Reproducible Research Repository

Fiscal Policy, Poverty, and Inequality in a Constrained Environment: The Case of the West Bank and Gaza

Fourth Submission: RR_PSE_2024_20-v04
Ankriti Singh
reproducibility@worldbank.org
January 19, 2024

This review verifies the reproducibility of the exhibits included in the paper *"Fiscal Policy, Poverty, and Inequality in a Constrained Environment: The Case of the West Bank and Gaza"*.

Contents in this review:

1. Main findings

2. List of exhibits and reproducibility status

Main findings

1. Paper exhibits were attempted to be reproduced in a computer with the following specifications:

   - OS: Windows 10 Enterprise, version 21H2

   - Processor: Intel(R) Xeon(R) CPU E7-4890 v2 @ 2.80GHz 2.80 GHz

   - Memory available: 5.9 GB

   - Software version: Stata 17

2. The code was successfully executed on a new computer after:

   - Changing the directory in the `00_PSE_master.do`.

3. The output generated by the code was stable across two successive runs.

4. The code takes less than 20 minutes to run.

5. The paper exhibits are fully reproducible. Five figures were reproducible but required manual steps.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1-1** Does not apply.

- **Table 2-1** Does not apply.

- **Table 2-2** Does not apply.

- **Table 2-3** Does not apply.

- **Table 2-4** Does not apply.

- **Figure 2-1** Does not apply.

- **Figure 2-2** Does not apply.

- **Figure 3-1** Does not apply.

- **Table 4-1** Does not apply.

- **Table 4-2** Reproduced. The exhibit was not produced by code. However, the values were verified following authors description in the README file.

- **Figure 5-1** Reproduced. The exhibit was compared against pov_pgt.png.

- **Figure 5-2** Reproduced. The exhibit was compared against gini_pgt.png.

- **Figure 5-3** Reproduced. The exhibit was compared against FIFGP.png

- **Figure 5-4** Reproduced. The exhibit was compared against netcashben_line.png

- **Figure 6-1** Results reproduced, but the figure includes manual changes from code output. The exhibit was compared against mc_ineq.png.

- **Figure 6-2** Results reproduced, but the figure includes manual changes from code output. The exhibit was compared against mc_pov.png.

- **Figure 6-3** Reproduced. The exhibit was compared against kkw_trans.png

- **Figure 6-4** Reproduced. The exhibit was compared against kkw_tax.png

- **Figure 7-1** Reproduced. Part a of the figure was compared against inc_ym_tax.png. Part b of the figure was compared against cs_ym_tax.png.

- **Figure 7-2** Reproduced. Part a of the figure was compared against inc_ym_transfer.png. Part b of the figure was compared against cs_ym_transfers.png

- **Figure 8-1** Does not apply.

- **Figure 8-2** Does not apply.

- **Table 9-1** Results reproduced, but the table includes manual changes from code output. The exhibit was compared against c1.xlsx. "Admin 2017" column was not validated since it wasn't generated as an output of the code.

Results in the Appendix

- **Figure A.1** Reproduced The exhibit was compared against comp_pdi_gpt.png.

- **Figure A.2** Results reproduced, but the table includes manual changes from code output. The exhibit was compared against AnnexC.xlsx.

- **Table B.1** Does not apply.

- **Table C.1** Reproduced. The exhibit was compared against pdi_pgt.xlsx.