



Corporate income tax incentives to promote environmentally sustainable investment

First Submission: FR_WLD_2024_211

Marina Visintini

reproducibility@worldbank.org

October 25th, 2024

This review verifies the reproducibility of the exhibits included in the paper "*Corporate income tax incentives to promote environmentally sustainable investment*".

Contents in this review:

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

Main findings

- The code was successfully executed on a new computer after:
 1. Changing the file paths in the main do file
 2. Setting the ado folder.
 3. Running the line: sysdir set PLUS "path"
 4. Installing the stata package "fre"
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 10 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors in the reproducibility package.
- Every exhibit has been reproduced accurately.
- **Reproducibility Summary:**
 - **Data:** All data is temporarily embargoed by the authors (expected to be made public in the future).
 - **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. The reviewers did not verify if publicly available data matches the data provided by the authors.
 - **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 1.1** Does not show analysis results
- **Figure 1.2** Does not show analysis results
- **Table 2.1** Does not show analysis results
- **Figure 2.2** Does not show analysis results
- **Figure 3.1** Reproduced The axes have different scales in the code output compared to the paper.
- **Figure 3.2** Reproduced
- **Figure 3.3** Reproduced
- **Figure 3.4** Reproduced
- **Figure 3.5** Reproduced
- **Figure 3.6** Reproduced
- **Figure 3.7** Reproduced
- **Figure 3.8** Reproduced
- **Figure 3.9** Reproduced Y axis 50% ticker is erroneously recoded as 10% in the code output.
- **Figure 3.10** Reproduced Y axis 50% ticker is erroneously recoded as 10% in the code output.
- **Figure 3.11** Reproduced
- **Figure 3.12** Reproduced

Results in the Annex

- **Table A.1** Does not show analysis results
- **Table A.2** Does not show analysis results
- **Table A.3** Does not show analysis results
- **Figure C.1** Reproduced
- **Figure C.2** Reproduced

Reproduction Environment

- Paper exhibits were reproduced in a computer with the following specifications:
 - OS: Windows 11 Enterprise
 - Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
 - Memory available: 15.7 GB
 - Software version: Stata 18.0 MP