



## *Wealth, Marriage, and Sex Selection*

*Third Submission: PP\_IND\_2024\_81*

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This review verifies the reproducibility of the exhibits included in the paper “*Wealth, Marriage, and Sex Selection*”.

### **Contents in this review:**

1. Main findings
2. List of exhibits and reproducibility status
3. Reproduction Environment

### *Main findings*

- **Every exhibit has been reproduced accurately.**
- The code was successfully executed on a new computer after:
  1. Updating the global directory.
- The code takes approximately 3 weeks to run.
- We conducted our reproducibility analysis based on the paper shared by the authors on April 30, 2025.
- **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.
  - **Reproducibility verification:** Reviewers used data provided directly by the authors to conduct the reproducibility verification, and 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 reviewers created a new environment for dependencies using the latest versions available for each dependency at the moment of the review.

*List of exhibits and reproducibility status***Results in the Main Section of the Paper**

- **Figure 1** Reproduced.
- **Figure 2** Reproduced.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Table 1** Reproduced.
- **Table 2** Reproduced.
- **Table 3** Reproduced.
- **Table 4** Reproduced.

**Results in the Annex**

- **Table A1** Reproduced.
- **Table A2** Reproduced.
- **Table A3** Reproduced.
- **Table A4** Reproduced.
- **Table A5** Reproduced.
- **Table A6** Reproduced.
- **Figure A1** Reproduced.
- **Figure A2** Reproduced.
- **Figure A3** Reproduced.
- **Figure A4** Reproduced.
- **Figure A5** Reproduced.
- **Figure A6** Reproduced.
- **Figure A7** Reproduced.

*Reproduction Environment*

- Paper exhibits were reproduced in two computers with the following specifications:
  - First Specification:
    - \* OS: Windows Server 2019 Standard
    - \* Processor: Intel(R) Xeon(R) CPU E7-4850 v4 @ 2.10GHz 2.10GHz (16 processors)
    - \* Memory available: 64 GB
    - \* Software version: Stata 18.0 MP
  - Second Specification:
    - \* OS: Windows 10 Enterprise
    - \* Processor: Intel(R) Xeon(R) Gold 6132 CPU @ 2.60GHz, 2600 Mhz, 16 Core(s), 16 Logical Processor(s)
    - \* Memory available: 128 GB
    - \* Software version: Matlab 2024b