



From Shadows to Society: Medium-Run Effects of Regularization on Forced Migrants in Colombia.

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This review verifies the reproducibility of the exhibits included in the paper “*From Shadows to Society: Medium-Run Effects of Regularization on Forced Migrants in Colombia.*”.

Contents in this review:

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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 main do file inside the code folder 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 3.5 hours 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 2 types of data: open and forthcoming data.
 - Open data is included in the public reproducibility package.
 - Reviewers used forthcoming data 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/accessible/limited-access/restricted data can use this file to verify that the data has not been altered.
- **Reproducibility Summary:**
 - **Data:** Some data is not yet publicly available but is expected to be made available through the World Bank 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.
- **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.
- **Figure 2** Reproduced.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Figure 5** Reproduced.
- **Table 1** Reproduced.
- **Table 2** Reproduced. This table matches `tabA_balance_full.tex` in the `appendix/` folder
- **Table 3** Reproduced. There is a minor difference in BH q-value Sense of belonging, but it is well below the 1 percent threshold. The exhibit is reproducible.
- **Table 4** Reproduced. There are minor differences in BH q-values, but they are well below the 1 percent threshold. The exhibit is reproducible.
- **Table 5** Reproduced. There is a minor difference in the Well-being index Mean of dep. var. (control), but it is well below the 1 percent threshold. The exhibit is reproducible.
- **Table 6** Reproduced.
- **Table 7** Reproduced. There are minor differences in BH q-values for Log weekly hours, and Mean of dep. var. (control) for Employed [=1] [Ind.], but they are well below the 1 percent threshold. The exhibit is reproducible.
- **Table 8** Reproduced. There is a minor difference in the Food security index (SD), but it is well below the 1 percent threshold. The exhibit is reproducible.
- **Table 9** Reproduced. There are minor differences in BH q-values for Housing quality index (SD) [Ind.], Has electricity [=1] [Ind.] and Mean of dep. var. (control) for Has sewage [=1] [Ind.], but they are well below the 1 percent threshold. The exhibit is reproducible.
- **Table 10** 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 186265, the Stata version used was 19.5, and the exhibits selected were: Table A2, Table A3, Figure B1, Table B5, Table B7, Table B12, Table B17, Table C19, Figure D2, Table D24

- **Table A2** Reproduced.
- **Table A3** Reproduced.
- **Figure B1** Reproduced.
- **Table B5** Reproduced.
- **Table B7** Reproduced.
- **Table B12** Reproduced.
- **Table B17** Reproduced.
- **Table C19** Reproduced.
- **Figure D2** Reproduced.
- **Table D24** Reproduced.

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: Intel(R) Xeon(R) Gold 5218 CPU @ 2.30GHz (2.30 GHz) (2 processors)
- Memory available: 16 GB
- Software version: Stata 19.5 MP