



Buffer or Bottleneck? Employment Exposure to Generative AI and the Digital Divide in Latin America

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This review verifies the reproducibility of the exhibits included in the paper “*Buffer or Bottleneck? Employment Exposure to Generative AI and the Digital Divide in Latin America*”.

Contents in this review:

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Main findings

- The code was successfully executed on a new computer after:
 1. Changing the file path in the dofile.
 2. Changing the file path in the R script.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 2 hours to run.
- We conducted our reproducibility analysis based on the paper shared by the authors via email on July 23rd, 2024.
- Every exhibit has been reproduced accurately.
- **Reproducibility Summary:**
 - **Data:** Some data is confidential and has not been 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.
 - **Reproducibility verification:** Reviewers had access to materials that are not available to the public.
 - **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
- **Figure 2** Reproduced
- **Figure 3** Reproduced
- **Figure 4** Reproduced
- **Figure 5** Reproduced
- **Figure 6** Reproduced
- **Table 1** Does not show analysis results
- **Figure 7** Reproduced
- **Figure 8** Reproduced
- **Figure 9** Reproduced.
- **Figure 10** Reproduced
- **Figure 11** Reproduced
- **Figure 12** Reproduced
- **Figure 13** Reproduced
- **Figure 14** Reproduced

Results in the Annex

- **Figure A1** Reproduced
- **Figure A2** Reproduced
- **Figure A3** Reproduced
- **Figure A4** Reproduced

- **Figure A5** Reproduced
- **Figure A6** Reproduced
- **Table A1** Reproduced
- **Table A2** Reproduced There are some rounding off differences but that does not jeopardize reproducibility.
- **Table A3** Reproduced

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 17