

Readme file

All the main tables in the paper, as well as all appendix table A3 to A18, are created by EJ_MPV_replication_main.do.

The do-file starts from data_mpv_relication2.dta, which contains all relevant individual, household and block-level variables needed (from 2005, 2006 and 2008 *Atencion a Crisis* impact evaluation datasets), to reproduce all results in the paper. The weather variables were constructed based on the longitudinal grid-level data from Uribe (2011). The do-file merges in (on line 1309) a community-level dataset, com_survey_data.dta, containing data from the 2008 community survey from the *Atencion a Crisis* impact evaluation datasets. All variables contain complete, transparent and precise labels. The data collection and content of the datasets are described in section 2 of the paper.

Most estimates use the household level data (3922 households, i.e. all eligible households interviewed at baseline and re-interviewed in 2008). The estimates in Table 9 estimates impacts for the individual predicted to have taken part in the vocational training, and hence starts from individual-level data (even if there is only 1 individual for each household predicted to participate). The do-file replicates all results in the paper, and produces a set of xml tables with the estimation results. Additional statistics (such as the control means, and randomization inference results) are saved in the log files. Tables and log files are saved in the same folder as the do-file.

Table A1 and A2, and the figures are created by separate do-files. Table A1 uses the same data_mpv_relication2.dta as the main file. Do-files for A2 and the figures start from additional datasets with the historical series of weather data (Uribe, 2011). Those datasets can be found in the subfolders Figures and Table_A2.

Table A18 results directly from administrative reports from the implementing ministry, so no code or data to be provided.

Estimated computation time to run the entire set of do-files is about 1.5 hours. Do-file written for stata 14.2 and with annotated comments to facilitate readability. All data files provided in stata format as well as in CSV (delimited text file).

The following additional packages/libraries need to be installed before running the code:

```
randcmd  
package randcmd from http://fmwww.bc.edu/RePEc/bocode/r  
  
matdelrc  
package dm69 from http://www.stata.com/stb/stb50  
  
outreg2  
package outreg2 from http://fmwww.bc.edu/RePEc/bocode/o
```

ivreg2

package ivreg2 from <http://fmwww.bc.edu/RePEc/bocode/i>

tsspell

package tsspell from <http://fmwww.bc.edu/RePEc/bocode/t>

ranktest

package ranktest from <http://fmwww.bc.edu/RePEc/bocode/r>

References:

- Macours, K., Premand, P. and Vakis, R. (2021). "Transfers, diversification and household risk strategies: Can productive safety nets help households manage climatic variability?" Online Appendix. Replication package. *Economic Journal*.
- Uribe, A. 2011. "Gridded Analysis of Meteorological Variables in Nicaragua." The World Bank.