



Understanding Labor Market Demand in Real Time in Argentina and Uruguay

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This review verifies the reproducibility of the exhibits included in the paper “*Understanding Labor Market Demand in Real Time in Argentina and Uruguay*”.

Contents in this review:

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

Main findings

- **Every exhibit has been reproduced accurately.**
- The code was successfully executed on a new computer after:
 1. Changing directory paths in the `main_dofile.do`
 2. Changing directory paths in each of the four R scripts located in the `code` folder
 3. Running the `main_dofile.do`
 4. Running the four R scripts located in the `code` folder individually
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 3 hours to run.
- We conducted our reproducibility analysis based on the paper shared by the authors by email on February 6th, 2025.
- 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 (from cleaning to analysis) are included in the reproducibility package.
 - **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 in its entirety. The reviewers did not verify if publicly available data matches the data provided by the authors.
- **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** Results reproduced, but table or figure includes manual changes from code output
- **Figure 2** Results reproduced, but table or figure includes manual changes from code output
- **Figure 3** Results reproduced, but table or figure includes manual changes from code output
- **Figure 4** Results reproduced, but table or figure includes manual changes from code output
- **Figure 5** Results reproduced, but table or figure includes manual changes from code output
- **Figure 6** Results reproduced, but table or figure includes manual changes from code output
- **Figure 7** Does not apply: does not show analysis results
- **Figure 8** Results reproduced, but table or figure includes manual changes from code output
- **Figure 9** Results reproduced, but table or figure includes manual changes from code output
- **Figure 10** Results reproduced, but table or figure includes manual changes from code output
- **Figure 11** Reproduced
- **Figure 12** Reproduced
- **Table 1** Does not apply: does not show analysis results
- **Table 2** Does not apply: does not show analysis results
- **Table 3** Does not apply: does not show analysis results
- **Table 4** Does not apply: does not show analysis results
- **Table 5** Does not apply: does not show analysis results
- **Table 6** Results reproduced, but table or figure includes manual changes from code output
- **Table 7** Results reproduced, but table or figure includes manual changes from code output
- **Table 8** Results reproduced, but table or figure includes manual changes from code output
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- **Table 11** Does not apply: does not show analysis results
- **Table 12** Results reproduced, but table or figure includes manual changes from code output
- **Table 13** Does not apply: does not show analysis results
- **Table 14** Does not apply: does not show analysis results

Results in the Annex

- **Table 15** Results reproduced, but table or figure includes manual changes from code output
- **Table 16** Does not apply: does not show analysis results
- **Table 17** Results reproduced, but table or figure includes manual changes from code output
- **Table 18** Results reproduced, but table or figure includes manual changes from code output
- **Table 19** Results reproduced, but table or figure includes manual changes from code output

Reproduction Environment

- Paper exhibits were reproduced on a computer with the following specifications:
 - OS: Windows 10 Enterprise 22H2
 - Processor: Intel(R) Xeon(R) CPU E7-4890 v2 @ 2.80GHz 2.79 GHz (16 processors)
 - Memory available: 64 GB
 - Software version: Stata 18.0 MP, R Version 4.4.2