README for the Reproducibility Package for the working paper *"Land Registration, Input Subsidies, and Agricultural Investment: Experimental Evidence from Women Farmers in Mozambique"*

Overview

The code in this replication package uses Stata to construct the analysis dataset and to generate the figure and all tables in the paper from the raw baseline, midline, and endline survey data. The master do-file runs all code required to produce the 4 tables and 1 figure in the main paper, as well as the 21 tables in the appendix. The full replication should take approximately 1 minute to run.

Data Availability Statement

The data is sharable with open access with forthcoming publication on the Micro Data Library. With the exception of the treatment variable embargoed until journal publication.

Folder	**File Name(s)**	**Source**	**Access Date**	**Data Access**
Data\raw\baseline	PROMAC II - Agregado Familiar - v1.dta PROMAC II - Agregado Familiar - v1-add_members.dta PROMAC II - Agregado Familiar - v1-all_members.dta PROMAC II - Agregado Familiar - v1-b2_couple.dta PROMAC II - Agregado Familiar - v1-b309_members.dta PROMAC II - Agregado Familiar - v1-C2_cultivated_1.dta PROMAC II - Agregado Familiar - v1-C2_cultivated_2.dta PROMAC II - Agregado Familiar - v1-c4_crops_1.dta PROMAC II - Agregado Familiar - v1-c4_crops_2.dta PROMAC II - Agregado Familiar - v1-c4_plots_1.dta PROMAC II - Agregado Familiar - v1-c4_plots_2.dta PROMAC II - Agregado Familiar - v1-C5_crops_1.dta PROMAC II - Agregado Familiar - v1-C5_crops_2.dta PROMAC II - Agregado Familiar - v1-inputs_1.dta PROMAC II - Agregado Familiar - v1-inputs_2.dta PROMAC II - Agregado Familiar - v1-plot_info.dta PROMAC II - Agregado Familiar - v1-relation_d1.dta PROMAC II - Agregado Familiar - v1-tree_c100.dta PROMAC II - Agregado Familiar - v1-trees.dta	Africa Gender Innovation Lab	Dec 2020	Public Forthcoming on MDL
Data\raw\midline	animal_roster.dta B1_members.dta B4_credits.dta B4_pensions.dta C1_plots.dta C3_members_act1_e1.dta C4_crops_e1.dta C4_crops_e2.dta C5_crops_e1.dta C5_crops_e2.dta C6_fruits.dta estructuras.dta instalacoes.dta insumo.dta member_roster_business.dta	Africa Gender Innovation Lab	November 2021	Public Forthcoming on MDL

	negocio_roster.dta PromacII_HH_Midline_2021.dta trees.dta			
Data\raw\endline	animal_roster.dta B1_members.dta B4_credits.dta B4_pensions.dta C1_plots.dta C3_members_act1_e1.dta C4_crops_e1.dta C4_crops_e2.dta C5_crops_e1.dta C5_crops_e2.dta C6_fruits.dta estructuras.dta instalacoes.dta member_roster_business.dta negocio_roster.dta PromacII_HH_Endline_2022.dta trees.dta	Africa Gender Innovation Lab	November 202	Public Forthcoming on MDL
Data\admin	Cadasta_input.dta combined_wtp.dta CombinedBundleDelivery.dta list_members_plots.dta merged_duats_final.dta treatment_assignment.dta	Africa Gender Innovation Lab & NCBA CLUSA & Cadasta	2021	Public Forthcoming on MDL
\data\admin	treatment_assignment.dta	Africa Gender Innovation Lab	Feb 2021	Embargo until journal publication accepted (~1 year)

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.

Instructions for Replicators

This package contains all code, raw and admin data required to replicate the results. Before running the replication, users should ensure that their local folder structure exactly matches the structure described in the Folder Structure section, as empty folders may have been dropped when the replication package was downloaded. To run the replication, execute the master do-file "0-master", which generates the analysis datasets and the figure included in the paper. The code does not generate tables directly; instead, it produces 50 .txt files that serve as components for the 4 tables in the paper and the 21 tables in the annex, with each table constructed from one or more of these files. All .txt files and their corresponding tables are listed in the List of Exhibits section. The .txt files are exported to the output/tables folder, and the figure is exported to the output/figure folder. All required user-written Stata ado-packages are included in the replication package under the ado/ directory and are automatically referenced by the master do-file, so no manual installation is required. Replicators should only ensure that the project global path is correctly set in the master do-file. The full replication should take approximately 1 minute to run.

