



Motherhood and Labor Market Trajectories in Türkiye.

First Submission: RR_TUR_2026_627

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May 12, 2026

This review verifies the reproducibility of the exhibits included in the paper "*Motherhood and Labor Market Trajectories in Türkiye.*".

Contents in this review:

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Main findings

- **Every exhibit in the main section of the paper and 10 randomly selected exhibits in the appendix were reproduced accurately**
- The code was successfully executed on a new computer after:
 1. Updating the directory for the Panel "Master.do" in the panel folder and running the script
 2. Updating the directory for the cross-section "Master.do" in the cs folder and running the script
 3. Updating the directory for the heterogeneity "Master.do" in the heterogeneity folder and running the script
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 25 minutes
- We conducted our reproducibility analysis based on the paper shared by the authors
- **Verification Process and Data Handling:**
 - The reproducibility package relies on open and restricted data (available only from the authors).
 - Open data is included in the public reproducibility package.
 - Reviewers used restricted data provided directly by the authors to conduct the reproducibility verification, and this is not 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 forthcoming/accessible/limited-access/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.
- **Figure 2** Reproduced.
- **Figure 3** Does not apply
- **Table 2** Reproduced.
- **Figure 4** Reproduced.
- **Figure 5** Reproduced.
- **Figure 6** Reproduced.
- **Table 3** Reproduced.
- **Figure 7** Reproduced.
- **Figure 8** Reproduced.
- **Figure 9** Reproduced.
- **Figure 10** Reproduced.
- **Figure 11** Reproduced.

Results in the Annex

For the Appendix, we did not review every exhibit. Instead, we randomly selected 10 exhibits from the remaining datasets to assess the appendix. Our review was based on those 10 exhibits. Since they were chosen randomly, we are operating under the assumption that if all randomly selected exhibits are reproducible, then the rest should be as well. The seed used to generate the random selection was 111818, the Stata version used was 19, and the exhibits selected were: Figure B1, Figure B2, Figure B4, Figure B5, Table B1, Table B2, Figure C1, Figure C2, Figure C3 and Figure C4,

- **Figure B1** Reproduced.

- **Figure B2** Reproduced.
- **Figure B4** Reproduced.
- **Figure B5** Reproduced.
- **Table B1** Reproduced.
- **Table B2** Reproduced.
- **Figure C1** Reproduced.
- **Figure C2** Reproduced.
- **Figure C3** Reproduced.
- **Figure C4** Reproduced.

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: Intel(R) Xeon(R) Gold 5218 CPU @ 2.30GHz (2.30 GHz) (2 processors)
- Memory available: 16 GB
- Software version: Stata 19.5 MP