



Fast Action for Floods: RCT Evidence on Forecast-based Cash Transfers from Bangladesh and Nepal

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This review verifies the reproducibility of the exhibits included in the paper “Fast Action for Floods: RCT Evidence on Forecast-based Cash Transfers from Bangladesh and Nepal”.

Contents in this review:

1. Main findings
2. List of exhibits and reproducibility status
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Main findings

- **Every exhibit 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 updated paper shared by the authors over email.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on public and Limited-access data (available by approval from MDL) data.
 - Some data is not included in the public reproducibility package.
 - Reviewers used data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package.
 - Reviewers verified that the limited-access data matches what was provided by the authors.
 - *data_hash_report.csv* lists the SHA256 hashes of all files in the Data folder to support data integrity checks. Users who acquire the accessible data can use this file to verify that the data has not been altered.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1 Reproduced.** This exhibit was compared against *water level nepal.png*
- **Figure 2 Reproduced.** This exhibit was compared against *water level bangladesh.png*
- **Table 1 Reproduced.** This exhibit was compared against *combined_1.tex*
- **Table 2 Reproduced.** This exhibit was compared against *combined_2.tex*
- **Table 3 Reproduced.** This exhibit was compared against *bgd_food_consumption.tex*.
- **Table 4 Reproduced.** This exhibit was compared against *bgd_psych.tex*.

Results in the Annex

- **Table A1 Reproduced.** This exhibit was compared against *balance_check_nep.tex*.
- **Table A2 Reproduced.** This exhibit was compared against *balance_check_bgd.tex*
- **Table A3 Reproduced.** This exhibit was compared against *fcs_raw_r1.tex*
- **Table A4 Reproduced.** This exhibit was compared against *fcs_raw_r2.tex*
- **Table A5 Reproduced.** This exhibit was compared against *fcs_raw_r3.tex*.
- **Table A6 Reproduced.** This exhibit was compared against *combined_4.tex*
- **Table A7 Reproduced.** This exhibit was compared against *combined_3.tex*
- **Table A8 Reproduced..** This exhibit was compared against *non_ag_earnings.tex*
- **Table A9 Reproduced.** This exhibit was compared against *after_flood_ag.tex*
- **Table A10 Reproduced.** This exhibit was compared against *migration.tex*
- **Table A12 Reproduced.** This exhibit was compared against *flood_damage2.tex*.

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 18.0 MP