



Neither Too Little, nor Too Late: Restructuring as a Reflex for Outcomes

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This review verifies the reproducibility of the exhibits included in the paper “*Neither Too Little, nor Too Late: Restructuring as a Reflex for Outcomes*”.

Contents in this review:

1. Main findings
2. List of exhibits and reproducibility status
3. Reproduction Environment

Main findings

- **Every exhibit in the main section of the paper and in the appendix were reproduced accurately.**
- The code was successfully executed on a new computer after:
 1. Adjusting the file path in the `main.R` script and running the code.
 2. Adjusting the file path in the `main.do` do-file and running the code.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 1.5 hours to run.
- We conducted our reproducibility analysis based on the paper shared by the authors in the reproducibility package.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on two types of data: open, and limited-access (available to World Bank Staff).
 - Open data is included in the public reproducibility package.
 - Reviewers used limited-access data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package. Instructions for accessing and constructing the datasets are provided in the README.
 - `data_hash_report.csv` lists the SHA256 hashes of all files in the Data folder to support data integrity checks. Users who acquire the limited-access data can use this file to verify that the data has not been altered.
- **Reproducibility Summary:**

- **Data:** Open data are included in the package, while limited-access data are not. For further 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.
- **Dependencies environment:** The reviewers created a new environment using the latest versions of dependencies available at the moment of the review.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1** **Reproduced.** Verified against fig_1.png.
- **Figure 2** **Reproduced.** Verified against fig_2.png.
- **Figure 3** **Reproduced.** Verified against fig_3.png.
- **Figure 4** **Reproduced.** Verified against fig_4.png.
- **Figure 5** **Reproduced.** Verified against fig_5.png.
- **Figure 6** **Reproduced.** Verified against fig_6.png. Minor differences in the location and size of labels.
- **Figure 7a** **Reproduced.** Verified against fig_7_left.pdf.
- **Figure 7b** **Reproduced.** Verified against fig_7_right.pdf.
- **Figure 8a** **Reproduced.** Verified against fig_8_left.pdf.
- **Figure 8b** **Reproduced.** Verified against fig_8_right.pdf.
- **Figure 9a** **Reproduced.** Verified against fig_9_left.pdf.
- **Figure 9b** **Reproduced.** Verified against fig_9_right.pdf.
- **Figure 10a** **Reproduced.** Verified against fig_10_left.pdf.
- **Figure 10b** **Reproduced.** Verified against fig_10_right.pdf.
- **Figure 11a** **Reproduced.** Verified against fig_11_left.pdf.
- **Figure 11b** **Reproduced.** Verified against fig_11_right.pdf.
- **Table 1** **Reproduced.** Verified against tab_1.tex. Minor formatting and labeling differences.
- **Table 2** **Reproduced.** Verified against tab_2.tex. Minor formatting and labeling differences.

Results in the Annex

- **Table A.1** **Reproduced.** Verified against table_A1.tex. Minor formatting and labeling differences.

- **Table D.1 Reproduced.** Verified against `table_D1.tex`. Minor formatting and labeling differences.
- **Table D.2 Reproduced.** Verified against `table_D2.tex`. Minor formatting and labeling differences.
- **Figure D.1a Reproduced.** Verified against `fig_D1_left.pdf`.
- **Figure D.1b Reproduced.** Verified against `fig_D1_right.pdf`.
- **Figure D.2a Reproduced.** Verified against `fig_D2_left.pdf`.
- **Figure D.2b Reproduced.** Verified against `fig_D2_right.pdf`.
- **Figure D.3a Reproduced.** Verified against `fig_D3_left.pdf`.
- **Figure D.3b Reproduced.** Verified against `fig_D3_right.pdf`.
- **Figure D.4a Reproduced.** Verified against `fig_D4_left.pdf`.
- **Figure D.4b Reproduced.** Verified against `fig_D4_right.pdf`.
- **Figure D.5a Reproduced.** Verified against `fig_D5_left.pdf`.
- **Figure D.5b Reproduced.** Verified against `fig_D5_right.pdf`.

Reproduction Environment

Paper exhibits were reproduced on a computer with the following specifications:

- OS: Windows 11 Enterprise
- Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz
- Memory available: 16.0 GB
- Software version: Stata 19.5 MP, R 4.5.1