

README for the Reproducibility Package for From Chalkboards to Chatbots: Evaluating the Impact of Generative AI on Learning Outcomes in Nigeria

Overview

This repository contains the six datasets and 11 R scripts that replicate the results in tables and figures in the table. Please run the scripts in the order of the table number indicated in their name. Those scripts in turn source the base scripts needed to load datasets and required packages.

Data Availability

Source	Dataset	Link	Year	Access
Dataset that shows the results of the treatment assignment lottery. Constructed by our team in June 2024	List_tc.csv	-	June 2024	Open
Dataset that shows individual-level attendance to the workshop sessions. Collected by our team in June-July 2024	Attendance_clean.csv	-	June 2024	Open
Dataset with students responses to the baseline questionnaire. Collected by our team in May/June 2024	Baseline_with_key.csv	-	May 2024	Open
Dataset with students responses to the endline questionnaire. Collected by our team in May/July 2024	endline_with_key.csv	-	July 2024	Open
Dataset that shows students' performance in the assessment conducted at the end of the workshop. Collected by our team in July 2024	Assessment_with_key.csv	-	July 2024	Open
Dataset that shows students' performance in schools regular curricular exams, including those of previous terms. Collected by schools on a rolling basis.	Performance_score_merging_sheet.csv	-	2024	Open

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.

Instructions for Replicators

Please run the scripts in the order of the table number indicated in their name. For example, "replicate_table_1.R" should be run before "replicate_table_2_4.R", and so on. Those scripts in turn source the base scripts needed to load datasets and required packages.

Computational Requirements

None

Software Requirements

R

Memory, Runtime, and Storage Requirements

The entire replication should take no more than 15 minutes.

Folder Structure

The folder contains an RProj file for ease of use, the R scripts and a subfolder called data_files which in turn contains all the datasets.