

Readme for “Gender Quotas and Upward Political Mobility in India”

November 17, 2024

In addition to this Readme file, this repository contains 8 data files and 6 R code files.

Data Files Description

1. Files starting with Letters AE.<State Name><date>.csv – Raw data files with date downloaded from <https://lokhaba.ashoka.edu.in/> (Jensenius and Verniers, 2017)
2. all_india.dta – Contains the merged version of data downloaded from <https://lokhaba.ashoka.edu.in/>
3. BBS-Data.dta – state-level control variables obtained from (Barenberg, Basu and Soyly, 2015)
4. final_data.dta – file contains raw data merged with bbs-data.dta
5. final_panel.dta – file contains merged data along with the treatment variables - reservation dummy, exposure measures etc.
6. total_seats.dta – This file contains total number of seats in Indian state legislatures
7. GPs.csv – this file contains digitized data obtained from 2019 handbook of “Basic Statistics of Panchayati Raj Institutions” published by the Ministry of Panchayati

Raj, Government of India (pp 13, 18-20). Summary Statistics are displayed in table A.16

8. total_seats.dta

9. proportions_assembly_wise – file contains data from candidate tracking exercise

Note on R-files: Every R files has a snippet of code that will check for installed packages, and install all the necessary packages needed to run the code. Table 1 in the manuscript is based on Iyer et al. (2012); Ghani, Kerr and O’Connell (2014). Table 2 in the manuscript are tabulated using information from Appendix A.1 “State laws providing for 50% reservation.”

R-Files Description

1. QJPS_Replication.Rproj – R project file to be opened first before conducting any analysis to ensure that the working directories are in order
2. 0-clean.R – Lines 1 through 669 cleans the raw data downloaded from <https://lokhaba.ashoka.edu.in/> (Jensenius and Verniers, 2017), and writes it to a .dta file titled all_india.dta (item two in Data Files Description above). Lines 672 through 699 merges the raw data with the control variables data found in BBS-Data.dta (item three in Data Files Description above). Running this code in its entirety generates final_data.dta.
3. 1-new_variables.R – Uses final_data.dta. to process and create the dependent variable, exposure measures, and other relevant dummies necessary for final analysis. Running this code in its entirety generates final_panel.dta
4. 2-data_analysis.R – This file contains the main regressions and generates main section tables 3, 4, 5, 6. This code also generates appendix tables A.5, A.6, A.7, A.8, A.9, A.10, A. 11, A. 12, A.13, A.14, A.19, A.20, A.21 Appendix Figure A1, A.3

5. 3-plots.R – This file uses final_panel.dta, total_seats.dta to generate Figure A.2
6. 7-cadreparty.R - This file contains data processing to analyse the role of parties. Generates Tables 6 (panels A & B) and A.17 (Panels A &B), and Figures 2
7. 9-gps.R – This file uses GPs.csv and final_panel.dta and generates Figure 1
8. GPs.csv replicates table A.15
9. table_a16.csv creates table A.16

Extra Notes

Tables 1, 2, A.1, A.2, A.3, A.4, A.15 (with table notes citing the handbook source), and A.18 are included for ease of reading and interpretation of the information presented in the paper.

Technical Notes:

Operating System: All the analyses were conducted on macOS Sonoma Version 14.5

R: .R files were analyzed on “R-Studio Version 2024.04.1+748 (2024.04.1+748)”

Stargazer in R

Please follow <https://gist.github.com/alexeyknorre/b0780836f4cec04d41a863a683f91b53> if you face stargazer issues, else summary results can be obtained on the R console by running the respective line of code

References

Barenberg, Andrew, Deepankar Basu and Ceren Soylu. 2015. “The Effect of Public Health Expenditure on Infant Mortality: Evidence from a Panel of Indian States, 1983-84 to 2011-12.”.

- Ghani, Ejaz, William R Kerr and Stephen D O'Connell. 2014. "Political reservations and women's entrepreneurship in India." *Journal of Development Economics* 108:138–153.
- Iyer, Lakshmi, Anandi Mani, Prachi Mishra and Petia Topalova. 2012. "The power of political voice: women's political representation and crime in India." *American Economic Journal: Applied Economics* 4(4):165–193.
- Jensenius, Francesca R and Gilles Verniers. 2017. "Studying Indian politics with large-scale data: Indian Election data 1961–today." *Studies in Indian Politics* 5(2):269–275.