



## *Measuring Poverty in Tanzania: A Comparison of Diary and Recall Approaches to Food Consumption Data Collection*

*First Submission: RR\_WLD\_2024\_174\_v3*

*Aditya Udaygiri, Mahin Tariq  
reproducibility@worldbank.org*

*August 19th, 2024*

This review verifies the reproducibility of the exhibits included in the paper "*Measuring Poverty in Tanzania: A Comparison of Diary and Recall Approaches to Food Consumption Data Collection*".

### **Contents in this review:**

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

### *Main findings*

- The code was successfully executed on a new computer after:
  1. Changing the file paths in the main do file
  2. Setting the ado folder.
  3. Running the line: `sysdir set PLUS "path"`
  4. Installing stata packages "tabstatmat" and "outreg"
- 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 with us over email on August 19th.
- Every exhibit has been reproduced accurately.
- **Reproducibility Summary:**
  - **Data:** All data sources are publicly available but 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.
  - **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 did not verify if publicly available data matches the data provided by the authors.
  - **Dependencies environment:** The reviewers created a new environment for dependencies using the latest versions available for each dependency 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. The line in the paper exhibit is red, while the line in the code output is dashed and black. Since the rest of the figure is identical, this is considered reproducible.
- **Table 0** Does not show analysis results
- **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 10a** Reproduced.
- **Table 10b** Reproduced.
- **Table 11a** Reproduced.
- **Table 11b** Reproduced.
- **Table 12a** Reproduced.
- **Table 12b** Reproduced.

#### *Reproduction Environment*

- Paper exhibits were 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