

Reproducibility Package for G20 Policy Recommendations for Moving from Financial Access to Usage

Overview

This reproducibility package contains all materials required to replicate the figures presented in Chapter II of the report titled "GPFI SA Priority Paper Final." The package includes:

- A data folder with Excel workbooks corresponding to each figure in the paper
- Documentation files, including this README and the data availability statement

Each Excel workbook is structured to ensure transparency and traceability. The first worksheet, titled "Steps," documents the full process used to derive the final figure, including data sources, formulas, and intermediate steps. Subsequent worksheets contain raw data, cleaned data, and intermediate calculations. The final worksheet contains the output used in the report. To replicate the results, users should review the relevant Excel file for each figure and follow the documented steps.

Data Sources

Population Data

Filename: World Development Indicators extract (Population datasets)

Source: World Bank – World Development Indicators

URL: <https://databank.worldbank.org/source/world-development-indicators>

Years: 2016 - 2024

Variables Used: Population ages 15–64, total; Population ages 65+, total

Accessed: Between August and September 2025

These variables were combined to construct the adult population (15+), which is used for all normalization.

Country Classification Data

Filename: World Bank Country and Lending Groups classification

Source: World Bank

URL: <https://datahelpdesk.worldbank.org/knowledgebase/articles/906519-world-bank-country-and-lending-groups>

Years: 2016 - 2024

Accessed: Between August and September 2025

Used for regional classification, especially when working with IMF Financial Access Survey data.

Financial Data Sources

Source 1: IMF – Financial Access Survey (FAS)

URL: [https://data.imf.org/en/Data-Explorer?datasetUrn=IMF.STA:FAS\(5.0.0\)](https://data.imf.org/en/Data-Explorer?datasetUrn=IMF.STA:FAS(5.0.0))

Years: 2016 - 2024

Accessed: Between August and September 2025

Source 2: World Bank – Global Findex Database

URL: <https://www.worldbank.org/en/publication/globalfindex/download-data>

Years: 2016 - 2024

Accessed: Between August and September 2025

Data sources: Figures 22 and 23

The data used for these figures was shared directly by the respective government authorities. There is no formal data-sharing agreement in place. For potential replicators seeking access to the data, we recommend contacting the respective institutions directly:

- Figure 22: Bangko Sentral ng Pilipinas
- Figure 23: Central Reserve Bank of El Salvador

Data Processing and Normalization

Indicators are normalized using adult population (15+) as follows:

- Indicator per 1,000 adults: $\text{Indicator} / \text{Population} \times 1,000$
- Indicator per 100,000 adults: $\text{Indicator} / \text{Population} \times 100,000$

Data Restrictions

- Data availability is limited to publicly available sources such as IMF FAS, World Bank Findex, and population datasets.
- For Anguilla, Eswatini, and Montserrat, consistent population data are not available.
- Data for 2024 were not included, as they were still under processing at the time of analysis.
- Some figures rely on confidential data shared by member states and cannot be included in this package.
- Each figure uses the maximum available data at the time of computation.

Statement about Rights

- ✓ The author(s) have legitimate access to and permission to use all data used in this manuscript.
- ✗ Some data cannot be redistributed due to confidentiality agreements with member states.

Instructions for Replicators

To reproduce the results:

1. Download all publicly available datasets listed in the Data Sources section.
2. Open the Excel workbook corresponding to the figure of interest.
3. Review the "Steps" worksheet for detailed methodology.
4. Trace calculations from raw data to final output using the documented steps.

Note: All computations are performed within Excel. No scripts are required.

List of Exhibits

The provided materials reproduce:

- ✓ Selected figures in the paper (all figures in Chapter II)

This package does not include executable code. All analysis is conducted within Excel workbooks.

Each workbook includes:

- Data cleaning steps

- Raw data
- Intermediate calculations
- Final outputs

The "Steps" worksheet maps the full process from raw data to final results.

Folder Structure

```
Reproducibility_Package/  
├── README.txt  
├── Data_Availability_Statement.txt  
├── GPFI_SA_Priority_Paper_Final.pdf  
└── data/  
    ├── Figure_1.xlsx  
    ├── Figure_2.xlsx  
    ├── Figure_3.xlsx  
    └── ...
```

Each Excel file corresponds to a figure and contains all relevant data and calculations.