



Tariffs as Catalysts: The Potential Development Dividend

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This review verifies the reproducibility of the exhibits included in the paper “*Tariffs as Catalysts: The Potential Development Dividend*”.

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Main findings

- **Figures 1, 6, 11 and 12 reproduced accurately. Figures 5, 7, and 10, and Tables A.1, A.2, and A.3 were virtually verified following Virtual Reproducibility Verification Protocols.**
- The code was successfully executed on a new computer after:
 1. Changing the file paths in the main dofile.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 3 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors in the reproducibility package.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 4 types of data: open, accessible (public but not included in the reproducibility package), limited-access (available to users), 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.
- **Reproducibility verification:** Reviewers verified the CGE simulation analysis via virtual verification because script 'RunSims.BAT' is run in GEMPACK software which requires a commercial license, replicators were not able to run it. Outputs for Figures 5, 7, and 10 and Tables A.1, A.2, and A.3 were virtually verified.
- **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 1a** Reproduced.
- **Figure 1b** Reproduced.
- **Figure 2** Does not apply. This exhibit was sourced from "Freund et al. (2024)"
- **Figure 3** Does not apply. This exhibit was sourced from "Agarwal, Barattieri and Mattoo, 2025"
- **Figure 4** Does not apply. This exhibit was sourced from "World Bank (2025)"
- **Figure 5** Reproduced. Virtually verified.
- **Figure 6** Reproduced.
- **Figure 7** Reproduced. Virtually verified.
- **Figure 8** Does not apply.
- **Figure 9** Does not apply.
- **Figure 10** Reproduced. Virtually verified.
- **Figure 11** Reproduced.
- **Figure 12** Reproduced.
- **Figure 13** Does not apply.

Results in the Annex

- **Table A.1** Reproduced. Virtually verified.
- **Table A.2** Reproduced. Virtually verified.
- **Table A.3** Reproduced. Virtually verified.
- **Table A.4** Does not apply.

Reproduction Environment

Paper exhibits were reproduced on 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