Find the Fake: Boosting Resistance to Health Misinformation in Jordan with a WhatsApp Chatbot Game

Second Submission: RR_JOR_2024_127
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This review verifies the reproducibility of the exhibits included in the paper *"Find the Fake: Boosting Resistance to Health Misinformation in Jordan with a WhatsApp Chatbot Game"*.

Contents in this review:

Main findings

- The code was successfully executed on a new computer after:
  1. Changing the working directory in the main script.
  2. Installing the packages outreg2, `missings`, `wyoung`, `coefplot`, `violinplot`, `dstat`, `moremata`, `ipfraking` from the repository SSC and the package `grc1leg` from http://www.stata.com/users/vwiggins/
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 4 hours to run.
- We conducted our reproducibility analysis based on the paper shared by the authors via OneDrive on April 29th, 2024.
- Every exhibit has been reproduced accurately.
- **Reproducibility Summary**:
  - **Data**: All data is confidential and not included in the reproducibility package (details provided in README).
  - **Code**: All code files (from cleaning to analysis) are included in the reproducibility package.
  - **Outputs**: All outputs are generated by code included in the reproducibility package.
  - **Reproducibility verification**: Reviewers used data provided directly by the authors to conduct the reproducibility verification, and this is not included in the package.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1** Does not show analysis results
- **Table 1** Does not show analysis results
- **Figure 2** Does not show analysis results
- **Table 2** Reproduced Values for "control" are missing from the code output
- **Table 3** Reproduced
- **Table 4A** Reproduced Values for "control" are missing from the code output
- **Table 4B** Reproduced Values for "control" are missing from the code output
- **Figure 3A** Reproduced
- **Figure 3B** Reproduced
- **Table 5** Reproduced
- **Table 6** Reproduced Values for "control" are missing from the code output
- **Figure 4A** Reproduced
- **Figure 4B** Reproduced
- **Table 7** Reproduced Values for "control" are missing from the code output
- **Figure 5** Reproduced

Results in the Annex

- **Appendix A** Does not show analysis results
- **Appendix B** Does not show analysis results
- **Appendix C** Does not show analysis results
- **Appendix D** Does not show analysis results
- **Appendix E** Reproduced
- **Appendix F** Does not show analysis results
- **Appendix G** Does not show analysis results
- **Appendix H1** Reproduced
- **Appendix H2** Reproduced
- **Appendix H3** Reproduced

- **Appendix H4** Reproduced
- **Appendix H5** Reproduced
- **Appendix H6** Reproduced
- **Appendix I1** Reproduced
- **Appendix I2** Reproduced
- **Appendix J1** Reproduced
- **Appendix J2** Reproduced Values for "control" are missing from the code output.
- **Appendix J3** Reproduced Values for "control" are missing from the code output. This exhibit was compared against *Table J5.xls*
- **Appendix K** Reproduced

Reproduction Environment

- Paper exhibits were reproduced in a computer with the following specifications:
  - OS: Windows 11 Enterprise
  - Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
  - Memory available: 15.7 GB
  - Software version: Stata version 17