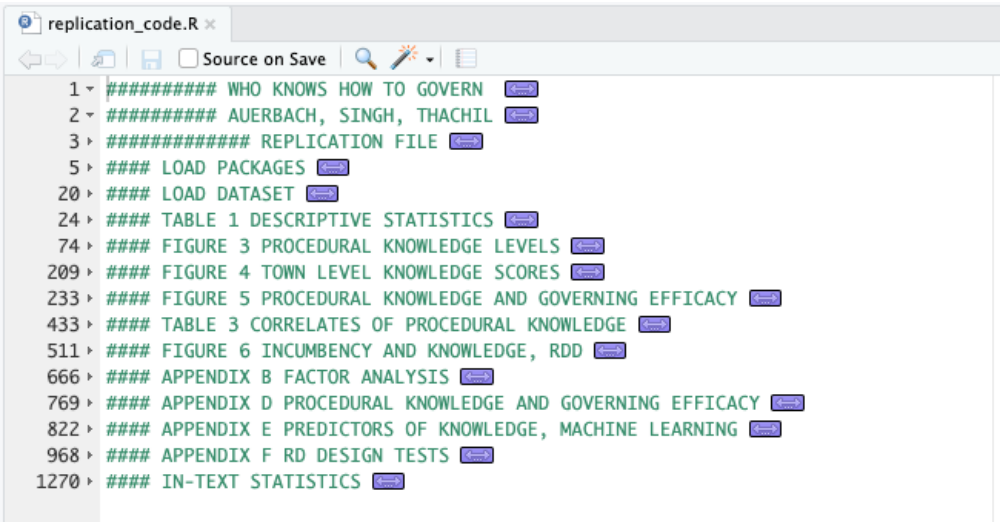
This document is a guide to the replication folder uploaded on Dataverse. To begin using the replication file, download the .zip file from Dataverse and extract all the files into the same folder.

Scripts

The analysis are conducted in R version 4.3.2 operated through R Studio 2023.12.0+369. R Studio treats any line of code that ends in special characters as a header. When all the sections are collapsed in a script, they function as a table of contents. For example, the table of contents for replication_code.R can be obtained by clicking Edit » Folding » Collapse All:



Startup

Before running any script, set the working directory to the folder that contains all replication files. You can do this by editing the setwd("file path") command at the top of the replication_code.R script. At the start of the script, we have provided all of the R packages that must be installed for the code to run. If you have already installed a package, proceed to library(package name) it. If you have not installed a package, first install.package("package name"), then library(package name).

Folder Contents

The main analysis folder contains the following files and sub-folders:

Data

1. raw_data.csv

    - This is the raw survey data file.
2. cleaned_data.rds
    - This file contains the data used in the main analysis.
3. small_town_locations.xlsx
    - This file contains the data used to produce the map of surveyed locations
4. States
    - This subfolder contains shapefiles used to produce the map of Rajasthan included in the article

Analysis Code

5. cleaning.R
    - This file inputs raw_data.csv, cleans the data, and outputs cleaned_data.rds
6. replication_code.R
    - This file inputs cleaned_data.rds, performs the main analysis for the paper, saves figures and tables to respective folders
7. replication_code_map.R
    - This file inputs small_towns_locations.xlsx and shape files, to produce map of survey locations, saved in the figures folder
8. codebook.xlsx
    - This is an excel file containing the list of variables in cleaned_date.rds along with a short description of each

Output

9. tables
    - This folder contains the tables generated by replication_code.R
10. figures
    - This folder contains the figures generated by replication_code.R and replication_code_map.R

Paper

11. pics
    - This subfolder contains two photographs taken by the authors and used in manuscript.tex
12. bsts
    - This subfolder contains bibliography files used to call a reference style in latex
13. manuscript.tex (.aux,.bbl,.blg,.log,.out,.synctex.gz,.toc)
    - This is the latex file that produces the manuscript of the article. Its auxiliary files are also available
14. manuscript.pdf
    - This is the pdf of the paper produced by manuscript.tex
    - In text statistics in replication_code.R (starting at line 1270) correspond to page numbering in this pdf
15. small_towns_references.bib
    - This file contains the list of references cited in the main article

