Reproducible Research Repository

Credit Constraints and Capital Allocation in Agriculture: Theory and Evidence from Uganda

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This review verifies the reproducibility of the exhibits included in the paper *"Credit Constraints and Capital Allocation in Agriculture: Theory and Evidence from Uganda"*.

Contents in this review:

1. Main findings
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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. Changing the file paths in the main do file
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 30 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors in the reproducibility package.
- **Verification Process and Data Handling**:
  - The reproducibility package relies on 2 types of data: open, and embargoed (expected to be made public in the future).
  - Open data is included in the public reproducibility package.
  - Reviewers used embargoed 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 Microdata Library.
  - *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/accessible/limited-access/restricted data can use this file to verify that the data has not been altered.
- **Reproducibility Summary**:

- **Data**: Some data is temporarily embargoed by the authors (expected to be made public in the future).
- **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

- **Figure 1** Reproduced.
- **Figure 2** Does not apply
- **Figure 3** Does not apply
- **Figure 4** Does not apply
- **Figure 5** Does not apply
- **Figure 6** Reproduced.
- **Figure 7** Reproduced.
- **Figure 8** Reproduced.
- **Figure 9** Reproduced.
- **Table 1** Reproduced.
- **Table 2** Reproduced.
- **Table 3** Reproduced.

Results in the Annex

- **Table A1** Reproduced.
- **Table A2** Reproduced.
- **Table A3** Reproduced.
- **Table A4** Reproduced.
- **Table A5** Reproduced.
- **Table B1** Reproduced.
- **Table B2** Reproduced.

- **Table B3** Reproduced.
- **Table B4** Reproduced.
- **Table B5** Reproduced.
- **Table B6** Reproduced.
- **Table C1** Reproduced.
- **Table C2** Reproduced.
- **Table C3** Reproduced.
- **Table C4** Reproduced.
- **Table C5** Reproduced.
- **Table C6** Reproduced.
- **Figure C1** Reproduced.
- **Figure D1** Reproduced.
- **Figure D2** Reproduced.

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
- Memory available: 15.7 GB
- Software version: Stata 18.5 MP