



Stuck in a Conflict Trap: the Case of the Central African Republic War

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This review verifies the reproducibility of the exhibits included in the paper “*Stuck in a Conflict Trap: The Case of the Central African Republic Civil War*”.

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Main findings

- The code was successfully executed on a new computer after changing file paths and changing any backward slashes to forward slashes in file paths (i.e. in /Output/) to ensure compatibility with Mac and Linux.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code three times consecutively yielded identical results.
- All results reproduced as shown in the paper

Reproducibility assessment

Paper exhibits were attempted to be reproduced on two computers with the following specifications:

- Computer 1:
 - OS: MacOS Ventura
 - Processor: Apple M1
 - Memory available: 8 GB
 - Software version: Stata MP 14.0
- Computer 2
 - OS: Windows 10 Enterprise, version 21H2
 - Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.9GHz
 - Memory available: 128 GB
 - Software version: Stata 18.0 MP

The code runtime was 10 minutes.

We conducted our reproducibility analysis based on the paper shared by the authors in their reproducibility package *20231130-synthetic-conflict-car*. Our validation involved comparing the results generated by the code with the exhibits in the paper to assess their consistency.

All tables and figures exported directly as output files reproduced as displayed in the papers, and the exhibits generated manually in Excel were reproduced by re-creating their underlying data following the instructions in the README.

List of exhibits and reproducibility status

Results

- **Figure 1** Reproduced
- **Figure 2a** Reproduced
- **Figure 2b** Reproduced
- **Figure 3a** Reproduced
- **Figure 3b** Reproduced
- **Figure 4a** Reproduced
- **Figure 4b** Reproduced
- **Figure 4c** Reproduced
- **Figure 5a** Reproduced
- **Figure 5b** Reproduced
- **Figure 6a** Reproduced
- **Figure 6b** Reproduced
- **Figure 7a** Reproduced
- **Figure 7b** Reproduced
- **Figure 8a** Reproduced
- **Figure 8b** Reproduced
- **Figure 9a** Reproduced
- **Figure 9b** Reproduced
- **Figure 10a** Reproduced
- **Figure 10b** Reproduced

- **Figure 10c** Reproduced
- **Figure 11a** Reproduced
- **Figure 11b** Reproduced
- **Table A1** Reproduced