



## Reproducible Research Repository

### *The 2021 PPPs and global poverty: The role of better consumption surveys*

First Submission: RR\_WLD\_2025\_346

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This review verifies the reproducibility of the exhibits included in the paper “*The 2021 PPPs and global poverty: The role of better consumption surveys*”.

#### **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. Updating the working directory.
- 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 package.
- **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.
  - **Reproducibility verification:** Reviewers used data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package. The reviewers verified that publicly available data matches the data provided by the authors.
  - **Dependencies environment:** The reviewers reproduced an existing environment for dependencies using dependency files or an environment metadata file provided by the authors.

*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.
- **Table 1** Reproduced.
- **Table 2** Reproduced.
- **Table 3** Reproduced.
- **Table 4** Reproduced.
- **Table 5** Reproduced.

**Results in the Annex**

For the Appendix, we did not review every exhibit. Instead, we randomly selected 10 exhibits from the remaining exhibits 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 839228, the Stata version used was 18, and out of 34 exhibits in the appendix, the exhibits selected were: Figure A1, Figure A2, Table A3, Table A10, Table C1, Table C2, Table C4, Table C6, Figure C6, and Figure C10.

- **Figure A1** Reproduced.
- **Figure A2** Reproduced.
- **Table A3** Reproduced.
- **Table A10** Reproduced.
- **Table C1** Reproduced.
- **Table C2** Reproduced.
- **Table C4** Reproduced.
- **Table C6** Reproduced.
- **Figure C6** Reproduced.
- **Figure C10** Reproduced.

*Reproduction Environment*

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

- OS: Windows 10 Enterprise
- Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz 2.90 GHz (2 processors)
- Memory available: 32.0 GB
- Software version: Stata 18.0 MP