



Family Matters: Social Networks and Women's Economic Empowerment

First Submission: RR_AFR_2026_552

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February 25, 2026

This review verifies the reproducibility of the exhibits included in the paper "*Family Matters: Social Networks and Women's Economic Empowerment*".

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. Changing the main 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 shared by the authors in the reproducibility package on January 19th.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 1 type of data: forthcoming.
 - Reviewers used the data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package. The data is forthcoming on the World Bank Microdata Library.
 - *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:** All 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

- **Table 1** Reproduced.
- **Figure 1** Reproduced.
- **Figure 2** Reproduced.
- **Figure 3** Reproduced.
- **Table 2** Reproduced.
- **Table 3** Reproduced.
- **Figure 4** Reproduced.
- **Table 4** Reproduced.
- **Table 5** Reproduced.
- **Table 6** Reproduced.
- **Table 7** Reproduced.
- **Table 8** Reproduced.

Results in the Annex For the Appendix, we did not review every exhibit. Instead, we randomly selected 10 exhibits 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 183449, the Stata version used was 19, and the exhibits selected were: 2, 4, 5, 8, 9, 10, 11, 12, 13, 14.

- **Table A2** Reproduced.
- **Table A5** Reproduced.
- **Table A7.1** Reproduced. Verified against *Table_2_me_logit.rtf*.
- **Table A7.4** Reproduced. Verified against *Table_5_me_logit.rtf*.
- **Table A7.5** Reproduced. Verified against *Table_6_me_logit.rtf*.
- **Table A7.6** Reproduced. Verified against *Table_7_me_logit.rtf*.

- **Table A7.7 Reproduced.** Verified against *Table_8_me_logit.rtf*.
- **Table A8 Reproduced.** Verified against *Table_LASSO_work.rtf*.
- **Table A8.2 Reproduced.** Verified against *Table_LASSO_paidwork.rtf*.
- **Table A8.3 Reproduced.** Verified against *Table_LASSO_hours.rtf*.

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: Intel(R) Core(TM) Ultra 7 165U @ 2.60GHz
- Memory available: 31 GB
- Software version: Stata 19 MP