



Missing Evidence: Tracking Academic Data Use around the World

Package ID: RR_WLD_2023_39-v01

PRWP Reproducibility Verification

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December 7th, 2023

This review verifies the reproducibility of the exhibits included in the paper “*Missing Evidence: Tracking Academic Data Use around the World*”.

Contents in this review:

1. Main findings
2. Reproducibility assessment
3. List of exhibits and reproducibility status

Main findings

- The code was successfully executed on a new computer after:
 1. Cloning the repository to the local machine and setting up the environment.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results. There is a small difference between the labels in each run due to the `geom_text_repel` behaving differently with each run, but this is expected and does not jeopardize reproducibility.
- The code takes approximately 30 minutes to run.
- Every exhibit was reproduced using the code.

Reproducibility assessment

- Paper exhibits were attempted to be reproduced in a computer with the following specifications:
- Computer 1:
 - OS: Windows 11 Enterprise
 - Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
 - Memory available: 15.7 GB
 - Software version: R version 4.3.0
- We conducted our reproducibility analysis based on the paper in the authors’ GitHub repository available here. Our validation involved comparing the results generated by the code with the exhibits in the paper to assess their consistency.

*List of exhibits and reproducibility status***Results in the Main Section**

- **Table 1** Reproduced.
- **Figure 1** Reproduced.
- **Figure 2** Does not apply.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Figure 5** Reproduced.
- **Table 2** Reproduced.
- **Figure 6** Reproduced. There are minor changes to the title.
- **Figure 7** Reproduced.
- **Table 3** Reproduced. There is a minor modification to the order of the income group.
- **Table 4** Reproduced.
- **Figure 8** Reproduced.
- **Figure 9** Reproduced.
- **Figure 10** Reproduced.

Results in the Annex

- **Table A.1** Reproduced.
- **Figure A.1** Does not apply.
- **Figure A.2** Reproduced.
- **Figure A.3** Reproduced.
- **Figure A.4** Reproduced.
- **Figure A.5** Reproduced.
- **Table A.2** Reproduced. There are minor modifications to the order of the coefficients.