



Reproducible Research Repository

Fishing and Climate Change in Coastal Bangladesh

First Submission: RR_BGD_2025_289

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This review verifies the reproducibility of the exhibits included in the paper “*Fishing and Climate Change in Coastal Bangladesh*”.

Contents in this review:

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Main findings

- **Every exhibit has been reproduced accurately.**
- The code was successfully executed on a new computer after:
 1. Creating an R project and a clean R environment
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 10 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors by email on March 11, 2025.
- **Reproducibility Summary:**
 - **Data:** All data sources are publicly available and included in the reproducibility package.
 - **Outputs:** All outputs are generated by code included in the reproducibility package.
 - **Reproducibility verification:** Reviewers had access to the same materials in the public reproducibility package. The reviewers verified that publicly available data matches the data 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 2a** Results reproduced, but figure includes manual changes from code output (cropping)
- **Figure 2b** Reproduced.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Table 1** Reproduced.
- **Figure 5** Reproduced.
- **Figure 6** Reproduced.
- **Figure 7** Reproduced.
- **Figure 8** Does not apply: does not show analysis results
- **Figure 9a** Reproduced.
- **Figure 9b** Reproduced.
- **Figure 10** Reproduced.
- **Table 2** Reproduced.
- **Figure 11** Reproduced.
- **Figure 12** Reproduced.
- **Table 3** Reproduced.

Results in the Annex

- **Table A1** Reproduced.
- **Table A2a** Reproduced.
- **Table A2b** Reproduced.
- **Table A2c** Reproduced.

Reproduction Environment

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

- OS: Windows 10 Enterprise 22H2
- Processor: Intel(R) Xeon(R) Gold 6132 CPU @ 2.60GHz 2.60 GHz (2 processors)
- Memory available: 1 TB
- Software version: Stata 18.0 MP, R 4.4.2