



Gender bias, citizen participation, and AI

Second Submission: RR_LAC_2024_255

Mahin Tariq

reproducibility@worldbank.org

January 16th, 2025

This review verifies the reproducibility of the exhibits included in the paper “*Gender bias, citizen participation, and AI*”.

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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 and python script.
 2. Setting the ado folder.
 3. Creating a new programming environment for the python code.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes less than 20 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 sources are publicly available but 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 had access to the same materials in the public reproducibility package. The reviewers did not verify if publicly available data matches the data in the 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** Does not apply Does not show analysis results
- **Figure 2** Does not apply Does not show analysis results
- **Figure 3** Reproduced
- **Table 1A** Does not apply Does not show analysis results
- **Figure 4A** Reproduced
- **Figure 4B** Reproduced
- **Figure 5** Reproduced
- **Figure 6** Reproduced

Results in the Annex

- **Appendix 1** Does not apply Does not show analysis results
- **Appendix 2** Does not apply Does not show analysis results

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, Python 3.11