



Trade Diversion And Jobs: Evidence From Mexican Municipalities

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This review verifies the reproducibility of the exhibits included in the paper "*Trade Diversion And Jobs: Evidence From Mexican Municipalities*".

Contents in this review:

1. Main findings
2. List of exhibits and reproducibility status
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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. Updating the working directory of the do-file "`0_master.do`", and running it.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 10 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 two types of data: open, and accesible.
 - Open data is included in the public reproducibility package.
 - Reviewers used accessible 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:** All data sources are publicly available but not all are 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.
- **Dependencies environment:** The reviewers reproduced an existing environment for dependencies using dependency files or an environment metadata file provided by the authors.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1** Does not show analysis results. This figure was extracted from an external source and was not constructed by the authors. See README.
- **Figure 2** Reproduced. Figure was replicated from the data in Figure_2.xlsx.
- **Figure 3a** Reproduced. Verified against Figure_3a.png.
- **Figure 3b** Reproduced. Verified against Figure_3b.png.
- **Table 1** Reproduced. Verified against Table_1.xlsx.
- **Table 2** Reproduced. Verified against Table_2.xlsx.
- **Table 3** Reproduced. Verified against Table_3.xlsx.
- **Table 4** Reproduced. Verified against Table_4.xlsx.
- **Table 5** Reproduced. Verified against Table_5.xlsx.
- **Table 6** Reproduced. Verified against Table_6.xlsx.
- **Table 7** Reproduced. Verified against Table_7.xlsx.

Results in the Annex

- **Figure A1** Does not show analysis results. This figure was extracted from an external source and was not constructed by the authors. See README.
- **Figure A2** Reproduced. Verified against Figure_A2.png.
- **Table A1** Reproduced. Verified against Table_A1.xlsx.
- **Table A2** Reproduced. Verified against Table_A2.xlsx.
- **Table A3** Reproduced. Verified against Table_A3.xlsx.
- **Table A4** Reproduced. Verified against Table_A4.xlsx.
- **Table A5** Reproduced. Verified against Table_A5.xlsx.

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz
- Memory available: 32.0 GB
- Software version: Stata 19.5 MP