



What I Really Want: Policy Maker Views on Education in East Asia Pacific

Second Submission

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PRWP Reproducibility Verification

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This review verifies the reproducibility of the exhibits included in the paper “*What I Really Want: Policy Maker Views on Education in East Asia Pacific*”.

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Main findings

- The code was successfully executed on three new computers.
- The package takes 3 minutes to run.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code is found to be reproducible using the provided package.
- Noticed manual adjustments in most figures and tables, such as varied y-axis labels, legend labels, and axis ranges. These discrepancies don’t make the package non-reproducible.

Reproducibility assessment

- Paper exhibits were attempted to be reproduced in computers with the following specifications:
 - Computer 1:
 - * OS: macOS Ventura
 - * Processor: Apple M1
 - * Memory available: 8 GB
 - * Software version: Stata MP 14.0
 - Computer 2:
 - * OS: MacOS Ventura 13.4
 - * Processor: Dual-Core Intel Core i3, 1.1 GHz

- * Memory Available: 8 GB 3733 MHz LPDDR4X
- * Software Version: Stata 16.1
- Computer 3:
 - * OS: Windows 11 Enterprise
 - * Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
 - * Memory available: 15.7 GB
 - * Software version: Stata MP 17.0
- We conducted our reproducibility analysis based on the paper shared by the authors in their reproducibility package *What Policymakers Want Oct 27 2023.pdf*. Our validation involved comparing the results generated by the code with the exhibits in the paper to assess their consistency.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Table 1** Results reproduced, but includes manual changes from code output: label change, rounding of numbers.
- **Figure 1** Reproduced
- **Figure 2** Results reproduced, but includes manual changes from code output: code produces y-axis label but the paper does not.
- **Figure 3** Results reproduced, but includes manual changes from code output: code produces y-axis label but the paper does not, legend labels do not match.
- **Figure 4** Results reproduced, but includes manual changes from code output: legend labels do not match.
- **Figure 5** Reproduced with manual computations. The figure uses probit model coefficients, which are then used to manually calculate this figure in the Figures_and_tables.xlsx file. Instructions for these calculations can be found in the README.
- **Figure 6** Results reproduced, but includes manual changes from code output: minor changes to the legend.
- **Figure 7** Results reproduced, but includes manual changes from code output: minor changes to the legend.
- **Figure 8** Results reproduced, but includes manual changes from code output: minor changes to the legend.
- **Figure 9** Results reproduced, but includes manual changes from code output: colors differ.
- **Figure 10** Results reproduced, but includes manual changes from the code output: changes to the legend.

- **Figure 11** Results reproduced, but includes manual changes from the code output: changes to the legend.
- **Figure 12** Results reproduced in Stata 16+, but includes manual changes from the code output: y-axis label does not reproduce.
- **Figure 13** Results reproduced in Stata 16+, but includes manual changes from the code output: y-axis label does not reproduce.
- **Figure 14** Reproduced with manual computations. The figure uses probit model coefficients, which are then used to manually calculate this figure in the Figures_and_tables.xlsx file. Instructions for these calculations can be found in the README.
- **Figure 15** Reproduced
- **Figure 16** Results reproduced, but includes manual changes from code output: minor changes to the legend.
- **Figure 17** Results reproduced, but includes manual changes from code output: changes to the legend.
- **Figure 18** Results reproduced, but includes manual changes from code output: y-axis ticks 0-100 in paper and 0-1 in code, legend labels, and colors differ.
- **Figure 19** Results reproduced, but includes manual changes from code output: x-ticks in code are 0-1.8 and 0-180 in paper.
- **Figure 20** Results reproduced, but includes manual changes from code output: manual aggregation of two graphs.
- **Figure 21** Results reproduced, but includes manual changes from code output: minor changes to the legend.
- **Figure 22** Results reproduced, but includes manual changes from code output: y-axis in code is -.8-1.2 and -80-120 in paper, legend labels unformatted in code.

Results in the Appendix

- **Table 1** Does not show analysis results, as the authors didn't produce figures.
- **Table 2** Results reproduced, but table is missing Girl-boy gap. There are some differences in the values, but they can be attributed to rounding variations.
- **Table 3** Results reproduced, but includes manual changes from code output: aggregation of tables and changing of labels.
- **Table 4** Results reproduced, but includes manual changes from code output: aggregation of tables and changing labels.
- **Figure 23** Does not apply. The figure is not produced by the authors