



Digitalization, Remote Work and Firm Performance: Evidence from the COVID-19 Shock

First Submission: RR_WLD_2024_199

Maria Reyes Retana

reproducibility@worldbank.org

2024-09-27

This review verifies the reproducibility of the exhibits included in the paper "*Digitalization, Remote Work and Firm Performance: Evidence from the COVID-19 Shock*".

Contents in this review:

1. Main findings
2. List of exhibits and reproducibility status
3. Reproduction Environment

Main findings

- The code was successfully executed on a new computer after:
 1. Change the path 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 3 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors.
- Every exhibit has been reproduced accurately.
- **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 included in the reproducibility package but operate from intermediate data, not raw data.
 - **Outputs:** All outputs are generated by code included in the reproducibility package.
 - **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 matches the data provided by the authors.
 - **Dependencies environment:** The reviewers created a new environment for dependencies using the latest versions available for each dependency at the moment of the review.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1** Reproduced. Verified using figure new_isic2_top5.png
- **Figure 2** Reproduced. Verified using figure new_isic2_bottom5.png
- **Table 1** Results reproduced, but the table includes manual adjustments from the code output. The output has been copy-pasted from the Stata result window. The results are spread across different tables in the Stata window, but the do-file clearly identifies where each table is being produced. Country FE and Sector FE rows are missing from the Stata output, but this does not jeopardize reproducibility.
- **Table 2** Results reproduced, but the table includes manual adjustments from the code output. The output has been copy-pasted from the Stata result window. The results are spread across different tables in the Stata window, but the do-file clearly identifies where each table is being produced. Country FE and Sector FE rows are missing from the Stata output, but this does not jeopardize reproducibility.
- **Table 3** Results reproduced, but the table includes manual adjustments from the code output. The output has been copy-pasted from the Stata result window. The results are spread across different tables in the Stata window, but the do-file clearly identifies where each table is being produced. Country FE and Sector FE rows are missing from the Stata output, but this does not jeopardize reproducibility.
- **Table 4** Results reproduced, but the table includes manual adjustments from the code output. The output has been copy-pasted from the Stata result window. The results are spread across different tables in the Stata window, but the do-file clearly identifies where each table is being produced. Country FE and Sector FE rows are missing from the Stata output, but this does not jeopardize reproducibility.
- **Table 5** Results reproduced, but the table includes manual adjustments from the code output. The output has been copy-pasted from the Stata result window. The results are spread across different tables in the Stata window, but the do-file clearly identifies where each table is being produced. Country FE and Sector FE rows are missing from the Stata output, but this does not jeopardize reproducibility.
- **Table 6** Results reproduced, but the table includes manual adjustments from the code output. The output has been copy-pasted from the Stata result window.

Results in the Annex

- **Table A1** Results reproduced, but the table includes manual adjustments from the code output. The output has been copy-pasted from the Stata result window.
- **Table A2** Results reproduced, but the table includes manual adjustments from the code output. The output has been copy-pasted from the Stata result window.

- **Table A3** Results reproduced, but the table includes manual adjustments from the code output. The output has been copy-pasted from the Stata result window.
- **Table A4** Results reproduced, but the table includes manual adjustments from the code output. The output has been copy-pasted from the Stata result window.

Reproduction Environment

- Paper exhibits were reproduced in 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 version 18.0 MP