



FTT-FLEX: Flexible Technology Diffusion Analysis Tool for Data Poor Countries

Second Submission: RR_GNB_2024_129

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This review verifies the reproducibility of the exhibits included in the paper “*FTT-FLEX: Flexible Technology Diffusion Analysis Tool for Data Poor Countries*”.

Contents in this review:

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Main findings

- The code was successfully executed on a new computer.
- 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 via OneDrive on May 21, 2024.
- Every exhibit has been reproduced accurately by the reviewers.
- Users will not be able to reproduce the results of the paper, as access to some input data sources is restricted, and access to the intermediate dataset used to produce the results is also restricted.
- **Reproducibility Summary:**
 - **Data:** Two datasets are restricted, two are public but not included in the reproducibility package, and two are public and included in the reproducibility package. For more details, please refer to the README file.
 - **Code:** Some code files are confidential and have not been included in the reproducibility package (details provided in the README file).
 - **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 some of this is not included in the public reproducibility package. The reviewers did not verify if publicly available data matches the data provided by the authors.
 - **Dependencies environment:** The reproducibility package does not use external dependencies.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1** Does not apply: the exhibit does not show analysis results.
- **Figure 2** Does not apply: the exhibit does not show analysis results.
- **Table 1** Does not apply: the exhibit does not show analysis results.
- **Table 2** Does not apply: the exhibit does not show analysis results.
- **Figure 3** Does not apply: the exhibit does not show analysis results.
- **Figure 4** Does not apply: the exhibit shows results from another publication.
- **Figure 5 - Left panel** Reproduced
- **Figure 5 - Right panel** Reproduced
- **Figure 6 - Left panel** Reproduced
- **Figure 6 - Right panel** Reproduced
- **Figure 7 - Left panel** Reproduced
- **Figure 7 - Right panel** Reproduced
- **Figure 8 - Left panel** Reproduced
- **Figure 8 - Right panel** Reproduced
- **Table 4** Reproduced (note that Table 3 is not included in the paper, Table 4 comes after Table 2).

Reproduction Environment

- Paper exhibits were reproduced in a computer with the following specifications:
 - OS: Windows 11 Enterprise
 - Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
 - Memory available: 15.7 GB
 - Software version: EViews 13 Enterprise Edition - May 7 2024 build