

README for Reproducing Results

Reproducible Package: “The Impact of Mobile Money Levy on Household Welfare: Evidence from

Tanzania” Overview

This **README** file provides step-by-step instructions for reproducing the results presented in our paper. The folder structure is organized to streamline the process, with specific directories for outputs, data, and code. Please follow the instructions carefully to ensure the accurate replication of our results.

Folder Structure

1. **Mobile Money**: Folder to reproduce analysis.
 - **code**: STATA code to reproduce the analysis
 - **data-clean**: Contains fully processed data
 - **data-raw**: Contains the original, unprocessed data
 - **docs**: Contains relevant documents
 - **results**: Contains the tables generated from the analysis

Prerequisites

To successfully run this reproducible package, STATA must be installed on your computer:

Steps to Reproduce Results

1. Clone or download this repository to your local machine.
2. Open the **code/** folder in the replication package.
3. Run 00_master.do to obtain all the output at once (after changing the path).
Alternatively, run the STATA code in the following order (don't forget to change the path):
 - 01_data_prep.do
 - 02_regressions.do

- 03_sum_mech.do
- 04_mathcing.do
-

4. The output generated by the analysis will be saved in the **results/** folder

Data Availability Statement Data Sources and Access

I certify that the author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript. Access was obtained in July 2024.

- **NPS_4.dta (National Panel Survey – Wave 4 (2014–2015)):**

The fourth wave of Tanzania’s National Panel Survey (2014–2015) collected nationally representative data to track poverty, agriculture, and household welfare. Conducted by the National Bureau of Statistics, it used a stratified, multi-stage sampling design. Data files:

- NPS_4/AG_FILTERS.dta
- NPS_4/AG_NETWORK.dta
- NPS_4/AG_SEC_01.dta
- NPS_4/AG_SEC_10.dta
- NPS_4/AG_SEC_11.dta
- NPS_4/AG_SEC_12A.dta
- NPS_4/AG_SEC_12B.dta
- NPS_4/AG_SEC_2A.dta
- NPS_4/AG_SEC_2B.dta
- NPS_4/AG_SEC_3A.dta
- NPS_4/AG_SEC_3B.dta
- NPS_4/AG_SEC_4A.dta
- NPS_4/AG_SEC_4B.dta
- NPS_4/AG_SEC_5A.dta
- NPS_4/AG_SEC_5B.dta
- NPS_4/AG_SEC_6A.dta
- NPS_4/AG_SEC_6B.dta
- NPS_4/AG_SEC_7A.dta
- NPS_4/AG_SEC_7B.dta
- NPS_4/AG_SEC_A.dta
- NPS_4/COM_OS.dta

- NPS_4/COM_SEC_A1A2.dta
- NPS_4/COM_SEC_CB.dta
- NPS_4/COM_SEC_CC.dta
- NPS_4/COM_SEC_CD.dta
- NPS_4/COM_SEC_CE.dta
- NPS_4/COM_SEC_CF.dta
- NPS_4/COM_SEC_CF_ID.dta
- NPS_4/COM_SEC_CG.dta
- NPS_4/consumptionNPS4.dta
- NPS_4/HH_FILTERS.dta
- NPS_4/HH_SEC_A.dta
- NPS_4/HH_SEC_B.dta
- NPS_4/HH_SEC_C.dta
- NPS_4/HH_SEC_D.dta
- NPS_4/HH_SEC_E.dta
- NPS_4/HH_SEC_F.dta
- NPS_4/HH_SEC_G.dta
- NPS_4/HH_SEC_H.dta
- NPS_4/HH_SEC_I.dta
- NPS_4/HH_SEC_J1.dta
- NPS_4/HH_SEC_J3.dta
- NPS_4/HH_SEC_J4.dta
- NPS_4/HH_SEC_K.dta
- NPS_4/HH_SEC_L.dta
- NPS_4/HH_SEC_M.dta
- NPS_4/HH_SEC_N.dta
- NPS_4/HH_SEC_O1.dta
- NPS_4/HH_SEC_O2.dta
- NPS_4/HH_SEC_P.dta
- NPS_4/HH_SEC_Q1.dta
- NPS_4/HH_SEC_Q2.dta
- NPS_4/HH_SEC_R.dta
- NPS_4/HH_SEC_S.dta
- NPS_4/HH_SEC_U2.dta
- NPS_4/HH_SEC_V.dta
- NPS_4/LF_FILTERS.dta
- NPS_4/LF_NETWORK.dta

