



Why Don't Jobseekers Search More? Barriers And Returns To Search On A Job Matching Platform

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This review verifies the reproducibility of the exhibits included in the paper "*Why Don't Jobseekers Search More? Barriers And Returns To Search On A Job Matching Platform*".

Contents in this review:

1. Main findings
2. List of exhibits and reproducibility status
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Main findings

- **Every exhibit in the main section of the paper and 10 randomly selected exhibits in the appendix were reproduced accurately**
- The code was successfully executed on a new computer after:
 1. Updating the working directory in line 38 of the do-file "01_Masterdofile.do", and running it.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 6 hours to run.
- We conducted our reproducibility analysis based on the paper shared by the authors in the reproducibility package on July 15.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on two types of data: open, and accessible (public but not included in the reproducibility package).
 - Open data is included in the public reproducibility package.
 - Reviewers used accessible data provided directly by the authors to conduct the reproducibility verification, and this is not 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. Users who acquire the accessible data can use this file to verify that the data has not been altered.
- **Reproducibility Summary:**

- **Data:** All data sources are publicly available but not all are included in the reproducibility package.
- **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.
- **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

- **Table 1 Reproduced.** Verified against `table1_summstats_respond_v2.tex`.
- **Table 2 Reproduced.** Verified against `table1_summstats_vacancy.tex`.
- **Table 3 Reproduced.** Verified against `se_matchlevel_paper_table2_unweighted.tex`.
- **Figure 1 Reproduced.** Verified against `combined_graph_simple_v1.png`.

Results in the Annex

For the Appendix, we did not review every exhibit. Instead, we randomly selected 10 exhibits from the remaining datasets to assess the appendix. Our review was based on those 10 exhibits. Since they were chosen randomly, we are operating under the assumption that if all randomly selected exhibits are reproducible, then the rest should be as well. The seed used to generate the random selection was 109650, the Stata version used was 19, and the exhibits selected were: Table B1, Table B2, Table B8, Table B9, Table C6, Table C8, Table C17, Figure B1, Figure C1, and Figure D1.

- **Table B1 - Panel A Reproduced.** Verified against `se_matchlevel_hte_planinterview_panel_Updated.tex`.
- **Table B1 - Panel B Reproduced.** Verified against `se_matchlevel_hte_selected_int_conso_bound_panel_Updated.tex`.
- **Table B1 - Panel C Reproduced.** Verified against `se_matchlevel_hte_iv_panel_Updated.tex`.
- **Table B2 - Panel A Reproduced.** Verified against `se_matchlevel_panela_interacted_proxies_V.tex`.
- **Table B2 - Panel B Reproduced.** Verified against `se_matchlevel_panelb_interacted_proxies_V.tex`.
- **Table B8 Reproduced.** Verified against `se_personlevel_intensive_search_un_heck.tex`.
- **Table B9 Reproduced.** Verified against `se_person_survey_engage_paper.tex`.
- **Table C6 Reproduced.** Verified against `effects_on_dispersion_2.tex`.
- **Table C8 Reproduced.** Verified against `se_sub_matchlevel_procrastinationb_remindersms.tex`.
- **Table C17 Reproduced.** Verified against `se_joborder_outcomes_d_separate_6.tex`.
- **Figure B1 - Panel A Reproduced.** Verified against `se_person_level_itt_ntimes_applied_v1.png`.
- **Figure B1 - Panel B Reproduced.** Verified against `se_person_level_itt_ntimes_inter_v1.png`.

- **Figure C1 Reproduced.** Verified against combined_graph_simple_v2.png.
- **Figure D1 - Panel A Reproduced.** Verified against se_spillovers_variation_density.pdf.
- **Figure D1 - Panel B Reproduced.** Verified against se_spillovers_variation_density_bysize.pdf.

Reproduction Environment

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

- OS: Windows 11 Enterprise
- Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz
- Memory available: 32.0 GB
- Software version: Stata 19.5 MP