*The Exposure of Workers to Artificial Intelligence in
Low- and Middle-Income Countries*

This review verifies the reproducibility of the exhibits included in the paper *"The Exposure of Workers to Artificial Intelligence in Low- and Middle-Income Countries"*.

Contents in this review:

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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 global file path in `Master.do`

- The code takes approximately 30 minutes to run.

- We conducted our reproducibility analysis based on the paper shared by the authors via OneDrive on March 13th, 2025.

- **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. 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

- **Table 1** Results reproduced with a minor difference for the value of column "1 digit ISCO code" and row "Simpson index (1/n sum of squared probabilities)": 6.57 in the code outputs versus 6.59 in the paper exhibit. The exhibit was compared against the sheet *Entropy measures* of the file *All.xls*.

- **Figure 1** Reproduced. The exhibit was compared against *AIOE Density overall.png*.

- **Figure 2 - AI Occupation Exposure by Income group** Reproduced. The exhibit was compared against *AIOE Density by income level.png*.

- **Figure 2 - AI Occupation Exposure by Income group, age 15-64** Reproduced. The exhibit was compared against *AIOE by income level.png*.

- **Figure 3** Reproduced. The exhibit was compared against *Scatter_GNI_AIOE.png*.

- **Figure 4** Reproduced. The exhibit was compared against *AIOE by country and exposure groups.png*.

- **Figure 5** Reproduced. The exhibit was compared against *AIOE Age Income Level.png*.

- **Figure 6 - AI Exposure by Gender and Country Income Level** Reproduced. The exhibit was compared against *AIOE Gender Income Level_v2.png*.

- **Figure 6 - AI Exposure by Country and Gender, age 15-64** Reproduced. The exhibit was compared against *AIOE by each country and gender.png*.

- **Figure 7** Reproduced. The exhibit was compared against *AIOE Urban Income Level.png*.

- **Figure 8** Reproduced. The exhibit was compared against *AIOE Education Income Level.png*.

- **Figure 9** Reproduced. The exhibit was compared against *Occupations Exposure.png*.

- **Figure 10** Reproduced. The exhibit was compared against *AIOE Income Level_Electricity_reduced.png*.

- **Figure 11** Reproduced. The exhibit was compared against *AIOE Income Level_Electricity_urban.png*.

Results in the Appendix

- **Table 2** Reproduced. The exhibit was compared against the sheet *Sample information* of the file *All.xls*.

- **Figure 12** Reproduced. The exhibit was compared against *Occupation_combined.png*.

- **Figure 13** Reproduced. The exhibit was compared against *AIOE and Industry Level.png*.

- **Figure 14** Reproduced. The exhibit was compared against *AIOE Density by countryname.png*.

- **Table 3** Reproduced. The exhibit was compared against all sheets except *Sample information* and *Entropy measures* of the file *All.xls*.

- **Table 4** Reproduced. The exhibit was compared against *income level AIOE.csv*.

Reproduction Environment

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

- OS: Windows 11 Enterprise, version 23H2

- Processor: 11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60GHz 1.50 GHz

- Memory available: 15.7 GB

- Software version: Stata 18.0 MP