



The Impact of Technology on Migration to the United States from Central America and the Dominican Republic

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This review verifies the reproducibility of the exhibits included in the paper “*The Impact of Technology on Migration to the United States from Central America and the Dominican Republic*”.

Contents in this review:

1. Main findings
2. List of exhibits and reproducibility status
3. Reproduction Environment

Main findings

- **Every exhibit in the main paper has been reproduced accurately.**
- The code was successfully executed on a new computer after:
 1. Updating the working directory.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 6 hours to run.
- We conducted our reproducibility analysis based on the paper shared by the authors in the package.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 3 types of data: open, limited-access (available after purchase), and restricted data (available only from the authors).
 - Open data is included in the public reproducibility package.
 - Reviewers used limited-access and 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.
- **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 1** Results reproduced, but table or figure includes manual changes from code output.
- **Figure 2** Results reproduced, but table or figure includes manual changes from code output.
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- **Figure 18** Results reproduced, but table or figure includes manual changes from code output.
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- **Figure 21** Results reproduced, but table or figure includes manual changes from code output.
- **Figure 22** Results reproduced, but table or figure includes manual changes from code output.
- **Figure 23** Results reproduced, but table or figure includes manual changes from code output.

Results in the Annex

- **Figure 1** Results reproduced, but table or figure includes manual changes from code output.
- **Figure 2** Results reproduced, but table or figure includes manual changes from code output.
- **Figure 3** Results reproduced, but table or figure includes manual changes from code output.
- **Figure 4** Results reproduced, but table or figure includes manual changes from code output.
- **Table 1** Results reproduced, but table or figure includes manual changes from code output.
- **Table 2** Results reproduced, but table or figure includes manual changes from code output.
- **Table 3** Results reproduced, but table or figure includes manual changes from code output.
- **Table 4** Results reproduced, but table or figure includes manual changes from code output.

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: INTEL(R) XEON(R) PLATINUM 8562Y+ 2.80 GHz (4 processors)
- Memory available: 32.0 GB
- Software version: Stata 18.0 MP