Survey

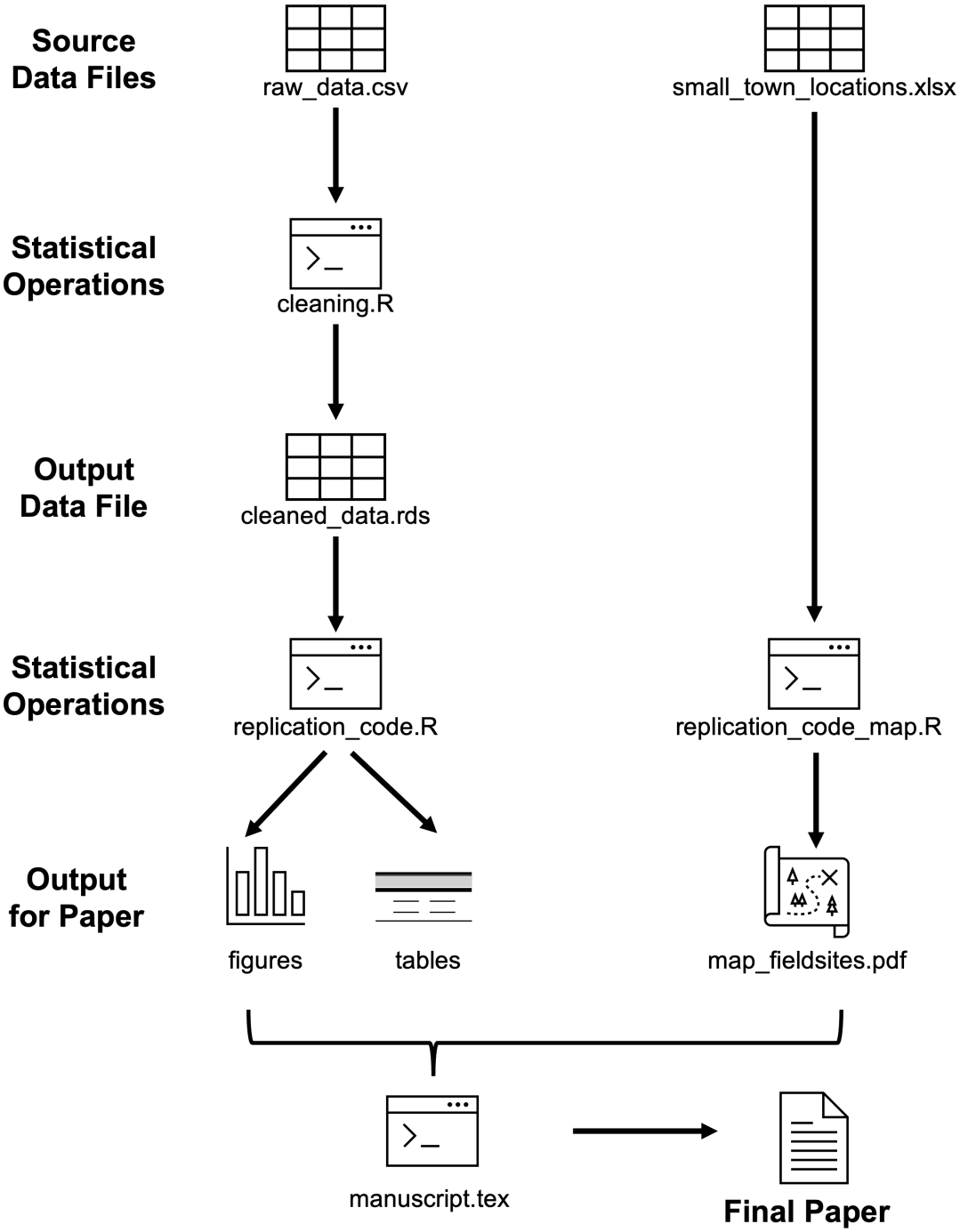
16. IRB
    - This subfolder contains ethics review approval letters for the fieldwork and survey used in the paper
    - The files are: IRB Approval Case Study.pdf and IRB Approval Survey.pdf
17. survey_questionnaire.pdf
    - Exact wording of survey questions and responses used in the analysis.

Admin Data

18. census 2011 table.pdf
    - Information from this census file are referenced in the manuscript.

Workflow

This figure details the compilation process from raw data set to final manuscript involving the aforementioned files.


Source Data Files
raw_data.csv
small_town_locations.xlsx
Statistical Operations
cleaning.R
Output Data File
cleaned_data.rds
Statistical Operations
replication_code.R
replication_code_map.R
Output for Paper
figures
tables
map_fieldsites.pdf
manuscript.tex
Final Paper