README

Replication Data for "Competent legislators or mere pawns? Experimental evidence of attitudes toward gender quota politicians"
by Carolyn Barnett, Alexandra Blackman, and Marwa Shalaby

This replication dataset contains the data, codebook, and code files necessary to recreate all tables and figures in the main manuscript and appendix. This README file describes the contents of each file and explains how to use the replication materials. It also lists the versions of R, RStudio, and all relevant packages used to produce the results.

Instructions to Replicate the Study

To replicate:

Download files to local device and save in a designated replication folder.

Create an empty folder called "Figures" within the replication folder. This is necessary for ggsave() commands in the code to run.

then

Option 1: Double-click on "00_Master.R", which opens the file automatically in R Studio and sets the replication folder as the active directory, then run it.

or

Option 2: Open 00_Master.R in R Studio, make the path of the replications files the active directory by specifying it in the setwd() command, then run it.

Figures generated by the code will go to "./Figures" folder.

Tables generated by the code will be saved in the file log.txt or displayed in the console.

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Code Citation and License:

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LIST OF FILES

CODEBOOKS

"Gender_Quotas_Codebook.xlsx" lists and describes the variables in each of the datasets included with the replication files. Each tab in the Excel file contains information relevant to one of the datasets listed below.

DATASETS

"quota_experiment.rds" is a respondent-level dataset containing the experimental treatment assignments, experiment outcome variables, and covariates for the 927 respondents randomly assigned to participate in the quota vignette. This dataset is used in most of the code files.

"summary_stats_1800.rds" contains demographic variables from the full survey sample of 1800 respondents used to compare the sample to other surveys in Appendix Table A.1. This dataset is used in code file "03_summary_stats.R."

"wvs7_mor.rds", ***"af9_mor.rds"***, and ***"ab7_mor.rds"*** contain data from the World Values Survey Wave 7 (Haerpfer et al. 2022), Afrobarometer Wave 9 (Afrobarometer 2022), and Arab Barometer Wave 7 (Arab Barometer 2022) surveys of Moroccans required to create Table A.1 in the Appendix. Full versions of these datasets are publicly available online; see citations at the end of this file. We include here only the variables required to reproduce the table. These datasets are used in code file "03_summary_stats.R."

CODE FILES

"00_Master.R" runs all .R codes in the order they are listed. This is the only code you need to run to reproduce results. Double-click this 00-Master.R file to open it, then run it. Double-clicking on the file makes its location the active directory.

"01_setup.R" contains loads packages, data, functions, and parameters needed to run the analyses in other code files. This file should be open and run before running any other code. However, not all datasets need to be loaded for all analyses; refer to descriptions of the datasets above and notes below.

"02_main_manuscript.R" contains code to create all tables and figures in the main manuscript. Running this code requires loading "quota_experiment.rds".

"03_summary_stats.R" contains code to create Appendix Table A.1. Running this code requires loading "summary_stats_1800.rds", "wvs7_mor.rds", "af9_mor.rds", and "ab7_mor.rds".

"04_power_analyses.R" contains code to create tables and figures in Appendix Section 3. Running this code does not require loading any datasets.

"05_additional_analyses.R" contains code to create tables and figures in Appendix Sections 4 to 6. Running this code requires loading "quota_experiment.rds".

"06_robustness.R" contains code to create tables and figures in Appendix Section 7. Running this code requires loading "quota_experiment.rds".

"07_secondary_hypotheses.R" contains code to create tables and figures in Appendix Section 8. Running this code requires loading "quota_experiment.rds".

"07_exploratory.R" contains code to create tables and figures in Appendix Section 9. Running this code requires loading "quota_experiment.rds".

DATA SOURCES

Afrobarometer Data, Morocco, Round 9, 2022, available at https://www.afrobarometer.org/survey-resource/morocco-round-9-data-2023/.

Arab Barometer Data, Morocco, Wave 7, 2021-2022, available at https://www.arabbarometer.org/surveys/arab-barometer-wave-vii/.

Haerpfer, C., Inglehart, R., Moreno, A., Welzel, C., Kizilova, K., Diez-Medrano, J., Lagos, M., Norris, P., Ponarin, E. & Puranen B. (2022): World Values Survey Wave 7 (2017-2022) Cross-National Data-Set. Version: 4.0.0. World Values Survey Association. DOI: doi.org/10.14281/18241.18

COMPUTING AND SOFTWARE ENVIRONMENT

Code last executed from start to finish: 18-SEP-2024
Software: R 4.4.1
Software: R Studio Build 764
Computer Operating System: macOS Sonoma 14.5
Computer Processor: 8
Computer Memory (RAM): 16 GB
Chip: Apple M1

Packages used:

Package	*Version*
plyr	1.8.9
broom	1.0.6
modelsummary	2.1.1
stargazer	5.2.3
tidyverse	2.0.0
xtable	1.8-4
haven	2.5.4