

READ ME

Overview

The data (.dta) and do (.do) files below can be used to replicate the analysis from the paper *“From Habits to Hardware: A Field Experiment on Energy-Saving Cooking Practices in Rwanda”* using Stata.

Software

Stata version 19 is used to run the analysis in this package. The approximate run time is 30 minutes.

Data

The do files below draw on the datasets:

- **baseline_raw.dta**, **endline_raw.dta** and **attrition_and_compliance.dta** are the raw baseline and endline datasets.
- **analysis.dta** is the final dataset used for analysis (containing the sample for whom we have baseline and endline data).
- **attrition_analysis.dta** is the dataset used for attrition analysis (containing the entire sample, including those for whom we only have baseline data).

Manuscript

The latest manuscript is included, titled “Rwanda_Paper__0427.pdf”.

Do Files

Line(s) in the main script that should be changed to run the code on a different machine: **master.do**, lines 3-5.

- The **master.do** do file calls all of the following.
 - o **1a_baseline_variables.do** and **1b_endline_variables.do** (which contain **1a_cooktime_variables_bl.do** and **1b_cooktime_variables_el.do**) convert the raw data to the dataset used for analysis.
 - o **2_balance.do** codes the balance tests displayed in Appendix B (Tables A2 and A3).
 - o **3_analysis_2SLS.do** contains the paper’s main analysis and produces Tables 5-8.
 - o **4_mediation.do** contains the mediation analysis (displayed in Tables 9 and 10).

- **5_analysis_ITT.do** contains the intent to treat version of the main analysis, presented in appendix C (tables A4-A7). This file also contains the paper's multiple hypothesis tests (Table A13).
- **6a_attrition.do** and **6b_lee_bounds.do** contain the attrition analysis displayed in Tables A8-A12 in the paper's appendix.

Replication Mapping

<u>Do File</u>	<u>Data Set Used</u>	<u>Data Set Outputted</u>	<u>Tables Outputted</u>
1a_baseline_variables.do	baseline_raw.dta	baseline.dta	
1b_endline_variables.do	endline_raw.dta attrition_and_compliance.dta baseline.dta	analysis.dta attrition_analysis.dta	
2_balance.do	attrition_analysis.dta		finalbalance_ovs.tex finalbalance_dvs.tex mht_balance.tex (this table is used to inform the footnotes about multiple hypothesis tests in the above two tables)
3_analysis_2SLS.do	analysis.dta		table_5_LATE.tex table_6_LATE.tex table_7_LATE.tex table_8_LATE.tex
4_mediation.do	analysis.dta		table_9_mediation.tex table_10_mediation.tex
5_analysis_ITT.do	analysis.dta		table_5_cook_time_2.tex table_6_fuel_2.tex table_7_demand_2.tex table_8_own_use_2.tex mh_test.tex
6a_attrition.do	attrition_analysis.dta		table_attrition.tex attrition_table_full.csv
6b_lee_bounds.do	attrition_analysis.dta		table_leebounds.tex

Data Availability

<u>Data Set</u>	<u>Access</u>
baseline_raw.dta endline_raw.dta attrition_and_compliance.dta	Licensed access via the External Catalogue in the World Bank Microdata Library. Currently under embargo for 1 year or until the paper is published (whichever is sooner). Then the data will be available here: https://microdatalibqa.worldbank.org/index.php/catalog/17200
analysis.dta attrition_analysis.dta	These datasets are created by the code to be published in the reproducibility package. They are not currently part of the

	microdata on World Bank Microdata Library since they will be reproducible with this code.
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- I certify that the author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.
- I certify that the author(s) of the manuscript have documented permission to redistribute/publish the data contained within this replication package.
- Terms of use for licensed datasets can be found here:
<https://microdata.worldbank.org/index.php/terms-of-use>