



Are Unit Values Reliable Proxies for Prices? Implications of Better Price Data for Household Consumption Measurement in a Low-Income Context

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This review verifies the reproducibility of the exhibits included in the paper “*Are Unit Values Reliable Proxies for Prices? Implications of Better Price Data for Household Consumption Measurement in a Low-Income Context*”.

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Main findings

- 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 two hours to run.
- We conducted this reproducibility analysis based on the paper shared by the authors in the reproducibility package on March 29.
- Every exhibit has been reproduced accurately.
- **Reproducibility Summary:**
 - **Data:** All data sources are publicly available and included in the package.
 - **Code:** All code files, from cleaning to analysis, are included in the package.
 - **Outputs:** All outputs are generated by code included in the reproducibility package.
 - **Reproducibility verification:** Reviewers had access to the same materials in the public package.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Table 1** Reproduced
- **Figure 1** Reproduced
- **Table 2** Reproduced
- **Table 3** Reproduced
- **Table 4** Reproduced
- **Table 5** Reproduced
- **Table 6** Does not show analysis results.
- **Figure 2** Reproduced
- **Figure 3** Reproduced
- **Table 7** Reproduced
- **Figure 4** Reproduced
- **Table 8** Reproduced
- **Table 9** Reproduced
- **Table 10** Reproduced
- **Table 11** Reproduced
- **Table 12** Reproduced
- **Table 13** Reproduces
- **Table 14** Reproduced
- **Table 15** Reproduced Values are spread across multiple tables in the file *Table15_16_20_A19.xlsx*
- **Table 16** Reproduced Values are spread across multiple tables in the file *Table15_16_20_A19.xlsx*
- **Table 17** Reproduced
- **Table 18** Reproduced
- **Table 19** Reproduced
- **Table 20** Reproduces. We reviewed the file *Table15_16_20_A19.xlsx*, which displays values with more decimal places than those presented in the paper. However, when rounded to the same number of decimal places as in the paper, the values match exactly.
- **Table 21** Reproduced.

- **Table 22** Reproduced.

Results in the Annex

- **Table A1** Reproduces.
- **Table A2** Does not apply
- **Table A3** Reproduced.
- **Table A4** Reproduced.
- **Table A5** Reproduced.
- **Table A6** Reproduced.
- **Table A7** Reproduced.
- **Table A8** Reproduced.
- **Table A9** Does not apply.
- **Table A10** Reproduced.
- **Table A11** Reproduced.
- **Table A12** Reproduced.
- **Table A13** Reproduced
- **Table A14** Reproduced.
- **Table A15** Reproduced.
- **Table A16** Reproduced.
- **Table A17** Reproduced.
- **Table A18** Reproduced.
- **Table A19** Reproduced.
- **Table A20** Reproduced.

Reproduction environment

- Paper exhibits were attempted to be reproduced in a computer with the following specifications:
 - OS: Windows 11 Enterprise
 - Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
 - Memory available: 15.7 GB
 - Software version: Stata version 18.