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

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Overview

The code in this replication package takes the analytical data already prepared using datafiles from the Public version of the Tanzania Household Consumption Methodological Study implemented between May – July, 2022. The 2022 Tanzania Household Consumption Methodological Study is a multi-topic household survey designed to test five different versions of consumption. Following the completion of fieldwork, the Raw Data was cleaned to improve the quality and also ensure that all Personal Identification Information (PII) were removed from the public version to maintain the confidentiality of our respondents. The replicator should take approximately 10 minutes to finish.

Data Availability and Provenance Statements

The data used for the analysis in this paper is yet to be made public, thus, only the curated analytical files are included in this replication package. Once all clearances have been obtained, the Public Datafiles will be available in the World Bank Microdata library where users will be able to download and use for any applicable research.

Statement about Rights

- [X] I certify that the author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.

Summary of Availability

- [X] All data are **not yet** publicly available.

Dataset list

- The following data files are forthcoming and will be available to download from World Bank's Microdata Library. Once users have access, download the following files and save them in "Data" folder.

Datafile	Note	Provided
cons_analysis.dta	Contains basic demographic and household information, consumption components, final consumption & welfare variables	No
cons_analysis_item.dta	Contains information at the food-item level (Table 4)	No
cons_analysis_day.dta	Contains information at the day-level on total food expenditure, and food expenditure in and outside the home (Figure 1)	No
food_cat_012.dta	Contains group-level food consumption information (Table 8)	No

Computational requirements

Stata 18 should be used to run the codes.

Description of programs/code

- Dofile **00_globals.do** will create all *global* directory for running the package.

- Dofile **01_Descriptive Tables.do** generates Table 1-10 included in the research paper; this do-file is primarily for output and does not include any technical analysis.

  – The specific code lines that must be run to produce corresponding Tables/Figures are preceded with a comment, starting with "// Figure # or Table #.".

  – Note that the Excel file "Tables – Tanzania Household Consumption Study" contains the shells for tables 1-10. Thus, once the commands for tables 1-10 are run, they will automatically populate the content of these tables.

- Dofile **02_Regressions Tables.do** runs the regression analysis.

  – For Tables 11a – 12b, the *outreg2* command exports the results to .xls file format. To see the results, open the applicable .xls file in the Tables directory and check columns model 1, model 2, model 3, etc. You can also click on the "Names.xls" text displayed on the main Stata interface following the execution of the command.

- Finally, dofile **03_run_all.do** can be used if one wants to run all the dofiles with a single click.

Instructions to Replicators

To run the program, follow the steps below:

- Copy the "PRWP Reproducibility Package" folder into a location on your (e.g., Documents, Desktop, etc.)

- In the Dofiles folder, open "**00_globals.do**" and change the *base* directory on line 14-16 to reflect the directory where you saved the "PRWP Reproducibility Package."

- Now run the globals dofile

- Following this, you can either run all the dofiles jointly, or separate. To run them jointly, just open the "04_run_all" dofiles in the same dofile interface as the "00_globals". Alternatively, one can open each individual dofile (1-3) and run them separately.

- Note that if running the dofiles individually, the order is important. All dofiles are numbered, and should be run in the order in which they are.

List of tables and programs

The provided code reproduces:

- [X] All tables and a few figures in the paper, as explained and justified below.

Figure/Table #	Program	Line #	Note
Figure 1	02_Descriptive Tables	1383-1418	
Figure 2	02_Descriptive Tables	1424-1437	
Figure 3	02_Descriptive Tables	1443-1450	
Table 1	02_Descriptive Tables	41-258	Mean time of completion of food module (code is not included in dofile)
Table 2	02_Descriptive Tables	264-431	
Table 3	02_Descriptive Tables	437-491	
Table 4	02_Descriptive Tables	497-515	Cumulative percentage computed in the Excel file.
Table 5	02_Descriptive Tables	521-688	
Table 6	02_Descriptive Tables	694-749	
Table 7	02_Descriptive Tables	756-830	
Table 8	02_Descriptive Tables	839-1017	
Table 9	02_Descriptive Tables	1023-1071	
Table 10	02_Descriptive Tables	1077-1319	
Table 10B	02_Descriptive Tables	1325-1376	
Table 11A	03_Regressions Tables	39-89	
Table 11B	03_Regressions Tables	92-142	
Table 12A	03_Regressions Tables	146-196	
Table 12B	03_Regressions Tables	200-250	

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