Replication of Glass Walls: Experimental Evidence on Constraints faced by Women in Accessing Valuable Skilling Opportunities

by

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A. Overview

1. Code Folder

Analysis Code Sub-Folder

There are three types of files:

1) 0_ master_script.do – sets globals, runs programs called by table scripts, and runs all the tables and figures in the paper
2) table_{*number*}.do – replicates tables with the specific number. Those with appx or appx b before the number are from the Main Appendix and Appendix B. Note that there are no tables to be replicated in Appendix A.
3) figure_{*number*}.do - replicates figures with the specific number. Note that there are no figures to be replicated in appendices.

Programs Sub-Folder

There are two types of files:

1) all_programs.do – initializes all programs in the directory
2) program files:
    a. texout3.do – creates table input and notes files made using esttab
    b. compiletex.do – compiles input, notes, and table styling to pdf
    c. make_summary_stats.do – generates summary statistics for analysis and impact data
    d. make_gender_equity_graphs.do – contains programs to process data and format graphs 1-5 for Appendix Figure B1

Matrix Programs Sub-Folder

There is one file type:

1) matrix_{*letter}*.do – these .do files take stored estimation results and reorients them so that the outocmes are listed in the rows and the covariates are in the columns. Files with a number or other title modifyer after the letter are variations on the original that allow different data structures to be input.

2. Data Folder

All data for tables and figures are in this folder. It has two sub-folders described below in text and also in table format at the end of the section.

Analysis Data Sub-Folder

This folder has two types of files and one sub-folder:

1) Our main analysis data - prepped_data_v4.dta
    a. Table-specific variations to the main analysis data
        i. data_table_appx_5.dta
        ii. data_table_appx_6.dta
        iii. data_table_appx_7.dta
        iv. data_table_appx_b1.dta
        v. data_table_appx_b2_b3_balance.dta
        vi. data_table_appx_b5.dta
        vii. data_table_appx_b8.dta
        viii. data_table_appx_b9.dta
2) Auxiliary data that add detail to enable analyses
    a. cluster-settlement conversion.dta
    b. Master_Visit4.dta
    c. village coordinates.xlsx
3) Sub-folder for Appendix Figure B1 data
    a. Contains further subfolders for survey questions on women's agency and mobility from the World Bank, but omits the World Values Survey data, as their license requires that it be downloaded directly from their website. See Section B, "Data Availability" for download instructions.
        i. The World Bank Female Mobility Indicators
            1. adolescent_fertility_rate.xlsx
            2. employment_to_population ratio_15_plus_female.xls
            3. labor_force_participation_rate_female.xls
            4. primary_completion_rate_female.xls
            5. school_enrollment_primary_female_percent_gross.xls

ii. The World Bank Women Mobility Safety Indicators GDPpc
    1. Women, Business and the Law Mobility Indicator Score (scale 1-100).xls
    2. Metadata.csv

Impact Data Sub-Folder

This folder has 1 file:

1) Our main impact data
    a. gw_impact_data.dta

3. Tables & Figures Folder

The "tables_figures" folder and its sub-folders are empty. Tables and figures generated with the replication code are output here.

B. Data Availability

Except for the World Bank and the World Values Survey data used for Appendix Figure B1, all data are primary data collected as part of the study.

Access to the World Values Survey can be found here:
To download the data, click on the link: https://doi.org/10.14281/18241.24

- Select the full cross-national survey or individual country data (listed on the right side).

The World Bank Data are included in the replication package for the indicators we use. The Womens Mobility Indicator data can also be accessed using STATA's wbopendata package using the following wbopendata code:

"wbopendata, indicator(SG.LAW.INDX.MO; SG.VAW.REAS.ZS; SG.VAW.1549.ZS; NY.GDP.PCAP.KD) long clear"

- Or online: https://genderdata.worldbank.org/en/indicators

C. Statement About Rights

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

D. Instrucitons for Replicators

Run the globals contained in 0_master_script.do and then select individual, multiple, or all tables and figures listed to run the code.

Note that the root global in 0_master_script.do assumes that the replication package is located on your desktop. Update this global to the location of the replication package and the rest of the code will run.

E. Memory and Runtime Requirements

The code was last run on an Apple M2 Pro laptop with 32 GB of RAM and macOS Sequoia 15.3.2 with a runtime of 3 mins 47 seconds.

F. References

The World Bank. (2022). "World Development Indicators." URL: http://data.worldbank.org/data-catalog/world-development-indicators

Haerpfer, C., Inglehart, R., Moreno, A., Welzel, C., Kizilova, K., Diez-Medrano J., M. Lagos, P. Norris, E. Ponarin & B. Puranen (eds.). 2022. World Values Survey: Round Seven – Country-Pooled Datafile Version 6.0.0. Madrid, Spain & Vienna, Austria: JD Systems Institute & WVSA Secretariat. doi:10.14281/18241.24.