



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

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This review verifies the reproducibility of the exhibits included in the paper “*A Comparative Analysis of Contract and Government Teachers in Sierra Leone: Profiles and Practices*”.

### **Contents in this review:**

1. Main findings
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### *Main findings*

- The code was successfully executed on a new computer after:
  1. Changing the file paths.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 15 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors.
- Every exhibit has been reproduced accurately.
- **Reproducibility Summary:**
  - **Data:** All data is confidential and has not been included in the reproducibility package. For more details, please refer to the README file.
  - **Code:** All code files (from cleaning to analysis) are included in the reproducibility package.
  - **Outputs:** All outputs are generated by code included in the reproducibility package.
  - **Reproducibility verification:** Reviewers used data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package.
  - **Dependencies environment:** The reviewers created a new environment for dependencies using the latest versions available for each dependency at the moment of the review.

### *List of exhibits and reproducibility status*

#### **Results in the Main Section of the Paper**

- **Figure 1** **Reproduced but requires manual steps.** The results for the figure shown in the paper are exported into an Excel file, which needs to be created manually. Since the numbers match, this is considered reproducible.
- **Figure 2** **Reproduced but requires manual steps.** The results for the figure shown in the paper are exported into an Excel file, which needs to be created manually. Since the numbers match, this is considered reproducible.
- **Table 1** Does not show analysis results.
- **Table 2** **Reproduced but requires manual steps.** The results for the table shown in the paper are exported into an Excel file, which needs to be formatted manually. Since the numbers match, this is considered reproducible.
- **Figure 3** **Reproduced but requires manual steps.** The results for the table shown in the paper are exported into a log file, which needs to be copied and pasted into the sheet \_finalversions/Tables and Figures.xlsx
- **Table 3** **Reproduced but requires manual steps.** The results for the table shown in the paper are exported into an Excel file, which needs to be formatted manually. Since the numbers match, this is considered reproducible.
- **Figure 4** **Reproduced but requires manual steps.** The results for the figure shown in the paper are exported into an Excel file, which needs to be created manually. Since the numbers match, this is considered reproducible.
- **Table 4** **Reproduced but requires manual steps.** The results for the table shown in the paper are exported into an Excel file, which needs to be formatted manually. Since the numbers match, this is considered reproducible.
- **Table 5** **Reproduced but requires manual steps.** The results for the table shown in the paper are exported into an Excel file, which needs to be formatted manually. Since the numbers match, this is considered reproducible.
- **Table 6** **Reproduced but requires manual steps.** The results for the table shown in the paper are exported into an Excel file, which needs to be formatted manually. Since the numbers match, this is considered reproducible.
- **Table 7** **Reproduced but requires manual steps.** The results for the table shown in the paper are exported into an Excel file, which needs to be formatted manually. Since the numbers match, this is considered reproducible.
- **Figure 5** **Reproduced but requires manual steps.** The results for the table shown in the paper are exported into a log file, which needs to be copied and pasted into the sheet \_finalversions/Tables and Figures.xlsx

- **Table 8** **Reproduced but requires manual steps.** The results for the table shown in the paper are exported into an Excel file, which needs to be formatted manually. Since the numbers match, this is considered reproducible.

#### **Results in the Annex**

- **Table A1** Does not show analysis results.
- **Table A2** **Reproduced but requires manual steps.** The results for the table shown in the paper are exported into an Excel file, which needs to be formatted manually. There are two numbers that appear in the code that are not shown in the paper for the government row. Since the numbers match and all the numbers appear in the code-produced output, this is considered reproducible.

#### *Reproduction Environment*

- Paper exhibits were reproduced in a computer with the following specifications:
  - OS: Windows 11 Enterprise
  - Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz, 2900 Mhz, 4 Core(s), 4 Logical Processor(s)
  - Memory available: 15.6 GB
  - Software version: Stata version 18