



Consequences of Growing Up Displaced: Evidence from Displaced Children in Colombia

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This review verifies the reproducibility of the exhibits included in the paper “*Consequences of Growing Up Displaced: Evidence from Displaced Children in Colombia*”.

Contents in this review:

1. Main findings
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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. Updating the working directory in line 24 of the do-file "master.do", and running it.
 2. Opening the R project "analysis.Rproj" and running *2.1_appendix_A.R* in R
 3. Running *2.2_appendix_B.ipynb* in python
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 5 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors in the reproducibility package on June 26th.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 1 type of data: embargoed data (forthcoming).
 - Reviewers used embargoed data (forthcoming) provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package. The data is forthcoming on the World Bank Microdata Library.
 - *data_hash_report.csv* lists the SHA256 hashes of all files in the Data folder to support data integrity checks. Users who acquire the forthcoming data can use this file to verify that the data has not been altered.

- **Reproducibility Summary:**

- **Data:** All 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

- **Table 1** Reproduced.
- **Figure 1** Reproduced.
- **Figure 2** Reproduced.
- **Table 2** Reproduced.
- **Figure 3a** Reproduced
- **Figure 3b** Reproduced
- **Figure 3c** Reproduced
- **Figure 3d** Reproduced
- **Figure 3e** Reproduced
- **Figure 3f** Reproduced
- **Table 3** Reproduced.
- **Figure 4** Reproduced.

Results in the Online Appendix

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 605834, the Stata version used was 18, and the exhibits selected were: Figure B2, C1, C2, C3, D2 Table D11, D17, D18 D21 and F12.

- **Figure B2** Reproduced.
- **Figure C1** Reproduced.
- **Figure C2** Reproduced.

- **Figure C3** Reproduced.
- **Table D11** Reproduced. Verified against *"Tables_D_mh_sisben.tex"*
- **Figure D2** Reproduced.
- **Table D17** Reproduced. Verified against *"Tables_D_mh_enroll.tex"*
- **Table D18** Reproduced. Verified against *"Tables_D_bmi_enroll.tex"*
- **Table D21** Reproduced.
- **Table F12** Reproduced.

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: INTEL(R) XEON(R) PLATINUM 8562Y+ 2.80 GHz (2 processors)
- Memory available: 32.0 GB
- Software version: R 4.5.2 ,Stata 19.5 MP, Python 3.10