



What do Small and Informal Household Enterprises Want?

First Submission: RR_AFR_2025_427

Luis Eduardo San Martin

reproducibility@worldbank.org

September 19, 2025

This review verifies the reproducibility of the exhibits included in the paper ‘*What do Small and Informal Household Enterprises Want?*’.

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 global main with the local folder path in the do-file *oo_MasterDo.do*
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 10 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors by email on September 15, 2025.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 1 types of data: forthcoming data (to be made publicly available in the future).
 - Reviewers used 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 data can use this file to verify that the data has not been altered.
- **Reproducibility Summary:**
 - **Data:** All data is forthcoming and has not been 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

- **Table 1** Reproduced.
- **Table 2** Reproduced.
- **Table 3** Reproduced.
- **Table 4** Reproduced.
- **Table 5** Reproduced.
- **Table 6** Reproduced.
- **Table 7** Reproduced.
- **Table 8** Reproduced.
- **Table 9** Reproduced.
- **Table 10** Reproduced.
- **Table 11** Reproduced.
- **Table 12** Reproduced.
- **Table 13** Reproduced.
- **Table 14** Reproduced.
- **Figure 1-a** Reproduced.
- **Figure 1-b** Reproduced.
- **Figure 1-c** Reproduced.
- **Figure 1-d** Reproduced.
- **Figure 2-a** Reproduced.
- **Figure 2-b** Reproduced.
- **Figure 2-c** Reproduced.
- **Figure 2-d** Reproduced.
- **Figure 2-e** Reproduced.

- **Figure 2-f** Reproduced.
- **Figure 2-g** Reproduced.
- **Figure 2-h** Reproduced.
- **Figure 3-a** Reproduced.
- **Figure 3-b** Reproduced.
- **Figure 3-c** Reproduced.
- **Figure 3-d** Reproduced.
- **Figure 3-e** Reproduced.
- **Figure 3-f** Reproduced.
- **Figure 4-a** Reproduced.
- **Figure 4-b** Reproduced.
- **Figure 4-c** Reproduced.
- **Figure 5-a** Reproduced.
- **Figure 5-b** Reproduced.
- **Figure 5-c** 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 , the Stata version used was 18.0, and the exhibits selected were: Table A3, Table A4, Table A5, Table A9, Figure A1-d, Figure A2-e, Figure A3-b, Figure A3-d, Figure A3-f, Figure A6-a.

- **Table A3** Reproduced.
- **Table A4** Reproduced.
- **Table A5** Reproduced.
- **Table A9** Reproduced.
- **Figure A1-d** Reproduced.
- **Figure A2-e** Reproduced.
- **Figure A3-b** Reproduced.
- **Figure A3-d** Reproduced.
- **Figure A3-f** Reproduced.
- **Figure A6-a** Reproduced.

Reproduction Environment

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

- OS: Windows 11 Enterprise, version 24H2
- Processor: Intel(R) Core(TM) Ultra 7 165U (2.10 GHz)
- Memory available: 32 GB
- Software version: Stata 18.5 MP-Parallel Edition