



Hooked on Subsidies: The Case for Reform

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This review verifies the reproducibility of the exhibits included in the paper “*Hooked on Subsidies: The Case for Reform*”.

Contents in this review:

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

Main findings

- **Every exhibit in the main section of the paper has been reproduced accurately.**
- The code was successfully executed on a new computer after:
 1. Following the specific instructions for each chapter.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 5 hours to run.
- The reproducibility analysis was conducted using the draft report shared by the authors on February 20, 2026. The final report was received on March 25, 2026. All exhibits were verified against the draft report, where the outputs produced by the code and Excel matched the exhibits included in the draft. The final report contains exhibits that were reformatted by the editor and differ from the draft in appearance. As a final check, the exhibits in the draft and final reports were compared to confirm that the underlying values are consistent.
- The reproducibility package does not include the data or code used to generate the exhibits in the Annex. Consequently, the exhibits in the Annex are not verified.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 3 types of data: open, limited-access (available to World Bank staff), and forthcoming (forthcoming to World Bank Development Data Hub).
 - Open data is included in the public reproducibility package.
 - Reviewers used forthcoming/limited-access data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package. The data is forthcoming on the World Bank Development Data Hub.

- *data_hash_report.csv* lists the SHA256 hashes of all files in the Data folder to support data integrity checks. Users who acquire the forthcoming/limited-access data can use this file to verify that the data has not been altered.
- **Reproducibility Summary:**
 - **Data:** Some data is limited-access 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.
 - **Dependencies environment:** The reviewers created a new environment using the latest versions of dependencies available at the moment of the review.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

Chapter 1

- **Figure 1.1** Does not apply.
- **Figure 1.2** **Reproduced.** Exhibit was manually prepared in Excel.
- **Figure 1.3** **Reproduced.** Exhibit was manually prepared in Excel.
- **Figure 1.4** **Reproduced.** Exhibit was manually prepared in Excel.
- **Figure 1.5** **Reproduced.** Exhibit was manually prepared in Excel.
- **Figure 1.6** **Reproduced.** Exhibit was manually prepared in Excel.
- **Figure 1.7** **Reproduced.** Exhibit was manually prepared in Excel.
- **Figure 1.8** **Reproduced.** Exhibit was manually prepared in Excel.
- **Figure 1.9** **Reproduced.** Exhibit was manually prepared in Excel.
- **Table 1.1** Does not apply.
- **Table 1.2** **Reproduced.** Exhibit was manually prepared in Excel.

Chapter 2

- **Figure 2.1** Does not apply.
- **Figure 2.2** Does not apply.

Chapter 3

- **Figure 3.1** Does not apply.

- **Figure 3.2** Does not apply.
- **Table 3.1** Does not apply.

Chapter 4.1

- **Figure 4.1** Reproduced.
- **Figure 4.2** Reproduced.
- **Figure 4.3** Reproduced.
- **Table 4.1** Does not apply.

Chapter 4.2

- **Table 4.2** Does not apply.
- **Figure 4.4** Reproduced.

Chapter 4.3

- **Figure B4.4.1** Reproduced.

Chapter 5.1

- **Figure 5.1** Reproduced.
- **Figure 5.2** Reproduced.
- **Figure 5.3** Reproduced.
- **Figure 5.4** Reproduced.
- **Figure 5.5** Reproduced.

Chapter 5.2

- **Figure 5.6** Reproduced. Exhibit was manually prepared in Excel.
- **Figure 5.7** Does not apply.
- **Figure B5.3.1** Does not apply.
- **Table 5.1** Does not apply.
- **Table 5.2** Reproduced. Exhibit was manually prepared in Excel.

Chapter 5.3

- **Figure 5.8** Reproduced. Exhibit was manually prepared in Excel.
- **Figure 5.9** Does not apply
- **Figure 5.10** Does not apply

Chapter 5.4

- **Figure 5.11** Reproduced. Exhibit was manually prepared in Excel.

Reproduction Environment

Paper exhibits were reproduced on a computer with the following specifications:

- OS: Windows 11 Enterprise
- Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz (2.90 GHz) (2 processors)
- Memory available: 16.0 GB
- Software version: Stata 19.0 MP; R version 4.5.1 ; Python 3.10.19; Excel version 2512