



## *VAT Refunds and Firms' Performance: Evidence from a Withholding Reform in Honduras*

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*Nihaa Sajid*

*reproducibility@worldbank.org*

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This review verifies the reproducibility of the exhibits included in the paper "VAT Refunds and Firms' Performance: Evidence from a Withholding Reform in Honduras".

### **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 "winsor2"
- 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 in the reproducibility package.
- Every exhibit has been reproduced accurately.
- **Reproducibility Summary:**
  - **Data:** Some data is restricted 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. 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** Reproduced.
- **Figure 2** Reproduced.
- **Table 1** Reproduced.
- **Figure 3** Reproduced.
- **Table 2** Reproduced.
- **Figure 4** Reproduced.
- **Table 3** Reproduced.
- **Figure 5** Reproduced.
- **Table 4** Reproduced.
- **Figure 6** Reproduced.
- **Table 5** Reproduced.
- **Figure 7** Reproduced.
- **Table 6** Reproduced.
- **Figure 8** Reproduced.
- **Figure 9** Reproduced.

**Results in the Annex**

For the Appendix, we did not review every exhibit. Instead, we randomly selected 10 exhibits from the remaining exhibits to assess the appendix. Our review was based on those 10 exhibits. Since they were chosen randomly, we are operating under the assumption that if all randomly selected exhibits are reproducible, then the rest should be as well. The seed used to generate the random selection was 259690, and the exhibits selected were: Table A2, Figure A5, A7, A11, A13, A15, A19, A20, A21 and A23.

- **Table A2** Reproduced.
- **Figure A5** Reproduced.
- **Figure A7** Reproduced.
- **Figure A11** Reproduced.
- **Figure A13** Reproduced.
- **Figure A15** Reproduced.

- **Figure A19** Reproduced.
- **Figure A20** Reproduced.
- **Figure A21** Reproduced.
- **Figure A23** 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