Software Requirements

Stata (code was last run with version 18.5)

List of Exhibits

Table 1: Intent-to-Treat Impacts: Agricultural Investment and Income

Panel A: 12-month impacts
ml_tenureIndex
ml_ag_investment
Panel B: 24-month impacts
el_tenureIndex
el_ag_investment

Table 2: Intent-to-Treat Impacts: Off-Farm Investment and Income
Panel A: 12-month impacts
ml_bus_investment
Panel B: 24-month impacts
el_bus_investment

Table 3: Intent-to-Treat Impacts: Land Rights Attitudes and Decision Making
Panel A: 12-month impacts
ml_womensLandIndex
Panel B: 24-month impacts
el_womensLandIndex
el_decisionIndex

Table 4: Network-based Spillover Impacts of Land Registration
spillovers

Table A1: Follow-up Survey Tracking
attrition
Table A2: Baseline Characteristics and Balance Tests
balance_hh
balance_plot
balance_iga
balance_f_test

Table A3: Correlates of Take-Up of Land Registration and Co-Titling
Titling

Table A4: Impacts of Land Registration on WTP for Agricultural Inputs Package
OLS
impacts_wtp
Probit
impacts_pro_wtp

Table A5: Compliance: Land Registration and Package Delivery
Compliance

Table A6: Intent-to-Treat Impacts: Land under cultivation
Panel A: 12-month impacts
ml_landArea
Panel B: 24-month impacts
el_landArea

Table A7: Intent-to-Treat Impacts: Tenure Security Components
Panel A: 12-month impacts
ml_tenure_insecurity
Panel B: 24-month impacts
el_tenure_insecurity

Table A8: Intent-to-Treat Impacts: Labor Composition
Panel A: 12-month impacts
ml_plots_farmlabor_w1
Panel B: 24-month impacts
el_plots_farmlabor_w1

Table A9: Intent-to-Treat Impacts: Non-Labor Inputs
Panel A: 12-month impacts
ml_nonlabor_inputs
Panel B: 24-month impacts
el_nonlabor_inputs

Table A10: Intent-to-Treat Impacts: Sustainable Farming Practices
Panel A: 12-month impacts
ml_farming_practices
Panel B: 24-month impacts
el_farming_practices

Table A11: Intent-to-Treat Impacts: Target Plot Investment and Income
Panel A: 12-month impacts
ml_tenureIndex_tp
ml_ag_investment_tp
Panel B: 24-month impacts
el_tenureIndex_tp
el_ag_investment_tp

Table A12: Intent-to-Treat Impacts: Women's Land Rights Attitudes
Panel A: 12-month impacts
ml_womensLand
Panel B: 24-month impacts
el_womensLand

Table A13: Intent-to-Treat Impacts: Decision-Making Power
Panel A: 24-month impacts
el_decision

Table A14: Intent-to-Treat Impacts: Decision-Making Power Heterogeneity
Panel A: 24-month impacts -- matrilineal households
el_decision_matri
Panel B: 24-month impacts -- patrilineal households
el_decision_patri

Table A15: Intent-to-Treat Impacts: Decision-Making Power
Panel A: 24-month impacts -- acquired from parents
el_decision_parents
Panel B: 24-month impacts -- acquired in other way
el_decision_other

Table A16: Network-based Spillover Impacts of Input Package
ag_spillovers

Table A17: Intent-to-Treat Impacts: Crop-Specific Outcomes
Panel A: 12-month impacts
ml_crop_mechanisms
Panel B: 24-month impacts

el_crop_mechanisms

Table A18: Harvest Value Correlates
harValCorr

Table A19: Intent-to-Treat Impacts: Crops Cultivated
Panel A: 12-month impacts
ml_crop_choices
Panel B: 24-month impacts
el_crop_choices

Table A20: Intent-to-Treat Impacts: Area Cultivated, by Crop
Panel A: 12-month impacts
ml_crop_area
Panel B: 24-month impacts
el_crop_area

Table A21: Intent-to-Treat Impacts: Harvest Value
Panel A: 12-month impacts
ml_crop_value
Panel B: 24-month impacts
el_crop_value

Folder Structure

ado
code
data
admin
raw
baseline
midline
endline
working
baseline
midline
endline
clean
baseline
midline
endline
output
figures
tables