



Children in Monetary Poor Households: Global, Regional, and Select National Trends in the Progress against Child Poverty

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This review verifies the reproducibility of the exhibits included in the paper “*Children in Monetary Poor Households: Global, Regional, and Select National Trends in the Progress against Child Poverty*”.

Contents in this review:

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

Main findings

- **Every exhibit has been reproduced accurately.**
- The code was successfully executed on a new computer after:
 1. Changing the path in the main 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 1 hour to run.
- We conducted our reproducibility analysis based on the published paper available here.
- **Note:** When running the code on the replicator’s Mac computer, minor differences were observed due to encoding issues for Côte d’Ivoire and Türkiye. As a result, the figures for Sub-Saharan Africa and Central Europe also show slight variations. These differences are minimal and were successfully reproduced virtually during a verification conducted on November 6 on a Windows machine.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 2 types of data: open and limited-access (available to World Bank Staff who request and are granted access to the data).
 - Open data is included in the public reproducibility package.
 - Reviewers used limited-access 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 limited-access data can use this file to verify that the data has not been altered.
- **Reproducibility Summary:**
 - **Data:** Some data is limited-access and it is not included in the reproducibility package.
 - **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.(virtually for SSA and ECA)
- **Figure 6** Reproduced. (virtually for SSA and ECA)
- **Figure 7** Reproduced. (virtually for SSA and ECA)
- **Table 1** textcolorOliveGreenReproduced. (virtually for SSA and ECA)
- **Table 2** textcolorOliveGreenReproduced. (virtually for SSA and ECA)
- **Figure 8** Reproduced. Figure includes minor manual adjustments. The underlying data are produced by the code and subsequently sent to the World Bank’s Cartography Unit for final visualization. Since the data were successfully reproduced, the figure is considered reproducible.
- **Figure 9** Reproduced. Figure includes minor manual adjustments. The underlying data are produced by the code and subsequently sent to the World Bank’s Cartography Unit for final visualization. Since the data were successfully reproduced, the figure is considered reproducible.
- **Table 3** Reproduced.
- **Table 4** Reproduced.

Results in the Annex

- **Table A1** Reproduced.
- **Table A2** Reproduced.

- **Table A3** Reproduced. (virtually for SSA and ECA)
- **Table A4** Reproduced. (virtually for SSA and ECA)
- **Table A5** Reproduced. (virtually for SSA and ECA)
- **Table A6** Reproduced. (virtually for SSA and ECA)
- **Figure A1** Reproduced.
- **Figure A2** Reproduced.
- **Figure B1** Reproduced. (virtually for SSA and ECA)
- **Table B1** Reproduced.
- **Table C1** Reproduced.
- **Table C2** Reproduced.

Reproduction Environment

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

1. Replicators:

- OS: macOS Sequoia
- Processor: Apple M4 Pro
- Memory available: 24 GB
- Software version: Stata 18.0 MP

2. Authors:

- OS: Windows 11 Enterprise
- Processor: Intel(R) Core(TM) Ultra 7 165U, 2100 Mhz, 12 Core(s), 14 Logical Processor(s)
- Memory available: 32.0 GB
- Software version: Stata 18.0 MP