

A Comparative Analysis of Contract and Government Teachers in Sierra Leone: Profiles and Practices

This file explains how to replicate the analysis for the paper “A Comparative Analysis of Contract and Government Teachers in Sierra Leone: Profiles and Practices” by Emma Cameron; Marcela Gutierrez Bernal; Mari Shoji; Namrata Raman Tognatta; Mokhlesur Rahman and Ali Ansari

Data Availability and Provenance Statements

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.
- I certify that the author(s) of the manuscript have documented permission to redistribute/publish the data contained within this replication package. Appropriate permission are documented in the LICENSE.txt file.

Summary of Availability

- All data **are** publicly available.
- Some data **cannot be made** publicly available.
- **No data can be made** publicly available.

Data Files	Source
2015 Teachers.xlsx	Ministry of Basic and Senior Secondary Education
2017 Teachers.xlsx	Ministry of Basic and Senior Secondary Education
2018 Teachers.xlsx	Ministry of Basic and Senior Secondary Education
2018 School.xlsx	Ministry of Basic and Senior Secondary Education
2019 Teachers.csv	Ministry of Basic and Senior Secondary Education
ASC2020 teachers.dta	Ministry of Basic and Senior Secondary Education
2021 Teachers.csv	Ministry of Basic and Senior Secondary Education
2021 teacher_Koindugu.csv	Ministry of Basic and Senior Secondary Education

2022 School.xlsx	Ministry of Basic and Senior Secondary Education
2022 Teachers.xlsx	Ministry of Basic and Senior Secondary Education
Teach_peers.xlsx	World Bank Teach Team
GEPD_g4student_teacher_school_country_level.dta	World Bank GEPD Team
GEPD_school_country_level.dta	World Bank GEPD Team
GEPD_teacher_school_country_level.dta	World Bank GEPD Team
GEPD_weights	World Bank GEPD Team

The data for this project are confidential and cannot be shared. The datasets from the Ministry of Basic and Senior Secondary Education were provided by the Ministry as part of their Annual School Census, as part of a strong collaboration. There is no standard procedure to request the data, as the data is not made publicly available. The dataset from the Teach Team and GEPD is not publicly available and there is no standard procedure to request the data.

Computational requirements

Software Requirements • Stata (used version 16.1)

Replication Introduction

The code in this replication package consists of the World Bank's Global Education Policy Dashboard and the Sierra Leonean Government's Annual School Census. The data is confidential and not made publicly available.

The replication package is systematically organized to ensure a smooth and understandable process for users. If you already possess the data necessary for replication, you need to follow these simple steps to execute the analysis: Update File Path and run the primary.do file. This script is designed to automatically perform all the steps outlined below in the specified order.

1. Data generation: Using the datasets in the /rawdata folder to load the different raw datafiles, clean them to include only the necessary variables needed for each analysis, append or merge files as necessary and generate new variables as necessary. Once cleaned, all files are stored in the /cleandata folder. Use the dofile 'primary' located in the /dofile folder, this dynamically pulls from the 'clean' dofile.
2. Data analysis: Using the clean datasets, all analyses on the datasets can be run also using the dofile 'primary' located in the /dofile folder, this dynamically pulls from the 'analysis' dofile.
3. Excel plots: Stata will then output the Excel files to the folder /outputs, which are then used to manually create charts and tables in Excel based on the relevant data outputs. The final versions are in the _finalversions folder within the /output folder.

Data generation and Data analysis

Open `"/primary.do"`, and change line 41 to the appropriate directory, and run the code in Stata. This runs the other two do files as well. No other changes are necessary if you've followed the same folder structure.

Excel plots

All tables and figures in (`"/analysis.do"`) are exported to excel, with the exception of figure 3 and 5 that are exported into a log file. They are either exported to a file labeled Figures or Tables in the `/outputs` folder. Each tab on the corresponding file links to a specific Figure or Table (e.g. Figure 1). For formatting you will need to copy the exported Stata results from either of the two files above (Figures or Tables) and paste the results in the corresponding tab on the sheet Tables and Figures which is located in the folder `_finalversions`, located in the same overarching output folder. For example, Table 1 in the Tables file should be copy and pasted into the Tables 1 tab in the Tables and Figures sheet in the `_finalversions` folder. The paste typically goes in the upper hand right corner (i.e. A1). The formatted/final figures and tables pull directly from the cells so once you paste in the exact same spot everything else will update automatically and no other changes are necessary.

Visualization	Stata Code Line	Output	Final Output
Figure 1	13	Figures, Sheet (Figure 1)	Tables and Figures, Sheet (Figure 1)
Figure 2a	42	Figures, Sheet (Figure 2a)	Tables and Figures, Sheet (Figure 2a)
Figure 2b	76	Figures, Sheet (Figure 2b)	Tables and Figures, Sheet (Figure 2b)
Figure 3	111	Figures, Sheet (Figure 3)	Tables and Figures, Sheet (Figure 3)
Figure 4	140	Figures, Sheet (Figure 4)	Tables and Figures, Sheet (Figure 4)
Figure 5	164	Figures, Sheet (Figure 5)	Tables and Figures, Sheet (Figure 5)
Table 2	193	Tables, Sheet (Table 2)	Tables and Figures, Sheet (Table 2)
Table 3	236	Tables, Sheet (Table 3)	Tables and Figures, Sheet (Table 3)
Table 4	277	Tables, Sheet (Table 4)	Tables and Figures, Sheet (Table 4)
Table 5	319	Tables, Sheet (Table 5)	Tables and Figures, Sheet (Table 5)
Table 6	361	Tables, Sheet (Table 6)	Tables and Figures, Sheet (Table 6)

Table 7	403	Tables, Sheet (Table 7)	Tables and Figures, Sheet (Table 7)
Table 8	445	Tables, Sheet (Table 8)	Tables and Figures, Sheet (Table 8)
Table A2	487	Tables, Sheet (Table A2)	Tables and Figures, Sheet (Table A2)