**Overview:**

This is the replication package for “Haqdarshak: Leveraging Technology and Entrepreneurship to Increase Access to Welfare Programs,” by Abhijit Banerjee, Jennifer Bussell, Sarika Gupta, Rema Hanna, and Ben Olken.

This folder contains data and code for replicating the tables and figures of the report. It also contains English translations of the survey instruments used in data collection, as well as a narrative report for the project. The data and code files are in Stata format. The replication should take approximately 2 minutes.

**Top-Folder structure:**

- 1_Raw_data
    - MainExperiment
    - Pilot
        - ordeal intervention
- 2_Intermediate_data
- 3_Do
    - analysis
    - cleaning
    - Master.do
- 4_Output
    - Appendix
    - Main
    - Other_analysis
- 5_Log
- 6_Additional documentation
    - Survey Instruments
    - Narrative Report
- ReadMe

**Replication instructions:**

1. Open MASTER.do, located in the “3_Do” folder, and follow the instructions below
2. Set the path to the data folder in the line marked "change here" (Line 32)
3. Run MASTER.do

The last replication was run in Stata 15 and took ~2 minutes.

**Note:* The user-written commands that are necessary to replicate are listed in lines 14-17 of the master do-file. After the first time you run the file, you might want to comment these out in order to save run time.

**Dataset information, availability, and provenance:**

This package contains de-identified raw and intermediate data files from the project. The folder "Pilot" contains raw data files for baseline, intervention and endline for the pilot sample (646 households), conducted in 10 Indian villages in Dausa district, Rajasthan, from December 2017 to April 2019. The folder "Main Experiment" contains the baseline data collected for the main experimental sample (4808 households), which was launched in July 2019 across 94 villages in the district of Sikar, Jhunjhunu and Bhilwara, and completed in February 2020. The main intervention and endline were put on pause because of COVID-19, so there is only baseline data for the main experiment.

The data from the above sources is publicly available at the J-PAL dataverse (https://dataverse.harvard.edu/dataverse/jpal) under license CC0.

**Dataset list:**

The following datasets are included base-datasets (i.e., not generated by running the replication code):

1) 1_Raw_data
    a) MainExperiment
        i) anonymized_mainexperiment_baseline
    b) Pilot
        i) ordeal intervention
            (1) ordeal_treatment_assignment
        ii) endline_takeup
        iii) hh_data_treatment_b
        iv) individual_data_documents
        v) individual_data_treatment_b
        vi) pilot_baseline_household_roster_all
        vii) pilot_intervention_assitance_followup
        viii) pilot_intervention_citizen_cumulative_all
        ix) pilot_intervention_citizen_cumulative_family
        x) pilot_intervention_completed_apps
        xi) pilot_intervention_household_screening_counts
        xii) Pilot_intervention_tracking_sheets_all

The following datasets are included generated-datasets (i.e., replaced each time the replication code is run):

2) 2_Intermediate_data
    a) endline_takeup_clean
    b) household_member_counts
    c) individual_scheme_counts
    d) scheme_applications_hhlevel
    e) screen_amounts
    f) screening_takeup

**Computational requirements:**

All programs were written in Stata. The following non-base packages are required:

mdesc

missing

veracrypt

The code was last run in Stata 15 on a 1.8 GHz Intel Core i7 computer with Windows 10.

**Additional documentation:**

The folder "6_Additional_documentation" contains the survey instruments that were used to collect the raw data included in this data package. It also includes a narrative report that provides an overview of the study design and preliminary findings gathered before the study was suspended due to COVID-19.

**Description of programs/code (+ list of Tables and programs):**

The do-files are separated into two files: "cleaning" and "analysis." The files in "cleaning" take the raw data and output the intermediate datasets that are used in analysis. The files in "analysis" perform the analysis and output latex files for the tables in the narrative report. Tables for the main report are found in "4_Output/Main/" and the tables for the appendix are found in "4_Output/Appendix/." Analysis run by the research team but not included in the narrative report is found in "4_Output/Other_analysis/." The table below displays the relationship between do-files and output tables. ***Note:*** Tables 11, 12, and A28-A35 are not outputted by these replication files.

MASTER.do runs set-up, sets globals, and calls all do-files.

| **Do-files (3_Do/)** | **Outputs (4_Output/latex)** |
|---|---|
| analysis_appendix_1_attrition | Appendix Table 7 |
| analysis_appendix_tables_2_3.do | Appendix Table 9 |
| | Appendix Table 10 |
| analysis_tables_1_2.do | Table 3 |
| | Table 4 |
| | Appendix Table 8 |
| | Additional Screening Heterogeneity.tex |
| | num_baseline_eligible_tabulation.tex |
| | elig_nopost_nopension_tabulation.tex |
| | elig_oldage_widow_tabulation.tex |
| analysis_tables_3_4.do | Table 2 |
| | Table 5 |
| | Appendix Table 4 |
| | Appendix Table 20 |
| analysis_tables_5_6.do | Table 6 |
| | Table 10 |
| analysis_tables_appendix_cross_price_elasticities.do | indiv_agreed_lowest_price.tex |
| | indiv_applied_lowest_price.tex |
| | indiv_agreed_number_of_schemes.tex |
| | indiv_applied_number_of_schemes.tex |
| | Price Frequencies_indiv_applied.tex |
| | number_of_schemes_not_lowest_price.tex |
| | scheme_offer_distribution.tex |
| | Price Breakdown Not Lowest.tex |
| | hh_agreed_lowest_price.tex |
| | hh_applied_lowest_price.tex |
| | hh_agreed_number_of_schemes.tex |
| | hh_applied_number_of_schemes.tex |

| | |
|---|---|
| | Price Frequencies_HH_applied.tex |
| analysis_tables_appendix_documents.do | Table 1 |
| | Appendix Table 3 |
| | Appendix Table 5 |
| | Appendix Table 6 |
| | Govt Scheme Applications.tex |
| | Govt Scheme Experience.tex |
| | Govt Scheme Rejected.tex |
| | Values _x_ .tex (Multiple files) |
| | member_political_party.tex |
| | vote_panchayat_elections.tex |
| | vote_state_elections.tex |
| analysis_tables_endline.do | Table 7 |
| | Table 8 |
| | Table 9 |
| | Appendix Table 21 |
| | Appendix Table 22 |
| | Appendix Table 23 |
| | Appendix Table 24 |
| | Appendix Table 25 |
| | Appendix Table 26 |
| | Appendix Table 27 |
| | Endline_regressions_`x'_module10controls.tex (multiple tables) |
| | Endline_regressions_`x'_module10interactions.tex (multiple tables) |
| | endline_attitudes.tex |
| | endline_attitudes_with_blcontrols.tex |
| | endline_attitudes_module10 controls.tex |
| | endline_attitudes_module10interactions.tex |