Disaster Risk Preparedness of Households in The Caribbean

Overview

The code in this replication package constructs the analysis file from the data sources using Stata. One main file runs all the code necessary to generate the data for 4 figures and 5 tables as presented in the paper. The replicator should expect the code to run for about 1 minute.

Data Availability and Provenance Statements

The data used in this paper was sourced from the World Bank's Microdata Library high-frequency phone surveys catalogue, available at World Bank Microdata Library (https://microdata.worldbank.org/index.php/catalog/hfps/?page=1&ps=15&repo=hfps). These surveys, produced and made publicly available by the World Bank, were collected in multiple waves for certain countries from 2021 to 2023. The analysis in this paper covers the following countries: Belize, Haiti, Saint Lucia, Dominica, and Suriname.

Dataset list

Data file	Source	Notes
501_casos_clean.dta	WB Microdata Library	Public. Belize Wave 1
509_casos_clean.dta	WB Microdata Library	Public. Haiti Wave 1
758_casos_clean.dta	WB Microdata Library	Public. Saint Lucia Wave 1
767_casos_clean.dta	WB Microdata Library	Public. Dominica Wave 1
501_ph2w2_casos_library.dta	WB Microdata Library	Public. Belize Wave 2
509_ph2w2_casos_library.dta	WB Microdata Library	Public. Haiti Wave 2
758_ph2w2_casos_library.dta	WB Microdata Library	Public. Saint Lucia Wave 2
767_ph2w2_casos_library.dta	WB Microdata Library	Public. Dominica Wave 2
SRN_cases_with_weights_v2.dta	WB Microdata Library	Soon available. Suriname

Computational requirements
- Stata (code was last run with version 18)

    - Stata package: outreg2

Description of programs/code
- The program Code.do extracts and reformats all datasets referenced above. It appends all country datasets into a single dataset, recodes variables essential for the analysis, and provides the data needed to generate all tables and four figures presented in the main body of the article.

- Running Code.do requires the package *outreg2*. *Outreg2* simplifies the process of exporting regression results into tables.

Instructions to Replicators

- Download all the data files referenced above from the World Bank's Microdata Library. Create a main directory named *Data*. Within the Data directory, create two subfolders: *Wave 1* and *Wave 2*. Store all Wave 1 datasets in the *Wave 1* folder. Store all Wave 2 datasets in the *Wave 2* folder. The Suriname dataset which is a single wave will go under the *Wave 2* folder.

- Edit Code.do (line 5-7) to adjust the default path.

- Install outreg2 using the *ssc install outreg2* command.

- Run Code.do to run all steps in sequence.

Details

- Line 14-18 of Code.do: Ensure that the Suriname data aligns with the other Wave 2 datasets.

- Line 21-50 of Code.do: Convert specified variables from string format to numeric format using *destring*, then append these datasets to create combined Wave 1 and Wave 2 datasets.

- Line 53-61 of Code.do: Incorporate specific sections from Wave 1 into the combined dataset for Wave 2. All Wave 2 variables start with "v", while variables associated with Suriname begin with "u". Variables originally starting with "u" in Wave 1 surveys were renamed to start with "x" to distinguish them from Suriname variables.

- Line 72-568 of Code.do: Generate and recode the selected variables intended for analysis. This typically involves creating new variables filled with data from Wave 2, followed by Suriname data, and occasionally integrating data from Wave 1 where needed.

- Line 573-589 of Code.do: Use the *summarize* and *tabstat* commands to produce statistical summaries, which are subsequently copied into Excel to generate Figures 2 to 4 and Table 1.

- Line 592-616 Code.do: Use *outreg2* to produce an excel files containing regression results for Table 2 through Table A2.1.

List of tables and programs

The provided code reproduces all tables and figures in the paper.

Figure/Table #	Program	Line Number	Output file
Table 1	`Code.do`	586	No output file
Table 2	`Code.do`	589	No output file
Table 3	`Code.do`	592-598	Table3.xls
Table 4	`Code.do`	601-604	Table4.xls
Table A2.1	`Code.do`	607-610	TableA21.xls
Figure 2	`Code.do`	574	No output file
Figure 2	`Code.do`	577	No output file
Figure 3	`Code.do`	580	No output file
Figure 4	`Code.do`	583	No output file