



Reproducible Research Repository

Economics of Household Cooking using Electricity in Nepal

Fourth Submission: RR_NPL_2025_397

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This review verifies the reproducibility of the exhibits included in the paper "*Economics of Household Cooking using Electricity in 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.**
- We conducted our reproducibility analysis based on the published paper, downloaded on July 28th, 2025.
- **Verification Process and Data Handling:**
 - The reproducibility package includes 1 types of data: open data.
 - Open data is included in the public reproducibility package.
 - *data_hash_report.csv* lists the SHA256 hashes of all files in the Data folder to support data integrity checks.
- **Reproducibility Summary:**
 - **Data:** Some data is not redistributable and has not been included in the reproducibility package. For more details, please refer to the README file.
 - **Code:** All formulas transforming data are included in the reproducibility package.
 - **Outputs:** All outputs are generated by the Excel file included in the reproducibility package.
 - **Dependencies environment:** The reproducibility package does not use external dependencies.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Table 1** Reproduced.
- **Figure 1** Reproduced.

- **Table 2** Does not apply. The output does not show analysis results.
- **Table 3** Does not apply. The output does not show analysis results.
- **Table 4** Does not apply. The output does not show analysis results.
- **Table 5** Does not apply. The output does not show analysis results.
- **Table 6** Does not apply. The output does not show analysis results.
- **Figure 2** Does not apply. The output does not show analysis results.
- **Table 7** Does not apply. The output does not show analysis results.
- **Table 8** Does not apply. The output does not show analysis results.
- **Table 9** Reproduced.
- **Table 10** Reproduced.
- **Table 11** Does not apply. The output does not show analysis results.
- **Table 12** Reproduced.
- **Figure 3** Reproduced.
- **Table 13** Reproduced.
- **Table 14** Reproduced.
- **Figure 4** Reproduced.
- **Table 15** Does not apply. The output does not show analysis results.
- **Figure 6** Reproduced.

Results in the Appendix

- **Table A1** Reproduced.
- **Table A2** Reproduced.
- **Table A3** Reproduced.

Reproduction Environment

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

- OS: Windows 11 Enterprise, version 23H2
- Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz 1.50GHz
- Memory available: 15.7 GB
- Software version: Microsoft Excel for Microsoft 365 MSO (Version 2505 Build 16.0.18827.20102) 64-bit