Reproducible Research Repository

Testing the promise of digital scaling: in-person vs. app-based training for women entrepreneurs

First Submission: RR_ETH_2024_227
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This review verifies the reproducibility of the exhibits included in the paper *"Testing the promise of digital scaling: in-person vs. app-based training for women entrepreneurs"*.

Contents in this review:

1. Main findings

2. List of exhibits and reproducibility status

3. Reproduction Environment

Main findings

- The code was successfully executed on a new computer after:

  1. Modifying the directory in the master_replication.do file.

- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.

- The code takes approximately 15 minutes to run.

- We conducted our reproducibility analysis based on the paper shared by the authors by email on November 14th.

- Every exhibit has been reproduced accurately.

- **Reproducibility Summary**:

  - **Data**: All data is not yet publicly available but is expected to be made available through the Microdata Library in the future.

  - **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, excluding Figure A3 in the Appendix, which was created manually in Excel.

  - **Reproducibility verification**: Reviewers had access to the same materials in the public reproducibility package. The reviewers did not verify if publicly available data matches the data in the reproducibility package.

  - **Dependencies environment**: The reviewers reproduced an existing environment for dependencies using dependency files or an environment metadata file provided by the authors.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Table 1** Reproduced.

- **Table 2** Reproduced.

- **Table 3** Reproduced.

- **Table 4** Reproduced.

- **Figure 1** Reproduced.

Results in the Annex

For the Appendix, we did not review every exhibit. Instead, we randomly selected 10 exhibits from the remaining datasets to assess the appendix. Our review was based on those 10 exhibits. Since they were chosen randomly, we are operating under the assumption that if all randomly selected exhibits are reproducible, then the rest should be as well. The seed used to generate the random selection was 750410, and the exhibits selected were:

- **Table A2** Reproduced.

- **Table A5** Reproduced.

- **Table A6** Reproduced.

- **Table A7** Reproduced.

- **Figure A8** Reproduced.

- **Table A9** Reproduced.

- **Table A10** Reproduced.

- **Table A12** Reproduced.

- **Table A13** Reproduced.

- **Figure A1** Reproduced.

Reproduction Environment

- Paper exhibits were reproduced in a computer with the following specifications:

  - OS: Windows 10 Enterprise 22H2

  - Processor: Intel(R) Xeon(R) CPU E7- 4860 @ 2.27GHz 2.26 GHz (2 processors)

  - Memory available: 16 GB

  - Software version: Stata 14 MP