



## *The 2022 global food price shock in Chile and Colombia: Stylized facts from customs data*

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This review verifies the reproducibility of the exhibits included in the paper “*The 2022 global food price shock in Chile and Colombia: Stylized facts from customs data*”.

### **Contents in this review:**

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### *Main findings*

- The code was successfully executed on a new computer after:
  1. Updating the directory
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 5 hours to run.
- We conducted our reproducibility analysis based on the paper shared by the authors in the package.
- Every exhibit has been reproduced accurately.
- **Reproducibility Summary:**
  - **Data:** One dataset data is restricted and has not been included in the reproducibility package. Five datasets are public but not included in the reproducibility package. All other datasets are publicly available and 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:** Some outputs are not generated by code (created manually in Excel).
  - **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 exactly matches the data provided by the authors.
  - **Dependencies environment:** The reproducibility package does not use external dependencies.

## *List of exhibits and reproducibility status*

### **Results in the Main Section of the Paper**

The figures were verified according to the instructions in the readme.docx and output\_linkage\_table.docx. Each figure requires manual adjustments based on either the code output or the raw data.

- **Figure 1** Reproduced.
- **Figure 2** Reproduced.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Figure 5** Reproduced.
- **Figure 6** Reproduced.
- **Figure 7** Reproduced.
- **Figure 8** Reproduced.
- **Figure 9** Reproduced.
- **Figure 10** Reproduced.
- **Figure 11** Reproduced.
- **Figure 12** Reproduced.
- **Figure 13** Reproduced.

### **Results in the Annex**

- **Annex 1b** Reproduced.
- **Annex 1c** Reproduced.
- **Annex 1d** Reproduced.
- **Annex 1e** Reproduced.

## *Reproduction Environment*

- Paper exhibits were reproduced in a computer with the following specifications:
  - OS: Windows 10 Enterprise
  - Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz 2.90 GHz (2 processors)
  - Memory available: 128 GB
  - Software version: Stata version 17