Economic sentiments and expectations in Sub-Saharan Africa in a time of multiple shocks

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This review verifies the reproducibility of the exhibits included in the paper *"Economic sentiments and expectations in Sub-Saharan Africa in a time of multiple shocks"*
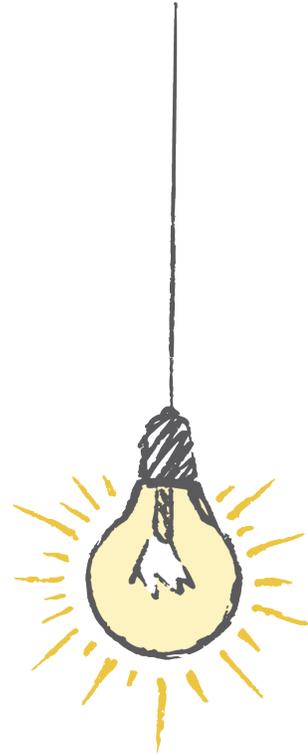
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Main findings

- The Stata code ran on a Windows computer with Stata17 and a Mac computer with Stata 18 – with a total runtime of 128 seconds and verified stability – after:

    - Updating paths

- The code shows stability by producing identical results after three consecutive runs.

- All results are reproduced, though many tables include manual changes from the code input. You can find more details in section: List of exhibits and reproducibility status.

Reproducibility assessment

- Paper was reproduced on two computers with the following specifications:

    1. Computer 1:
        - OS: Windows 11 Enterprise
        - Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
        - Memory available: 15.7 GB
        - Software version: Stata version 17

    2. Computer 2:
        - OS: macOS Ventura

- – Processor: Apple M1
- – Memory available: 8 GB
- – Software version: Stata version 18

- We conducted our reproducibility analysis based on the file *Wollburg EtAl_101023* supplied in the authors' reproducibility package resubmitted on October 10. Our validation involved comparing the results generated by the code in Stata with the exhibits in the paper to assess their consistency.

- Overview

  - – The generated files necessitate manual aggregation and modifications for full reproducibility.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1** Results reproduced, but table includes manual changes from code output

  - – A (F1Q1), B (F1Q4), C(F1Q2), D (F1Q5)

  - – Figures reproduced but lack titles. The mapping of titles to figures in the README is appreciated as a temporary fix.

- **Figure 2** Results reproduced, but table includes manual changes from code output

    A (F1Q6), B (F1Q7), C(F1Q8), D (F1Q9)

  - – Figures reproduced but lack titles. The mapping of titles to figures in the README is appreciated as a temporary fix.

- **Figure 3** Results reproduced, but table includes manual changes from code output

    A (F3P1), B (F3P2), C(F3P3), D (F3P4)

  - – Figures reproduced but lack titles. The mapping of titles to figures in the README is appreciated as a temporary fix.

- **Figure 4** Reproduced

  - – A (F4P1), B (F4P2), C(F4P3), D (F4P4)

Results in the Annex

- **Tables A1-A7** Results reproduced, but table includes manual changes from code output

  – Tables are fragmented and lack y-axis labels and titles, requiring manual changes to reconcile.

- **Table A8** Results reproduced, but table includes manual changes from code output

  – Tables are fragmented and lack labels and titles, requiring manual changes to reconcile.

  – Tables contain numbers not included in the paper (Column A).

- **Table A9-26** Results reproduced, but table includes manual changes from code output

  – Tables lack full labels, titles, bold formatting, and caption (A23), requiring manual changes to reconcile.

  – Tables require trimming of decimal places (i.e. for sample sizes) to reproduce paper tables, though the current manual changes do not result in any rounding errors.