



Fiscal Policy and Gender Equity: Insights from Multi-Country Fiscal Incidence Analysis

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This review verifies the reproducibility of the exhibits included in the paper "*Fiscal Policy and Gender Equity: Insights from Multi-Country Fiscal Incidence Analysis*".

Contents in this review:

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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 master do file "_Master.do".
 2. Updating the global directories.
 3. Installing the required dependencies and running the script.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 5 minutes.
- We conducted our reproducibility analysis based on the paper shared by the authors
- **Verification Process and Data Handling:**
 - The reproducibility package relies on open, accessible and restricted data (available only from the authors).
 - 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 forthcoming/accessible/limited-access/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, 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 1.1** Does not apply
- **Figure 3.1** Reproduced.
- **Table 3.1** Reproduced.
- **Table 4.1** Does not apply
- **Figure 4.1** Reproduced.
- **Table 4.2** Reproduced.
- **Figure 4.2** Reproduced.
- **Figure 4.3** Reproduced.
- **Figure 4.4 (Bulgaria)** Reproduced.
- **Figure 4.4 (Kenya)** Reproduced.
- **Figure 4.4 (Peru)** Reproduced.

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: Intel(R) Xeon(R) Gold 5218 CPU @ 2.30GHz (2.30 GHz) (2 processors)
- Memory available: 16 GB
- Software version: Stata 19.5 MP