Reproducible Research Repository

Designing and Analyzing Powerful Experiments: Practical Tips for Applied Researchers

First Submission: RR_WLD_2025_394
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This review verifies the reproducibility of the exhibits included in the paper *"Designing and Analyzing Powerful Experiments: Practical Tips for Applied Researchers Designing and Analyzing Powerful Experiments: Practical Tips for Applied Researchers"*.

Contents in this review:

Main findings

- **Every exhibit has been reproduced accurately.**
- The code was successfully executed on a new computer after:
  1. Changing the path in the main do file *FiscalStudies.do*.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 1 minute to run.
- We conducted our reproducibility analysis based on the paper shared by the authors by email on July 12.
- **Reproducibility Summary**:
  - **Data**: All data sources are publicly available and 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 had access to the same materials in the public reproducibility package. The reviewers verified that publicly available data matches the data in the reproducibility package. Hashes and the comparison report are included in the reproducibility package.
  - **Dependencies environment**: The package does not have external dependencies.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1** Reproduced.

Reproduction Environment

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

- OS: Mac OS Sequoia 15.5
- Processor: Apple M4 Pro
- Memory available: 24 GB
- Software version: Stata 18.0