Replication instructions for 'Misperceived Social Norms and Willingness to Act Against Climate Change'

Peter Andre, Teodora Boneva, Felix Chopra, Armin Falk

April 2024

Overview

This replication package reproduces the published tables and figures from Andre et al. (2024). The data analysis is carried out in Stata. The main do-file calls all other do-files to clean the data and generate the figures and tables published in the paper and the online appendix. The replicator should expect the code to run for less than 10 minutes.

Data Availability and Provenance Statements

The data for this paper was collected by the authors as part of a set of three survey experiments. The data is included in this replication package.

Statement about Rights

- ☒ I certify that the author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.
- ☐ I certify that the author(s) of the manuscript have documented permission to redistribute/publish the data contained within this replication package. Appropriate permission are documented in the LICENSE.txt file.

Summary of Availability

- ☒ All data **are** publicly available.
- ☐ Some data **cannot be made** publicly available.
- ☐ **No data can be made** publicly available.

Details on each Data Source

All of the datasets below are provided in the replication file.

Data.Name	Data.Files	Location	Citation
Wave 1	climate_raw_wave_1	data/	Andre et al. (2024)
Wave 2	climate_raw_wave_2	data/	Andre et al. (2024)
Auxiliary Experiment	belief_donation_survey	data/	Andre et al. (2024)
FIPS codes	county_states	data/	Andre et al. (2024)

The data for Wave 1, Wave 2, the Auxiliary Experiment, as well the FIPS codes are included in the replication package.

Computational requirements

Software Requirements

- Stata (code was last run with version 16.1)
  - `estout`
  - `reghdfe`
  - `coefplot`
  - `interflex`
  - `winsor`
  - `winsor2`
  - `grstyle`
  - `blindschemes`
  - The program "`main.do`" contains code to install all dependencies (need to uncomment lines 12-19).

Memory and Runtime Requirements

Summary Approximate time needed to reproduce the analyses on a standard (2023) desktop machine:

☒ <10 minutes
☐ 10-60 minutes
☐ 1-2 hours
☐ 2-8 hours
☐ 8-24 hours
☐ 1-3 days
☐ 3-14 days
☐ > 14 days
☐ Not feasible to run on a desktop machine, as described below.

Details The code was last run on a laptop with 32 GB of RAM on macOS 14.2.1. The computations took less than 5 minutes to conclude.

Description of programs/code

All programs below are called from `code/main.do` in the `code` folder of the replication package:

- The file `code/setup.do` sets parameters and the directory path variables. Replicators have to change the path variable on line 22 before executing `code/main.do`.
- Programs in `code/cleaning` will clean the raw data and export the cleaned data to `out/data`.
- All other do-files in `code/` are used to reproduce the tables and figures.

Instructions to Replicators

- Edit `code/setup.do` to set the default path for the root of the replication directory (line 22).
- If necessary: Uncomment lines 12-19 in `code/main.do` to install all necessary Stata packages.
- Run `code/main.do` to clean the data and generate figures and tables.

Details

- `code/setup.do`: will set up paths, local and global macros, and adjust the settings relevant for the production of graphics.
- `code/main.do`: This program calls `setup.do`, installs all necessary libraries, calls the do-files for data cleaning, and then calls the individual do-files that generate tables and figures for the paper.

List of tables and programs

The provided code reproduces:

☐ All numbers provided in text in the paper
☒ All tables and figures in the paper
☐ Selected tables and figures in the paper, as explained and justified below.

Figure/Table	Program	Output file
Figure 2.A	code/analysis_wave_1	out/figures/fig_2_panel_A
Figure 2.B	code/analysis_wave_1	out/figures/fig_2_panel_B
Figure 3	code/analysis_wave_2	out/figures/fig_3
Figure A2	code/analysis_wave_1	out/figures/fig_A2
Figure A3	code/analysis_wave_1	out/figures/fig_A3
Figure A4	code/analysis_wave_1	out/figures/fig_A4
Figure A5	code/fig_A5	out/figures/fig_A5
Figure A6	code/analysis_wave_2	out/figures/fig_A6
Figure A7	code/analysis_wave_2	out/figures/fig_A7
Figure A8	code/analysis_wave_2	out/figures/fig_A8

Figure/Table	Program	Output file
Table 1	code/analysis_wave_1	out/tables/tab_1
Table 2	code/analysis_wave_2	out/tables/tab_2
Table 3	code/analysis_wave_2	out/tables/tab_3
Table 4	code/analysis_wave_2	out/tables/tab_4
Table A1	code/tab_A1	out/tables/tab_A1
Table A2	code/analysis_wave_1	out/tables/tab_A2
Table A3	code/analysis_wave_1	out/tables/tab_A3
Table A4	code/analysis_wave_1	out/tables/tab_A4
Table A5	code/analysis_wave_1	out/tables/tab_A5
Table A6	code/analysis_wave_1	out/tables/tab_A6
Table A7	code/analysis_wave_2	out/tables/tab_A7
Table A8	code/analysis_wave_2	out/tables/tab_A8
Table A9	code/analysis_wave_2	out/tables/tab_A9
Table A10	code/analysis_wave_2	out/tables/tab_A10
Table A11	code/analysis_wave_2	out/tables/tab_A11
Table A12	code/analysis_wave_2	out/tables/tab_A12
Table A13	code/analysis_wave_2	out/tables/tab_A13
Table A14	code/analysis_wave_2	out/tables/tab_A14
Table A15	code/analysis_wave_2	out/tables/tab_A15
Table A16	code/analysis_wave_2	out/tables/tab_A16
Table A17	code/analysis_wave_2	out/tables/tab_A17
Table A18	code/analysis_wave_2	out/tables/tab_A18

Note that Figure 1 (Information treatments in wave 2) is manually generated.

References

Andre, P., Boneva, T., Chopra, F., and Falk, A. (2024). "Misperceived Social Norms and Willingness to Act Against Climate Change".