



Green Product Exports, Domestic Value Added and Trade Policies: Firm-Level Evidence from China

Third Submission: RR_CHN_2025_459

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This review verifies the reproducibility of the exhibits included in the paper “*Green Product Exports, Domestic Value Added and Trade Policies: Firm-Level Evidence from China*”.

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 path global in the do-file *main.do*.
- 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 October 10, 2025.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 2 types of data: accessible (public but not included in the reproducibility package) and restricted data (available only from the authors).
 - Reviewers used accessible and restricted 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 accessible data for the dataset "Oil price - Crude prices since 1861" matches what was provided by the authors; results of this verification are documented in the file *comparison_report.csv*. Reviewers did not perform this comparison for the dataset "World Integrated Trade Solution - Trade Data (UN COMTRADE)" as it corresponds to data that is constantly updated and it is unlikely to match data accessed in 2022.

- *data_hash_report.csv* lists the SHA256 hashes of all files in the Data folder to support data integrity checks. Users who acquire the restricted data can use this file to verify that the data has not been altered.
- **Reproducibility Summary:**
 - **Data:** Some data is restricted and has not been included in the reproducibility package. For more details, please refer to the README file.
 - **Code:** All code files are temporarily embargoed by the authors (expected to be made public in this repository in the future).
 - **Outputs:** All outputs are generated by code included 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.** The exhibit was verified against *WLD_IMP.png*.
- **Figure 2 Reproduced.** The exhibit was verified against *CHN_EXP_Share.png*.
- **Figure 3 Reproduced.** The exhibit was verified against *CHN_EXP_Regime_Green.png*.
- **Figure 4 Reproduced.** The exhibit was verified against *CHN_EXP_OWNSolar.png*.
- **Figure 5 Reproduced.** The exhibit was verified against *Exp_norm_combine.png*.
- **Figure 6 Reproduced.** The exhibit was verified against *lnimp_norm_combine.pdf*.
- **Figure 7 Reproduced.** The exhibit was verified against *top3import.pdf*.
- **Figure 8 Reproduced.** The exhibit was verified against *DVAR_norm_combine_step3.pdf*.
- **Figure 9 Reproduced.** The exhibit was verified against *green_fitpsit.pdf*.
- **Figure 10 Reproduced.** The exhibit was verified against *green_fiavepsave2.pdf*.
- **Table 1 Does not apply.** Table does not represent analysis results.
- **Table 2 Reproduced.** The exhibit was verified against *exportgrowthregressions.tex*.
- **Table 3 Reproduced.** The exhibit was verified against *DVARimpvarietyregressions.tex*.
- **Table 4 Reproduced.** The exhibit was verified against *impvarietyinputtariffregressions.tex*.
- **Table 5 Reproduced.** The exhibit was verified against rows *Greenprocpsimpvariety* and *Greenprocpsimpvarietyhat* in *DVARimpvarietyregressions.tex*.
- **Table 6 Reproduced.** The exhibit was verified against *impvarietyinputAVeregressions.tex*.
- **Table 7 Reproduced.** Verified against *exportgrowthcrosssectionalIVregressions.tex*.

Reproduction Environment

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

- OS: Windows 11 Enterprise, version 23H2
- Processor: Intel(R) Xeon(R) Platinum 8562Y+ 2.80 GHz (2 processors)
- Memory available: 64 GB
- Software version: Stata 18.5 MP