



Are regional fiscal multipliers on EU structural and investment fund spending large? A reassessment of the evidence

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This review verifies the reproducibility of the exhibits included in the paper “*Are regional fiscal multipliers on EU structural and investment fund spending large? A reassessment of the evidence*”.

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Main findings

- **Every exhibit was successfully reproduced, with the exception of Table 6, which exhibits minor discrepancies relative to the online published version as a result of a data processing correction.**
- 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 10 minutes to run.
- We conducted our reproducibility analysis based on the paper linked in the README.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 2 types of data: open and limited-access (available through WBG library).
 - Open data is 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.
- **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** Reproduced.
- **Table 1** Reproduced.
- **Table 2** Reproduced.
- **Table 3** Reproduced.
- **Table 4** Reproduced.
- **Table 5** Reproduced.
- **Table 6** Partially Reproduced. This table differs slightly from the version published online due to a minor data processing issue. The correct version of Table 6 can be reproduced using the provided code, and the results are available in MainTables.xlsx. Further details are provided in the README.

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