



Gender and poverty in Latin America and the Caribbean. An analysis through the life cycle

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This review verifies the reproducibility of the exhibits included in the paper “*Gender and poverty in Latin America and the Caribbean. An analysis through the life cycle*”.

Contents in this review:

1. Main findings
2. List of exhibits and reproducibility status
3. Reproduction Environment

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. Changing the file paths in the main do file
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 40 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors in the reproducibility package.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on two types of data: open and restricted.
 - Open data is included in the public reproducibility package.
 - Reviewers used restricted data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package.
 - *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 restricted and has not been included in the reproducibility package. For more details, please refer to the README file.
- **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** Results reproduced, but table or figure includes manual changes from code output.
- **Table 2** Does not show analysis results
- **Table 3** Results reproduced, but table or figure includes manual changes from code output.
- **Figure 1** Results reproduced, but table or figure includes manual changes from code output.
- **Figure 2** Results reproduced, but table or figure includes manual changes from code output.
- **Table 4** Results reproduced, but table or figure includes manual changes from code output.
- **Table 5** Results reproduced, but table or figure includes manual changes from code output.
- **Table 6** Results reproduced, but table or figure includes manual changes from code output.
- **Table 7** Results reproduced, but table or figure includes manual changes from code output.
- **Table 8** Results reproduced, but table or figure includes manual changes from code output.
- **Figure 3** Results reproduced, but table or figure includes manual changes from code output.
- **Figure 4** Results reproduced, but table or figure includes manual changes from code output.

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 712054, the Stata version used was 18.5, and the exhibits selected were: 7, 8, 10, 11, 13, 14, 17, 19, 26, 28.

- **Figure A7** Results reproduced, but table or figure includes manual changes from code output.
- **Figure A8** Results reproduced, but table or figure includes manual changes from code output.
- **Figure A10** Results reproduced, but table or figure includes manual changes from code output.
- **Figure A11** Results reproduced, but table or figure includes manual changes from code output.

- **Figure A13** Results reproduced, but table or figure includes manual changes from code output.
- **Figure A14** Results reproduced, but table or figure includes manual changes from code output.
- **Figure A17** Results reproduced, but table or figure includes manual changes from code output.
- **Figure A19** Results reproduced, but table or figure includes manual changes from code output.
- **Figure A26** Results reproduced, but table or figure includes manual changes from code output.
- **Figure A28** Results reproduced, but table or figure includes manual changes from code output.

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: Intel(R) Core(TM) i3-1115G4 CPU @ 2.60GHz
- Memory available: 7 GB
- Software version: Stata 18.5 MP