A New Distribution Sensitive Index for Measuring Welfare, Poverty, and Inequality

Reproducibility Check Results

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Main findings

☑ The code ran in a new computer

☑ All the code outputs are stable over successive runs of the code

☑ All results that do not use restricted-access data were reproduced by the code
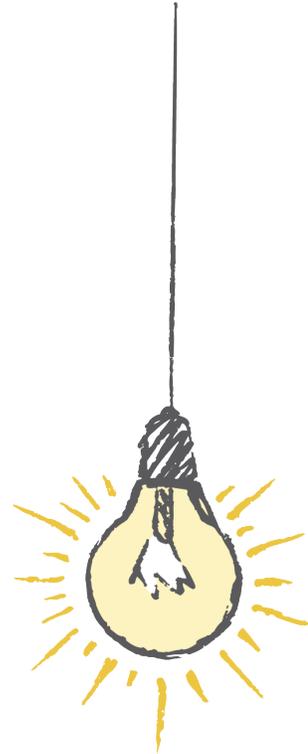
System specifications

Results were attempted to be reproduced in a computer with the following specifications:

- OS: Microsoft Windows 10 Enterprise, Version 10.0.19044 Build 19044

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

- Memory available: 16GB

- Software version: Stata 17

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Table 1.1** Does not apply: the exhibit does not show code results.

- **Figure 2.1** Does not apply: the exhibit does not show code results.

- **Table 2.1** Does not apply: the exhibit does not show code results.

- **Table 3.1** Reproduced

- **Figure 3.1** Results reproduced, but the paper exhibit contains aesthetic changes not included in the code. The exhibit shows horizontally-oriented y-axis labels while the code output has vertically-oriented labels.

- **Figure 3.2** Results reproduced, but the paper exhibit contains aesthetic changes not included in the code. The exhibit shows horizontally-oriented y-axis labels while the code output has vertically-oriented labels.

- **Figure 3.3** Results reproduced, but the paper exhibit contains aesthetic changes not included in the code. The exhibit shows horizontally-oriented y-axis labels while the code output has vertically-oriented labels.

- **Table 3.2** Numbers reproduced, but the paper exhibit includes changes in the order of the columns and column names that are not included in the code output. These columns and their order have no direct correspondence with the variables in table 3.2 which show countries and years sorted by income level and year. The reviewers were able to infer which column in the exhibit corresponded to which column in the exhibit, but that should be clear in both tables by the column names.

- **Figure 4.1** Reproduced.

- **Table 4.1** Reproduced.

- **Figure 4.2** Reproduced.

- **Figure 4.3** Reproduced.

- **Figure 4.4** Reproduced.

- **Figure 4.5** Reproduced.

  Results in the Appendix

- **Figure C.1** Results reproduced, but the paper exhibit contains aesthetic changes not included in the code. The exhibit shows horizontally-oriented y-axis labels while the code output has vertically-oriented labels. Additionally, line styles are not identical.

- **Figure C.2** Results reproduced, but the paper exhibit contains aesthetic changes not included in the code. The exhibit shows horizontally-oriented y-axis labels while the code output has vertically-oriented labels.

- **Figure E.1** Results reproduced, but the paper exhibit contains aesthetic changes not included in the code. The exhibit shows horizontally-oriented y-axis labels while the code output has vertically-oriented labels.

- **Figure E.2** Results reproduced, but the paper exhibit contains aesthetic changes not included in the code. The exhibit shows horizontally-oriented y-axis labels while the code output has vertically-oriented labels.