Replication material README file for "Enhancing Human Capital in Children: A Case Study on Scaling"

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Last Edited: June 20, 2024

Codes

The results produced by the replication package may vary based on the versions of Stata and its packages used. Stata MP8 version 16.1 was used to run the Stata codes. It is presumed that the Stata code files and the data directory reside in the same parent directory. Stata built-in routines for computing simulation-based p-values use the same seed sequence and 3,000 replications. They can take approximately one hour of computing time in order to produce each of the tables on a standard desktop computer (8 cores).

The do file *`Main Tables and Figures.do'* replicates all the 7 tables and 2 out of the 3 figures contained in the main draft. Figure 1 does not rely on actual data and hence it is not replicated here. The do file *`Appendix Tables and Figures.do'* replicates all the tables and figures contained in the Web Appendix. Both code files have the same structure, in that they replicate each table/figure using a dedicated dataset. Given this structure, one can either execute specific portions of the code for reproducing selected tables or figures or run the entire code. Output results are stored in separate .tex or .eps files in dedicated sub-folders, '*Draft/Tables'* and *`Draft/Figures'*.

Data

The Data folder contains the different datasets used to replicate each table and figure of the study. All the datasets provided for replication purposes have been de-identified in order to safeguard participant confidentiality. The datasets used to run the do file *`Main Tables and Figures.do'* are described in some detail below. The datasets used to run the do file *`Appendix Tables and Figures.do'* have a very similar structure.

- "scaleup_localities.dta" contains locality-level and school-level variables that appear in Table 1 of the draft.
- "scaleup.dta" contains the locality-level education outcomes and covariates underlying the regression analyses of Table 4 and Figure 3 in the draft.
- "scaleup_mentors.dta" contains mentors-level variables that appear in Figure 2 of the draft.
- "exp1_students.dta" contains the test scores and covariates for the students in the first experiment underlying the regression analysis of Table 2 in the draft.
- "exp1_parents.dta" contains the survey-based parental outcomes and covariates for the students in the first experiment underlying the regression analysis of Table 5 (Panel A) in the draft.
- "exp1_schools.dta" contains the school closure indicator and covariates underlying the regression analysis of the last two columns of Table 7 in the draft.

- "exp2.dta" contains the survey-based test scores, administrative records, and covariates for the students in the second experiment underlying the regression analysis of Table 3 in the draft, as well as the survey-based parental outcomes that appear in Tables 5 (Panel B) and 6 and the school closure indicators that appear in the last two columns of Table 7.