Replication Package for: Nastiness in Groups
31.10.2023

Replication package for: Bauer, M., J. Cahlíková, D. Celik Katreniak, J. Chytilová, L. Cingl, and T. Želinský. (2023). "Nastiness in Groups". Journal of the European Economic Association, conditionally accepted.

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Data availability and provenance statements
Statement about rights

The author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.

Summary of availability

- All data are publicly available.

Details on each data source

- The data were collected by the authors, and are available under a Creative Commons Non-commercial license.
- The replication package, including all datasets and code, is published at Harvard Dataverse at https://doi.org/10.7910/DVN/FVPDFB.
- Details on the experiment design and sample selection are provided in the manuscript
    - Experiment 1: Section 2.1-2.3
    - Experiment 2: Section 3.1-3.2
    - Experiment 3: Section 4.1
    - Pilot Experiment 1: Online Appendix B
    - Pilot Experiment 2: Online Appendix B
    - Supplementary Experiment: Online Appendix C
- Experimental protocol in English is provided as Online Appendix E and in the replication package (folder "5_experimental_protocols", file "Appendix_E_Experimental_protocols_English_translation.pdf")
- Experimental protocol in the original languages is provided in the replication package (folder "5_experimental_protocols", file "Appendix_F_Experimental_protocols_original_languages.pdf")

Description of datasets

- Main datasets are provided in the folder "1_data"
    - Experiment1.dta
    - Experiment2.dta
    - Experiment3.dta
    - Pilot_Experiment1.dta
    - Pilot_Experiment2.dta

- Supplementary_Experiment.dta

- All datasets are also available in the csv format (with associated codebooks in xml format). These are produced from the dta files by running the code in "2_do_files/04_codebook_data_export.do"

 # Description of programs/code

- Programs in "2_do_files /00_master_file_JEEA_final.do" guide reader through the replication. It includes setting the directories, downloading necessary packages, setting options and calling all other programs.
- Programs in "2_do_files /01_Tables_JEEA_final.do" generate the tables in the main body of the article and in the Online Appendix. The tables are saved in the folder "3_output/Tables" are labeled in an intuitive way (e.g. Table1_A.xls is the Panel A of Table 1).
- Programs in "2_do_files /02_Figures_JEEA_final.do" generate the figures in the main body of the article and in the Online Appendix. The figures are saved in the folder "3_output/Figures" are labeled in an intuitive way (e.g. "Figure_2A.pdf" is the Panel A of Figure 2).
- Programs in "2_do_files /03_Statistics_in_text_JEEA_final.do" generate the statistics included in the main body of the article. The relevant text is always cited in the code and then the underlying commands are displayed
- Programs in "2_do_files /04_codebook_data_export.do" take the data in the dta format and export them as xml, with the associated codebook.

 # List of tables and figures

The provided code reproduces all figures and tables in the paper, as summarized below:

Figure/Table number	Program in folder "2_do_files"	Line number	Output in folder"3_output"	Note
Table 1	01_Tables_JEEA_final.do	3	/Tables/Tab1_A.xls and Tab1_B.xls	F-statistics for Treatment comparisons added manually from Stata output, see code
Table 2	01_Tables_JEEA_final.do	138	/Tables/Tab2_A.xls and Tab2_B.xls	
Table 3	01_Tables_JEEA_final.do	197	/Tables/Tab3_A.xls and Tab3_B.xls	
Table A1	01_Tables_JEEA_final.do	278	/Tables/TableA1.xls	
Table A2	01_Tables_JEEA_final.do	293	/Tables/TableA2.xls	Column 5-9 added manually from Stata output, see code
Table A3	01_Tables_JEEA_final.do	324	/Tables/TableA3.xls	Column 5-10 added manually from Stata output, see code
Table A4	01_Tables_JEEA_final.do	419		Table is generated manually from Stata output, see code

