



## *Explaining Gender Differences in Economic Outcomes in Burkina Faso*

*Fourth Submission: RR\_BFA\_2024\_131*

*Mahin Tariq, Luis Eduardo San Martin*

*reproducibility@worldbank.org*

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This review verifies the reproducibility of the exhibits included in the paper “*Explaining Gender Differences in Economic Outcomes in Burkina Faso*”.

### **Contents in this review:**

1. Main findings
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### *Main findings*

- The code was successfully executed on a new computer after:
  1. Changing the file paths in the main do file
  2. Adding the command `set varabbrev on` to the main do-file to enable the use of abbreviated variable names
  3. Installing the Stata packages `oaxaca`, `outreg2`, `unique`, and `winsor2`.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 30 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors on May 24th 2024 via email.
- All exhibits reproduced.
- **Reproducibility Summary:**
  - **Data:** All data sources are publicly available but are not included in the reproducibility package.
  - **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.
  - **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
- **Table 1A** Reproduced Values for "Percent gap" are missing from the code output.
- **Table 1B-Labor Force Regression Decomposition** Reproduced
- **Table 1B-Monthly Wage Decomposition** Reproduced
- **Table 1B-Monthly Business Revenues Regression Decomposition** Reproduced
- **Table 1B-Agric. Output Regression Decomposition** Reproduced
- **Table 2** Reproduced. Significance stars are missing from the code output.
- **Table 3** Reproduced
- **Table 4** Reproduced
- **Table 5** Reproduced
- **Table 6** Reproduced

**Results in the Annex**

- **Table 1** Reproduced
- **Table 2** Reproduced.
- **Table 3** Reproduced
- **Table 4** Reproduced
- **Table 5** Reproduced
- **Table 6** Reproduced
- **Table 7** Reproduced
- **Table 8** Reproduced
- **Table 9** Reproduced

*Reproduction Environment*

Paper exhibits were reproduced in two computers with the following specifications:

- Computer 1:
  - OS: Windows 11 Enterprise

- Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
  - Memory available: 15.7 GB
  - Software version: Stata 18 MP
- Computer 2:
  - OS: Windows 11 Enterprise
  - Processor: 11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60GHz 1.50 GHz
  - Memory available: 15.7 GB
  - Software version: Stata 18 MP