



Institutions and Prosperity: Public Institutions for Enabling the Private Sector with a focus on public procurement and regulatory institutions.

Third Submission: FR_WLD_2026_664

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This review verifies the reproducibility of the exhibits included in the paper "*Institutions and Prosperity: Public Institutions for Enabling the Private Sector with a focus on public procurement and regulatory institutions.*".

Contents in this review:

1. Main findings
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Main findings

- **Every exhibit of the paper has been reproduced accurately.**
- The code was successfully executed on a new computer after:
 1. Opening the R project "Replication.Rproj" and running scripts in order.
 2. Updating the working directory in line 5 of the do-file "1_Figures.do", and running it.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 1 hour to run.
- We conducted our reproducibility analysis based on the paper shared by the authors.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 2 types of data: open, and restricted data (available only from the data owners).
 - Open data is included in the public reproducibility package.
 - Reviewers used restricted data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package.
 - *data_hash_report.csv* lists the SHA256 hashes of all files in the Data folder to support data integrity checks. Users who acquire the restricted data can use this file to verify that the data has not been altered.

- **Reproducibility Summary:**

- **Data:** Some data is restricted and has not been included in the reproducibility package. For more details, 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 E.1** Does not apply. Does not show analysis results
- **Figure E.2** Does not apply. Does not show analysis results.
- **Figure E.3** Does not apply. Does not show analysis results
- **Figure E.4** Does not apply. Does not show analysis results
- **Figure E.5** Does not apply. Does not show analysis results
- **Figure E.6** Does not apply. Does not show analysis results.
- **Figure 1.1** Does not apply. Does not show analysis results.
- **Figure 1.2** Reproduced.
- **Figure 1.3** Reproduced.
- **Figure 1.4** Reproduced.
- **Figure 1.5** Reproduced.
- **Figure 1.6** Reproduced.
- **Figure 1.7** Reproduced.
- **Table 1.1** Does not apply. Does not show analysis results.
- **Table 1.2** Does not apply. Does not show analysis results.
- **Figure 2.1** Does not apply. Does not show analysis results.
- **Figure 2.2** Reproduced.
- **Figure 2.3** Reproduced.
- **Figure 2.4** Reproduced.
- **Figure 2.5** Reproduced.

- **Table 2.1** Does not apply. Does not show analysis results.
- **Figure 3.1** Does not apply. Does not show analysis results.
- **Figure 3.2** Reproduced.
- **Figure 3.3** Reproduced.
- **Figure 3.4** Reproduced.
- **Figure 3.5** Reproduced.
- **Figure 3.6a** Reproduced.
- **Figure 3.6b** Reproduced.
- **Figure 3.6c** Reproduced.
- **Figure 3.6d** Reproduced.
- **Figure 3.7** Reproduced.
- **Figure 3.8** Reproduced.
- **Figure 3.9** Reproduced.
- **Figure 3.10** Reproduced.
- **Figure 3.11.A** Reproduced.
- **Figure 3.11.B** Reproduced.
- **Table 1.1** Does not apply. Does not show analysis results.
- **Table 1.2** Does not apply. Does not show analysis results.
- **Table 2.1** Does not apply. Does not show analysis results.
- **Table 3.1** Does not apply. Does not show analysis results.
- **Table 3.2** Does not apply. Does not show analysis results.
- **Table 3.12** Does not apply. Does not show analysis results.

Results in the Annex

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: INTEL(R) XEON(R) PLATINUM 8562Y+ 2.80 GHz (2 processors)
- Memory available: 32.0 GB
- Software version: R 4.5.2, Stata 19.5 MP