READ ME

Overview

This file describes the procedures that are needed to replicate the results for the working paper "Gender Discrimination in Entrepreneurial Finance: Experimental Evidence from Ethiopia" published in the *World Bank Policy Research Working Paper Series* by N. Buehren and S. Papineni. The code in this replication package constructs the analysis files using Stata.

Replication folder directory

This project is organized into several key folders. "Data" contains "0_UsingData" which holds the unprocessed, original datasets, '1_IntermediateData" includes cleaned datasets with variables created, and "2_FinalData" contains the clean datasets ready for analysis. "Output" includes all the results for tables generated (in both the main body of the text and the appendix). The "Code" folder contains the do-files used for data processing, analysis, and generating output. The excel file `TableA1_A2.xlsx` in folder "Output" contains the tables A1 and A2 in the Appendix on the experimental design that were formatted manually. All main tables were created using LaTeX editor and the replicator can run all cleaning and analysis files from start to end without interruption using the master do-file `0.Master.do`. The replicator will need to first define a personal directory path for "user 2" in the master do-file before running the program.

Do-files

0.Master.do runs the code to set the directory, generates all relevant files for analysis, and constructs the data file to be used in the final analysis. This includes cleaning the data, merging survey rounds, and creating outcome variables. The file also runs the code to construct the main and appendix tables in the paper.

1.TVET_CleaningDatacleaning.do runs the code to clean the raw data and create variables for the TVET student study sample.

2.MFI_CleaningDatacleaning.do runs the code to clean the raw data and create variables for the MFI credit officers study sample.

3.Merging and reshaping.do runs the code to merge the TVET and MFI study data samples and merges in the implicit association test (IAT) score.

4.ChigignTobiya_Paper_Tables_06162025.do runs the code to construct the main and appendix tables in the paper. The code also creates Figure A1 that plots the distribution of the Implicit Association Test (IAT).

Data

The primary datasets were collected using SurveyCTO on tablets during the lab-in-the-field experimental sessions conducted in November and December 2021. The IAT was collected using a Qualtrics data platform during the session. All the results in the main paper (Tables 1 to 5) and Appendix (Figure A1, Tables A3 and A4) are obtained by running the Stata do file 4.ChigignTobiya_Paper_Tables_06162025.do, which is included in folder "Code" of the replication package. To replicate all data cleaning, merging, and results stages, the 0.Master.do do file can be run which draws on multiple do files and datasets – and it should run from start to end without interruption. To perform the analysis, we rely on the following raw and final datasets:

1. **Chigign_Tobiya_Tvet_study_17Jan2022.dta** in folder "0_UsingData"
2. **Chigign_Tobiya_mfi_study_17Jan2022.dta** in folder "0_UsingData"
3. **IAT_DScore_Chigign_Tobiya_Clean.dta** in folder "0_UsingData"
4. **Chigign_Tobiya_IAT_TVET_MFI_Data_Clean_merged.dta** in folder "2_FinalData"

Note that the raw data has been deidentified for personally identifiable data (names and location information). The Implicit Association Test (IAT) d-score was computed in R. The file CT_IAT.Rmd to compute the score is included in the folder "Code" but is not included in the push-button replication.

Data Availability Statements

Statement about Rights

The data from an impact evaluation contained in this package was collected by the authors and the authors have legitimate access to and permission to use the data used in this manuscript.

Summary of Availability

The authors have documented permission to redistribute/ publish the data contained within this replication package. The datasets will be published in the public World Bank Microdata library once the paper has been accepted for publication in a journal.

Computational requirements

Software Requirements

Stata (code was last run with version 17)

- ietoolkit
- unique
- renvars
- latab
- estout
- outreg2
- winsor
- diff
- texsave

The program `4.ChigignTobiya_Paper_Tables_06162025.do` will install all necessary dependencies locally if not already installed.

Memory, Runtime, Storage Requirements

Approximate time needed to reproduce the analyses on a standard (2025) laptop machine: **1 minute**. The replicator should expect the code to reproduce the main and appendix tables to run in approximately 1 minute.