Reproducible Research Repository

Cash Is Queen: Local Economy Effects of Cash Transfers to Women in West Africa

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This review verifies the reproducibility of the exhibits included in the paper "*Cash Is Queen: Local Economy Effects of Cash Transfers to Women in West Africa*".

Contents in this review:

1. Main findings

2. List of exhibits and reproducibility status

3. Reproduction Environment

Main findings

- **Every exhibit has been reproduced accurately.**

- The code was successfully executed on a new computer after:

  1. Setting the project folder in the do-file *MasterDofile_CashIsQueen.do*.
  2. Setting the project folder in the R scripts *AppendixB_RScript.R* and *AppendixD_RScript.R*

- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.

- The code takes approximately 9 hours to run.

- We conducted our reproducibility analysis based on the paper shared by the authors via OneDrive on April 3rd, 2025 (*FinalManuscript_CashIsQueen_032025.pdf*).

- **Reproducibility Summary**:

  - **Data**: All data is temporary embargoed by the authors and is expected to be made publicly available in the future. However, some datasets will remain restricted even after the embargo is lifted and will not be 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.
  - **Reproducibility verification**: Reviewers used data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package. The reviewers did not verify if publicly available data matches the data provided by the authors.
  - **Dependencies environment**: The reviewers created a new environment for dependencies using the latest versions available for each dependency at the moment of the review.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Table 1** Reproduced. The exhibit was compared against the sheets *T1_CovariateBalanceFull* and *T1_CovariateBalanceRDD* of the file *CashIsQueen_MainTables_20250408.xlsx*.

- **Table 2** Reproduced. The exhibit was compared against the sheets *T2_NonFarmEnterprise* and *T2_NonFarmEnterprise_Elast* of the file *CashIsQueen_MainTables_20250408.xlsx*.

- **Table 3** Reproduced. The exhibit was compared against the sheets *T3_AgricultureOutcomes* and *T3_AgricultureOutcomes_Elast* of the file *CashIsQueen_MainTables_20250408.xlsx*.

- **Table 4** Reproduced. The exhibit was compared against the sheets *T4_FoodSecurityConsumption* and *T4_FoodSecurityConsump_Elast* of the file *CashIsQueen_MainTables_20250408.xlsx*.

- **Table 5** Reproduced. The exhibit was compared against the sheet *T5_WomenEmpowermentDM* of the file *CashIsQueen_MainTables_20250408.xlsx*.

Results in the Annex

For the Appendix, we did not review every exhibit. Instead, we randomly selected 10 exhibits from the remaining datasets to assess the appendix. Our review was based on those 10 exhibits. Since they were chosen randomly, we operate under the assumption that if all randomly selected exhibits are reproducible, then the rest should be as well. The seed used to generate the random selection was 452837 on Stata version 18.0, and the exhibits selected were: Tables E1, F1, F2, F3, F4, F7, F8; Figures B2, B3, B5.

- **Table E1** Reproduced The exhibit was compared against the sheet *TE1_BusinessPanel* of the file *CashIsQueen_AppendixTa*

- **Table F1** Reproduced The exhibit was compared against the sheet *TF1_Business_Panel* of the file *CashIsQueen_AppendixTables_20250408.xlsx*.

- **Table F2** Reproduced. The exhibit was compared against the sheet *TF2_LFPWife* of the file *CashIsQueen_AppendixTables_20250408.xlsx*.

- **Table F3** Reproduced. The exhibit was compared against the sheet *TF3_LFPHusband* of the file *CashIsQueen_AppendixTables_20250408.xlsx*.

- **Table F4** Reproduced. The exhibit was compared against the sheet *TF4_WageEmployment* of the file *CashIsQueen_AppendixTables_20250408.xlsx*.

- **Table F7** Reproduced. The exhibit was compared against the sheet *TF7_AgLabInp* of the file *CashIsQueen_AppendixTables_20250408.xlsx*.

- **Table F8** Reproduced. The output has significant discrepancies. See details below. The exhibit was compared against the sheet *TF8_AgUse* of the file *CashIsQueen_AppendixTables_20250408.xlsx*.

- **Figure B2** Reproduced. The exhibits were compared against the files *FB2_MoranI_Profits.png* and *FB2_MoranI_Expenditures.png*.

- **Figure B2** Reproduced. The exhibit was compared against the file *FB3_HistogramDistVillage.png*.

- **Figure B5** Reproduced. The exhibits were compared against the files *FB5_PEV_ALLVillages.png* and *FB5_HH_ALLVillages.png*.

Reproduction Environment

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

- Windows 10 Enterprise, version 22H2

- Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz 2.90 GHz (2 processors)

- Memory available: 32 GB

- Software version: StataNow 18.5 MP-Parallel Edition, R 4.4.1