



The Path to People-Centered Justice in Kenya: A 2025 JUPITER Assessment

Second Submission: FR_WLD_2025_403

Maria Reyes Retana, Luis Eduardo San Martin, Kanika Shokeen

reproducibility@worldbank.org

November 20, 2025

This review verifies the reproducibility of the exhibits included in the paper “*The Path to People-Centered Justice in Kenya: A 2025 JUPITER Assessment*”.

Contents in this review:

1. Main findings
2. List of exhibits and reproducibility status
3. Reproduction Environment

Main findings

- **Every exhibit in the paper has been reproduced.**
- The code was successfully executed on a new computer after:
 1. Changing the path in the main.do and running the code.
 2. Opening the Rproject and running the file oo_master.RMD.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 7 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors on November 19, 2025 6th.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on three types of data: open data, accessible data (public but not included in the reproducibility package) and restricted data (available only to the authors).
 - Open data is included in the public reproducibility package.
 - Reviewers used restricted data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package.
 - Reviewers verified that the accessible data matches what was provided by the authors; results of this verification are documented in the file *comparison_report.csv*.
 - *data_hash_report.csv* lists the SHA256 hashes of all files in the Data folder to support data integrity checks. Users who acquire the accessible and restricted data can use this file to verify that the data has not been altered.

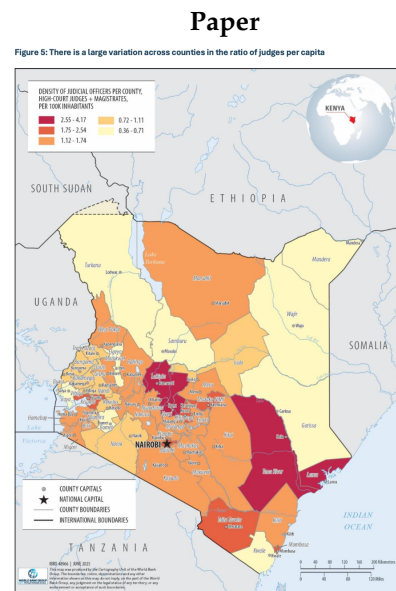
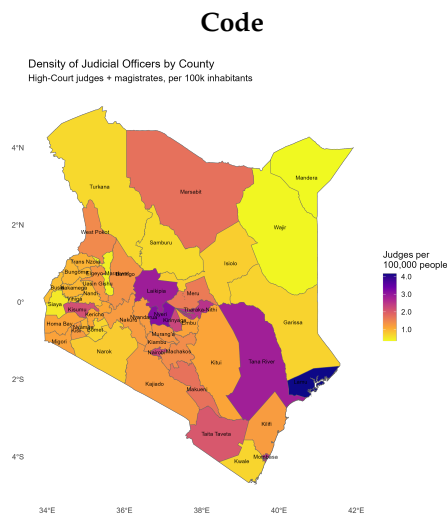
- **Reproducibility Summary:**

- **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:**
 - * **R:** The reviewers created a new environment using the latest versions of dependencies available at the moment of the review.
 - * **Stata:** The reproducibility package does not use external dependencies.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1** Does not Apply. This exhibit does not contain analytical calculations.
- **Figure 2** Does not Apply. This exhibit does not contain analytical calculations.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Figure 5** Reproduced, requires manual changes. The figure produced by the authors in the code is identical to the one produced by the replicators. However, the figure shown in the paper is different, as it was prepared by the World Bank's maps team. There are small differences in the categories due to different ranges used by the two teams. This is considered reproducible and is documented here and in the README file.



- **Figure 6** Reproduced.
- **Figure 7** Reproduced.
- **Figure 8** Reproduced.
- **Figure 9** Reproduced.
- **Figure 10** Reproduced.
- **Figure 11** Reproduced.
- **Figure 12** Does not Apply. The exhibit was sourced from another publication.
- **Figure 13** Reproduced.
- **Figure 14-1** Reproduced.
- **Figure 14-2** Reproduced.
- **Figure 15** Reproduced.
- **Figure 16** Reproduced.
- **Figure 17** Reproduced.
- **Figure 18** Reproduced.
- **Figure 19** Reproduced.
- **Figure 20** Reproduced.
- **Figure 21** Reproduced.
- **Figure 22** Reproduced.
- **Figure 23** Reproduced.
- **Figure 24-1** Reproduced.
- **Figure 24-2** Reproduced.
- **Figure 24-3** Reproduced.
- **Figure 24-4** Reproduced.
- **Figure 25** Reproduced.
- **Figure 26** Reproduced.
- **Figure 27** Reproduced.
- **Figure 28-1** Reproduced.
- **Figure 28-2** Reproduced.

- **Figure 29** Reproduced.
- **Figure 30** Reproduced.
- **Figure 31** Reproduced.
- **Figure 32** Reproduced.

Results in the Annex

Annex C

- **Figure 33** Does not Apply. This exhibit does not contain analytical calculations.
- **Figure 34** Reproduced.
- **Figure 35-A** Reproduced.
- **Figure 35-B** Reproduced.
- **Figure 35-C** Reproduced.
- **Figure 35-D** Reproduced. This figure was reproduced as 'R/Outputs/ Fig35e_gcp_filing_highcourt.png'.
- **Figure 35-E** Reproduced. This figure was reproduced as 'R/Outputs/ Fig35d_gcp_resolved_magistrates.png'.
- **Figure 35-F** Reproduced.
- **Figure 36** Reproduced.
- **Figure 37** Reproduced.

Reproduction Environment

Paper exhibits were reproduced on 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: R 4.4.1, Stata MP 18.5