- NPS_4/LF_SEC_01.dta
- NPS_4/LF_SEC_02.dta
- NPS_4/LF_SEC_03.dta
- NPS_4/LF_SEC_04.dta
- NPS_4/LF_SEC_05.dta
- NPS_4/LF_SEC_06.dta
- NPS_4/LF_SEC_07.dta
- NPS_4/LF_SEC_08.dta
- NPS_4/LF_SEC_09.dta
- NPS_4/LF_SEC_11A.dta
- NPS_4/LF_SEC_11B.dta
- NPS_4/LF_SEC_12.dta
- NPS_4/LF_SEC_13A.dta
- NPS_4/LF_SEC_13B.dta
- NPS_4/LF_SEC_A.dta
- NPS_4/NPSY4.CHILD.ANTHRO.dta

- **NPS_5.dta (National Panel Survey – Wave 5 (2019–2020)):**

The sample for the fifth wave consisted of the 3,352 households corresponding to 419 clusters from the fourth wave sample. The fifth wave also consisted of a new selection of 545 households to improve representation in major urban areas. Data files:

- NPS_5/consumption_real_y5.dta
- NPS_5/HH_SEC_A.dta
- NPS_5/HH_SEC_B.dta
- NPS_5/HH_SEC_C.dta
- NPS_5/HH_SEC_D.dta
- NPS_5/HH_SEC_E1.dta
- NPS_5/HH_SEC_E2.dta
- NPS_5/HH_SEC_E3.dta
- NPS_5/HH_SEC_F.dta
- NPS_5/HH_SEC_G.dta
- NPS_5/HH_SEC_H.dta
- NPS_5/HH_SEC_I.dta
- NPS_5/HH_SEC_I2.dta
- NPS_5/HH_SEC_J1.dta
- NPS_5/HH_SEC_J3.dta
- NPS_5/HH_SEC_J4.dta

- NPS_5/HH_SEC_JA1.dta
- NPS_5/HH_SEC_K.dta
- NPS_5/HH_SEC_L.dta
- NPS_5/HH_SEC_M.dta
- NPS_5/HH_SEC_N.dta
- NPS_5/HH_SEC_O1.dta
- NPS_5/HH_SEC_O2.dta
- NPS_5/HH_SEC_P.dta
- NPS_5/HH_SEC_Q1.dta
- NPS_5/HH_SEC_Q2.dta
- NPS_5/HH_SEC_R.dta
- NPS_5/HH_SEC_S.dta
- NPS_5/HH_SEC_U2.dta
- NPS_5/HH_SEC_V.dta

- **analysis_dataset.dta:**

Data from Tanzania's high frequency welfare monitoring survey.

Restrictions and Terms of Use

- The **microdata is not included** in this package due to access restrictions.
- You can **freely download** the raw datasets after registration from Tanzania's National Data Archive: <https://microdata.nbs.go.tz/index.php/home>

Troubleshooting

If you encounter any issues, please:

- Ensure STATA can access the appropriate directories. Use absolute paths if needed.
- Verify that all required user-written STATA commands are installed.
- Check for typos or path errors in the .do files.
- If a script fails, run earlier scripts to ensure inputs were generated correctly.
- Read any error messages carefully — they often provide helpful clues.

Conclusion

By following these steps, you should be able to accurately reproduce the results from our paper.

Contact

If you have any questions or issues with the replication package, please contact the authors: Dhiraj Sharma, and Revocatus Paul at **rpaul4@worldbank.org**.