Table A5	01_Tables_JEEA_final.do	457		Table is generated manually from Stata output, see code
Table A6	01_Tables_JEEA_final.do	499	/Tables/TableA6.xls	Column 5 added manually from Stata output, see code. Column 6 added manually (2011 Census data)
Table A7	01_Tables_JEEA_final.do	529	/Tables/TableA7.xls	Column 3 added manually from Stata output, see code
Table A8	01_Tables_JEEA_final.do	554		Table is generated manually from Stata output, see code
Table A9	01_Tables_JEEA_final.do	568	/Tables/TableA9.xls	"Mean iIndividual" added manually from Stata output, see code
Table A10	01_Tables_JEEA_final.do	698	/Tables/TableA10.xls	Column 7 added manually from Stata output, see code. Column 8 added manually (2021 Census data)
Table A11	01_Tables_JEEA_final.do	754	/Tables/TableA11.xls	Column 3,6,9 added manually from Stata output, see code
Table A12	01_Tables_JEEA_final.do	806	/Tables/TableA12.xls	Column 5-9 added manually from Stata output, see code
Table A13	01_Tables_JEEA_final.do	879	/Tables/TableA13.xls	Column 4-6 added manually from Stata output, see code
Table A14	01_Tables_JEEA_final.do	922	/Tables/TableA14.xls	
Table A15	01_Tables_JEEA_final.do	956	/Tables/TableA14.xls	
Table A16	01_Tables_JEEA_final.do	969	/Tables/TableA16.xls	"Mean iIndividual" added manually from Stata output, see code
Table A17	01_Tables_JEEA_final.do	1059	/Tables/TableA17.xls	"Mean iIndividual" added manually from Stata output, see code
Table A18	01_Tables_JEEA_final.do	1152	/Tables/TableA18.xls	Column 5 added manually from Stata output, see code
Figure 1				Payoff matrices, own illustration
Figure 2	02_Figures_JEEA_final.do	8	/Figures/Fig_2A.pdf and /Figures/Fig_2B.pdf	
Figure 3	02_Figures_JEEA_final.do	88	/Figures/Fig_3A.pdf and /Figures/Fig_3B.pdf	
Figure 4	02_Figures_JEEA_final.do	164	/Figures/Fig_4A.pdf and /Figures/Fig_4B.pdf	Mean Individual (right column) added manually into the pdf from the Stata output, see code for values
Figure 5	02_Figures_JEEA_final.do	367	/Figures/Fig_5.pdf	
Figure A1				Payoff matrices, own illustration

Figure A2	02_Figures_JEEA_final.do	415	/Figures/Fig_A2_A.pdf and /Figures/Fig_A2_B.pdf	
Figure A3	02_Figures_JEEA_final.do	441	/Figures/Fig_A3_A.pdf and /Figures/Fig_A3_B.pdf	Mean Individual (right column) added manually into the pdf from the Stata output, see code for values
Figure A4	02_Figures_JEEA_final.do	601	/Figures/Fig_A4_A.pdf and /Figures/Fig_A4_B.pdf	Mean Individual (right column) added manually into the pdf from the Stata output, see code for values
Figure A5	02_Figures_JEEA_final.do	761	/Figures/Fig_A5.pdf	Mean Individual (right column) added manually into the pdf from the Stata output, see code for values
Figure A6	02_Figures_JEEA_final.do	917	/Figures/Fig_A6.pdf	
Figure A7	02_Figures_JEEA_final.do	980	/Figures/Fig_A7.pdf	
Figure A8	02_Figures_JEEA_final.do	1019	/Figures/Fig_A8.pdf	

Instructions to replicators

- Follow the instructions in "2_do_files /00_master_do_file_JEEA_final.do".
- Edit the default path (line 34)
- Make sure the folder structure is as required (line 40) – there should be a folder "1_data" including all datasets, a folder "2_do_files" including all programs, a folder "3_output" including (empty) folders "Figures" and "Tables", and a folder "4_log"
- Run the program "2_do_files /00_master_do_file_JEEA_final.do". It includes all setups, installs the necessary packages and calls the other programs. Figures, tables and logfiles are saved in the respective folders.

Computational requirements

Software requirements

Stata (code was last run with version 17 on 31.10.2023)

- outreg2
- orth_out
- coefplot

- iebaltab
- the program “2_do_files /00_master_do_file_JEEA_final.do” will install all dependencies locally and should be run first.

Memory and runtime requirements

Summary

Approximate time needed to reproduce the analyses on a standard 2023 desktop machine: below 1 minute

Details

Last run on MacBook Pro with the following specifications:

Model Name: MacBook Pro
Model Identifier: MacBookPro18,3
Chip: Apple M1 Pro
Total Number of Cores: 10 (8 performance and 2 efficiency)
Memory: 16 GB