Overview

This project completes the replication assignment for Computation 280 at UCSD. I am replicating and extending the results from Muralidharan, et al (2019), entitled "Disrupting Education? Experimental Evidence on Technology-Aided Instruction in India."

Data Availability and Provenance Statements

All the data in this replication project were downloaded from the original author's replication package at https://www.openicpsr.org/openicpsr/project/113192/version/V2/view on 10/25/2025.

Statement about Rights

I certify that the author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.

Summary of Availability

All data **are** publicly available.

Details on each Data Source

Data.Name	Data.Files	Location	Provided	Citation
"Wide testing dataset"	ms_blel_jpal_wide.dta	data/	TRUE	Muralidharan (2019)
"School results"	Sc_results.dta	data/	TRUE	Muralidharan (2019)
"Long testing dataset"	Ms_blel_jpal_long.dta	data/	TRUE	Muralidharan (2019)

Dataset list

Dataset ms_blel_jpal_wide.dta is used to replicate the main results of the paper and create the initial histogram of test scores for the first part of the assignment. It is formatted to be unique on each student and include their baseline and endline test scores in math and Hindi.

Dataset sc_results.dta is used to match school ID to student ID to evaluate heterogeneity of results by origin school of the student.

Computational requirements

Code is found in the "code" folder of the replication package and must be run in Stata and R.

Software Requirements

- Stata (code was last run with version 19.5)
  - `Outreg2` (as of 12/4/2025)
- R 4.5.2

Description of programs/code

INSTRUCTIONS: Give a high-level overview of the program files and their purpose. Remove redundant/ obsolete files from the Replication archive.

- 00 Master.do will set globals and run the subsequent do files to produce the replication and extension.
- 01 replication histogram.do creates a histogram of test scores. Outputs a histogram to "output" folder.
- 02 replication table 2 ITT.do recreates the main ITT results of the paper.
- 03 extensions.do analyzes the heterogeneity of schools on the results. Outputs a .tex file table (table 4) to "output" folder.
- 03 Replication in R.R recreates the main ITT results of the paper in R, rather than Stata. Outputs a .xlsx regression table (table 2) to "output" folder.

Instructions to Replicators

- Edit `00 Master.do` to change file paths and include necessary username
- Download the data files referenced above.
- Run `00 Master.do` to run all Stata steps in sequence.
- Run 03 replication in R.R to run R replication

List of tables and programs

Figure/Table #	Program	Output file	Note
Table 2	03 Replication in R.R	table2.xlsx	
Table 4	03 extensions.do	table4.tex	

References

Muralidharan, Karthik, Singh, Abhijeet, and Ganimian, Alejandro J. Replication data for: Disrupting Education? Experimental Evidence on Technology-Aided Instruction in India.

Nashville, TN: American Economic Association [publisher], 2022. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2022-11-21. https://doi.org/10.3886/E113192V2