



Two Decades of Top Income Shares in Honduras

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This review verifies the exhibits' reproducibility in the paper "*Two Decades of Top Income Shares in Honduras*".

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Main findings

- The code was successfully executed on a new computer after:
 1. Changing the file paths in the main do file.
 2. Verifying the installation of the needed packages.
 3. Being outside the WB's network for the code *7c_wid_TableComparisons* to run properly.
- The output appears to be stable across multiple runs. There are variations in the .png files, which are expected due to the inclusion of timestamps, but upon review, there aren't notable changes.
- The full code takes approximately 45 minutes to run.
- Every exhibit has been reproduced accurately by the provided package.

Reproducibility assessment

- Paper exhibits were attempted to be reproduced a computer with the following specifications:
 - OS: Windows 11 Enterprise
 - Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
 - Memory available: 11.7 GB
 - Software version: Stata version 17, R version 4.3.2
- Our reproducibility analysis was conducted based on the paper present in the reproducibility package. The validation process involved comparing the code-generated results with the paper's exhibits to assess consistency.

- **Reproducibility Summary:**

- **Data:** Some data is confidential and not included in the package (details provided in README).
- **Code:** All code files are included in the package but operate from intermediate data, not raw data.
- **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 package.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Table 1 Reproduced.** Reviewed against numbers.tex
- **Table 2 Reproduced.** Reviewed against 'table_sample_paper'. The numerical values are accurately replicated. However, it should be noted that the presence of the other .tex file (table_sample) might be confusing for the replicator.
- **Table 3 Reproduced.** Reviewed against new_inc_shares_wid
- **Table 4 Reproduced.** Reviewed against regression_gender
- **Figure 1 Reproduced.** The figure produced by the code exhibits slight formatting variations compared to the one in the paper. However, these differences do not compromise the overall reproducibility. This was reviewed using panel a: macro_adjustment_factors_NNI and panel b: reviewed using macro_adjustment_factors.
- **Figure 2 Reproduced.** The figure generated by the code shows slight formatting variations when compared to the version presented in the paper. However, these variations do not affect the overall reproducibility. The review was conducted using top_distribution_macro19.
- **Figure 3 Reproduced.** The review was conducted using panel a: composition_detail_macro_20112019, panel b: composition_wid_macro_20112019.
- **Figure 4 Reproduced.** The review was conducted using AllMeasuresNA_merge_long.
- **Figure 5 Reproduced.** The review was conducted using top1_alternative_definitions
- **Figure 6 Reproduced.** The review was conducted using panel a: share_shareholder_before_after panel b: share_belowMW
- **Figure 7 Reproduced.** The review was conducted using top_baseline_nocorp
- **Figure 8 Reproduced.** The review was conducted using stability_oneyears_one for panel a and stability_oneyears_three for panel b.
- **Figure 9 Reproduced.** The review was conducted using top_share_female.
- **Figure 10 Reproduced.** The review was conducted using share_income_wid_pooled_gender

Results in the Appendix

- **Figure A.1:** Reproduced.
- **Table A.1:** Not applicable
- **Table A.2:** Reproduced.
- **Figure A.2:** Reproduced.
- **Figure A.3:** Reproduced.
- **Figure A.4:** Reproduced.
- **Table A.3:** Reproduced.
- **Table A.4:** Reproduced.
- **Table B.1:** Reproduced.
- **Table C.1:** Reproduced.
- **Figure C.1:** Reproduced.
- **Figure C.2:** Reproduced.
- **Figure C.3:** Reproduced.
- **Table C.2:** Reproduced.
- **Figure E.1:** Reproduced.
- **Figure E.2:** Reproduced.
- **Figure E.3:** Reproduced.
- **Figure E.4:** Reproduced.
- **Table E.1:** Reproduced.
- **Table F.1:** Reproduced.
- **Table G.1:** Reproduced.