Replication Guide

"NGOs and the effectiveness of interventions"

The Review of Economics and Statistics

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This file provides an overview of the archive containing the Stata do-files and all data files to reproduce our results. All files were produced with Stata MP version 16.1.

Replication steps:

1. Ensure all replication files are saved in the same directory.
2. Adjust line 8 in master.do to indicate the directory in which the replication files are saved.
3. Run master.do to call individual do-files and generate all tables and figures.

The following data file is needed to replicate the main results:

- ~/output/panel_r0_r1_r2.dta: Cleaned household-level panel dataset containing baseline, midline and endline survey data. See variable labels for variable definitions.

The following processed data files are also included in the archive:

Dataset	*Description*
~/data/uttarakhand_census_2001.dta	Village-level data on selected indicators from the 2001 Population Census (Village Directory) for the districts of Bageshwar and Nainital in Uttarakhand (formerly known as Uttraranchal)
~/data/uttarakhand_census_2001_2011_chirag.dta	Village-level panel data on selected indicators for *matched* "NGO villages" (N = 19) and "non-NGO villages" (N = 19) extracted from: • 2011 Population Census (District Census Handbook) for the districts of Bageshwar and Nainital in Uttarakhand • 2001 Population Census (Village Directory) for the districts of Bageshwar and Nainital in Uttarakhand (formerly known as Uttaranchal)
~/data/uttarakhand_census_2011_detailed_chirag.dta	Village-level data on selected indicators for *matched* "NGO villages" (N = 19) and "non-NGO villages" (N = 19) from the 2011 Population Census (Houselisting and Housing Census) for the districts of Bageshwar and Nainital in Uttarakhand
~/data/uttarakhand_surveyed_villages.dta	List of *all* potential "NGO villages"
~/data/chirag_activity_list.dta	List of activities and year of engagement of NGO with "NGO villages"

Note. URLs to Census of India data sets above active as of July 3, 2022.

The following do-files were used to build and analyze the data:

- Replication files (i.e., those called by master.do to generate figures and tables, and generate ad-hoc summary statistics):

    - Table 1: ~/code/table_postmatch_community_balance.do
    - Table 2: ~/code/table_descriptive_statistics.do
    - Table 3: ~/code/analysis_intervention_purchase.do
    - Table 4: ~/code/analysis_continued_adoption_use.do
    - Table 5: ~/code/analysis_improved_stoves.do
    - Table 6: ~/code/analysis_impact_heterogeneity.do
    - Appendix Table D1: ~/code/analysis_psm.do
    - Appendix Tables D2 and D3: ~/code/table_pretrends_crossec_balance.do
    - Appendix Table D4: ~/code/analysis_baseline_improved_predict_purchase.do
    - Appendix Table D5: ~/code/analysis_impact_fuel_collection.do
    - Figure 2: ~/code/figure_purchase_rates.do
    - Figure 3: ~/code/figure_continued_adoption_use.do
    - Figure 4 and Appendix Table F1: ~/code/figure_bayesian_estimation.do
    - Appendix Figure C2: ~/code/figure_randomization_inference.do
    - Appendix Figure E1: ~/code/figure_redefining_ngo_variable_linear.do
    - Appendix Figure E2: ~/code/figure_redefining_ngo_variable_quadratic.do
    - Footnote 23: ~/code/analysis_stove_problems.do

- Build files (i.e., supporting code used for data construction and output generation):

    - ~/code/master.do: master do-file that calls all other do-files
    - Data cleaning do-files (provided for reference only as raw survey data unavailable for dissemination due to data anonymity concerns):
        - ~/code/clean_r0_baseline.do: Used to clean the raw survey data from the baseline survey round
        - ~/code/clean_r1_followup.do: Used to clean the raw survey data from the midline survey round
        - ~/code/clean_r2_followup.do: Used to clean the raw survey data from the endline survey round
        - ~/code/merge_r0_r1_r2.do: Used to combine cleaned baseline, midline and endline data within a household-level panel and generate panel_r0_r1_r2.dta

Notes:

- ~/output/ngo_log.txt: Log file generated when running master.do
- ~/readme/ngo_log_cleaning.txt: Log file presenting output from running clean_r0_baseline.do, clean_r1_followup.do, clean_r2_followup.do and merge_r0_r1_r2.do (provided for reference).
- Replication requires user-written ado-files. All user-written commands are publicly available (e.g., via the Boston College Statistical Software Components [SSC] archive).