



The Climate Implications of Ending Global Poverty

First Submission

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PRWP Reproducibility Verification

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This review verifies the reproducibility of the exhibits included in the paper “*The Climate Implications of Ending Global Poverty*”.

Contents in this review:

1. Main findings
2. Reproducibility assessment
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Main findings

- The code was successfully executed on a new computer with a total run time of approximately 20 minutes after:
 1. Starting the run omitting the `1b-Poverty.do` file, because of a bug in the pip library.
 2. We created a main do file `MainDoFile.do` which can be used to run the whole code. The main do file omits `1b-Poverty.do` and `1d-GDP.do` to accurately reproduce every exhibit. The authors include intermediate data in the package and this is enough to replicate the results.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results
- Every exhibit has been reproduced accurately.

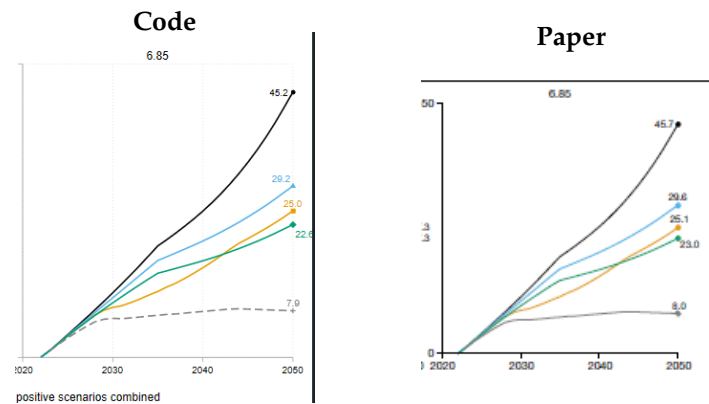
Reproducibility assessment

- Paper exhibits were attempted to be 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
- We conducted our reproducibility analysis based on the paper shared by the authors by mail on October 19th. 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

- **Figure 1A** Reproduced.
- **Figure 2A** Reproduced.
- **Figure 2B** Reproduced.
- **Figure 3** Reproduced with minor differences. There are some discrepancies between the code-produced figure and the one in the paper if we run the complete analysis. These differences are minor and can be accounted for by the change in the version of GDP data used. However, the authors provide the data version used in the paper, and using this the results are fully reproduced. There is more information in the author's README.



Results in the Annex

- Extended Data Figure 1 Reproduced.
- Extended Data Figure 2A Reproduced.
- Extended Data Figure 2B Reproduced.
- Extended Data Figure 3A Reproduced.
- Extended Data Figure 3B Reproduced.
- Extended Data Figure 4A Reproduced.
- Extended Data Figure 4B Reproduced.
- Extended Data Figure 4C Reproduced.
- Extended Data Figure 4D Reproduced.
- Extended Data Figure 4E Reproduced.
- Extended Data Figure 4F Reproduced.

- Extended Data Figure 5A Reproduced.
- Extended Data Figure 5B Reproduced.
- Extended Data Figure 5C Reproduced.
- Extended Data Figure 5D Reproduced.
- Extended Data Figure 6 Reproduced.
- Extended Data Figure 7 Reproduced.
- Extended Data Figure 8A Reproduced.
- Extended Data Figure 8B Reproduced.
- Extended Data Figure 8C Reproduced.
- Extended Data Figure 9A Reproduced.
- Extended Data Figure 9B Reproduced.
- Extended Data Figure 9C Reproduced.
- Extended Data Table 1A Reproduced.
- Extended Data Table 1B Reproduced.
- Extended Data Table 1C Reproduced.
- Extended Data Table 2 Does not show analysis results.