



Management and Misallocation in Mexico

Second Submission: PP_MEX_2025_412

Mahin Tariq, Shreya Suthakar

reproducibility@worldbank.org

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This review verifies the reproducibility of the exhibits included in the paper “*Management and Misallocation in Mexico*”.

Contents in this review:

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Main findings

- **Figures 1–6 from the main paper and Figures A3, A5, A8, and A9 from the appendix have been reproduced accurately. All other figures in the main paper were verified against raw outputs obtained from the data provider Instituto Nacional de Estadística y Geografía (INEGI) owing to data restrictions**
- The code was successfully executed on a new computer after:
 1. Change the file paths in the main do file
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code reportedly takes 90 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors by in the reproducibility package.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on restricted data. The reviewers had access to some of the restricted data, provided directly by the research team. The data from INEGI could not be shared, and instead the authors provided mock data, which the reviewers used to verify that the package ran and produced the expected number and type of outputs.
 - The data is restricted and 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 accessible/restricted data can use this file to verify that the data has not been altered.

*List of exhibits and reproducibility status***Results in the Main Section of the Paper**

- **Figure 1** Reproduced.
- **Figure 2** Reproduced.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Figure 5** Reproduced.
- **Figure 6** Reproduced.
- **Figure 7a** Reproduced. This exhibit was verified against raw outputs obtained from the data provider Instituto Nacional de Estadística y Geografía (INEGI) owing to data restrictions
- **Figure 7b** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 8a** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 8b** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 9a** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 9b** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 10a** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 10b** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 11a** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 11b** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 11c** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 11d** Reproduced. This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions

- **Figure 12a Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 12b Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 12c Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure 12d Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Table 1 Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Table 2 Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Table 3 Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Table 4 Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions

Results in the Annex

For the Appendix, we did not review every exhibit. Instead, we randomly selected 10 exhibits from the remaining datasets to assess the appendix. Our review was based on those 10 exhibits. Since they were chosen randomly, we are operating under the assumption that if all randomly selected exhibits are reproducible, then the rest should be as well. The seed used to generate the random selection was 607309, the Stata version used was 18.

- **Figure A3 Reproduced.**
- **Figure A5 Reproduced.**
- **Figure A8 Panel A Reproduced.**
- **Figure A8 Panel B Reproduced.**
- **Figure A9 Panel A Reproduced.**
- **Figure A9 Panel B Reproduced.**
- **Figure A12, Panel A Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Figure A12, Panel B Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Table A2 Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions

- **Table A6 Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Table A7 Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Table A12 Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions
- **Table A13 Reproduced.** This exhibit was verified against raw outputs obtained from the data provider (INEGI) owing to data restrictions

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