



Territorial Inequalities: A Note on State Discontinuity

Second Submission: RR_WLD_2025_356

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This review verifies the reproducibility of the exhibits included in the paper "*Territorial Inequalities: A Note on State Discontinuity*".

Contents in this review:

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Main findings

- **Every exhibit 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 an hour to run.
- We conducted our reproducibility analysis based on the paper shared by the authors in the package.
- The reproducibility verification was conducted using data provided directly by the authors, including some limited-access datasets that are not part of the publicly shared reproducibility package. Reviewers cross-checked the publicly available versions of these datasets and identified differences, which may be due to periodic updates or other changes in the underlying databases. As a result, reproducing the analysis with the current version (May 2025) of the data may lead to variations in the outputs. Details of these differences are documented in the file `comparison_report.csv`, which is included in the reproducibility package.
- **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.

- **Reproducibility verification:** Reviewers used data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package. The reviewers verified that publicly available data matches the data provided by the authors.
- **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

- **Table 1** Does not apply.
- **Table 2** Does not apply.
- **Table 3** Reproduced.
- **Table 4** Reproduced.
- **Table 5** Reproduced.
- **Table 6** Reproduced.
- **Figure 1** Reproduced.
- **Figure 2** Reproduced.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Figure 5** Reproduced.

Results in the Annex

- **Table A.1** Does not apply.
- **Table A.2** Does not apply.
- **Table A.3** Reproduced.
- **Table A.4** Reproduced.
- **Figure A.1** Reproduced.
- **Figure A.2** Reproduced.
- **Figure A.3** Reproduced.
- **Figure A.4** Reproduced.
- **Figure A.5** Reproduced.
- **Figure A.6** Reproduced.

Reproduction Environment

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

- OS: Windows 10 Enterprise
- Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz 2.90 GHz (2 processors)
- Memory available: 32.0 GB
- Software version: Stata 18.0 MP