



Occupational Mobility and Green Transition: A Stylized Estimation of Skill Investment Needs in South Asia

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Innocent Bushayija Sano

reproducibility@worldbank.org

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This review verifies the reproducibility of the exhibits included in the paper “*Occupational Mobility and Green Transition: A Stylized Estimation of Skill Investment Needs in South Asia*”.

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. - Adjusting the root file path.
- 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 by email on April 9th, 2026.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 2 types of data: open, limited-access (available to World Bank Group members) and restricted.
 - Open data is included in the public reproducibility package.
 - Reviewers used limited-access 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 limited-access data can use this file to verify that the data has not been altered.
- **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.
- **Dependencies environment:** The reproducibility package does not use external dependencies.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Table 1** Does not apply. Non-analytical output
- **Table 2** Does not apply. Non-analytical output
- **Table 3** Reproduced.
- **Table 4** Reproduced.
- **Table 5** Reproduced.
- **Table 6.a** Reproduced.
- **Table 6.b** Reproduced.
- **Figure 1** Reproduced.
- **Figure 2** Reproduced.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Figure 5** Reproduced.
- **Figure 6** Reproduced.
- **Figure 7** Reproduced.

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 901788, the Stata version used was 19, and the exhibits selected were: Table A.2, Table A.3, Table A.5, Table A.6, Table A.8, Table A.9, Table A.10, Table A.11, Table A.12, Table A.14.

- **Table A.2** Reproduced.
- **Table A.3** Reproduced.

- **Table A.5** Reproduced.
- **Table A.6** Reproduced.
- **Table A.8** Reproduced.
- **Table A.9** Reproduced.
- **Table A.10** Reproduced.
- **Table A.11** Reproduced.
- **Table A.12** Reproduced.
- **Table A.14** Reproduced.

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 (2.90 GHz) (2 processors)
- Memory available: 16 GB
- Software version: Stata 19.0 MP