



Scaling literacy instruction in fragile settings: Experimental evidence on teacher coaching

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This review verifies the reproducibility of the exhibits included in the paper “Scaling literacy instruction in fragile settings: Experimental evidence on teacher coaching”.

Contents in this review:

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2. List of exhibits and reproducibility status
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Main findings

- **Every exhibit in the main section of the paper and 10 randomly selected exhibits in the appendix were reproduced accurately**
- The code was successfully executed on a new computer after:
 1. Opening the master do file and running the code.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 2 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 1 type of data: embargoed data.
 - Reviewers used data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package. The data will be made available on the World Bank Microdata Library after the embargo is lifted.
 - *data_hash_report.csv* lists the SHA256 hashes of all files in the Data folder to support data integrity checks. Users who acquire the embargoed data can use this file to verify that the data has not been altered.
- **Reproducibility Summary:**
 - **Data:** Some data is temporarily embargoed by the authors (expected to be made public 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.
- **Dependencies environment:** The reviewers created a new environment using the latest versions of dependencies available at the moment of the review.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1** Reproduced.
- **Table 1** Reproduced.
- **Table 2** Reproduced.
- **Table 3** Reproduced.
- **Table 4** Reproduced.
- **Table 5** Reproduced.
- **Table 6** Reproduced.
- **Table 7** Reproduced.
- **Table 8** Reproduced.
- **Table 9** Reproduced.
- **Table 10** Reproduced with manual steps. The exhibit was created manually using information from the program's cost-accounting workbook, Cout_intervention_Map Li Net Ale AP.xlsx, sheet "Total".
- **Table 11** Reproduced with manual steps. The exhibit was created manually using information from the program's cost-accounting workbook, Cout_intervention_Map Li Net Ale AP.xlsx, sheet "Total".

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 [482115], the Stata version used was [18.5], and the exhibits selected were: Table A1, Table A2, Table A3, Table A6, Fig A1, Table A7, Table A10, Table A12, Table A15 and Fig A3.

- **Table A1** Reproduced.
- **Table A2** Reproduced. Some rounding differences but that does not impact reproducibility.
- **Table A3** Reproduced.
- **Table A6** Reproduced.

- **Figure A10** Reproduced with manual steps. figure was created using information from the CEEC program monitoring report ("Rapport Final"), page 37.
- **Table A7** Does not Apply. The exhibit does not show analysis.
- **Table A12** Reproduced.
- **Table A15** Reproduced.
- **Figure A3** Reproduced.

Reproduction Environment

Paper exhibits were reproduced on a computer with the following specifications:

- OS: macOS
- Chip: Apple M4 Pro
- Memory available: 24.0 GB
- Software version: Stata 19.5 MP