

# Reproducibility package for the Poverty, Prosperity and Planet Report 2024

## README

### Overview

This package fully reproduces all output of the Poverty, Prosperity and Planet Report 2024. The package consists of this ReadMe file, the main script “PPPR24\_master.do”, and a folder for each chapter (the Overview and Main Messages are treated as separate chapters). Each chapter folder contains all code, data and output files pertaining to that chapter. To replicate the whole report, only the user path in the main do-file “PPPR24\_master.do” needs to be adjusted and the script run.

### Data

Each data folder in each chapter consists of a “raw” and a “processed” folder. There are two versions of this replication package. The “raw” data folders can be accessed only World Bank internal users, while the data stored in “processed” has been cleaned and aggregated so that it is accessible to external users. All figures can be replicated with the “processed” data only.

In the following, all datasets and sources are listed. Data files in processed folders that are created from files in the raw data folders are not listed separately.

#### 1. Summary

##### *a. raw*

- \classifications\CLASS.dta
  - Source: <https://github.com/GPID-WB/Class/tree/master/OutputData>
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Contains country classifications
  - Files created in processed folder: countrycodes\_yearly.dta, countrycodes\_curent.dta
  - Note: No modifications have been made. Whole dataset has been downloaded.
- \emissions\edgar\CSC-GHG\_emissions-2024.03.29b.xlsx
  - Source: <https://scorecard.worldbank.org/en/scorecard/our-vision#planet>
  - Detailed documentation and instructions on how the dataset was created by the World Bank here: <https://scorecard.worldbank.org/content/dam/sites/scorecard/doc/methodology/VISION-GHG-Emissions-Clean.pdf> under "data source(s)".
  - Access year: 2024
  - Availability: Available in this package
  - Description: Greenhouse gas emission data, compiled from EDGAR and Grassi et al. (2023)
  - Files created in processed folders: emissions\_edgar\_national, emissions\_edgar\_global, emissions\_edgar\_lulucf, edgar\_ngfs\_country\_projections, edgar\_ngfs\_projections

- Note: LULUCF data in the national-level dataset for 2021 and 2022 were extrapolated from 2020 values and are not available prior to 2000. Note that the data is aggregated at multiple levels. For instance, subsectors of Energy add up to the same emissions as sector energy (separate observation). When aggregating across sectors, not all subsectors should be kept. At the time of publishing, the full data has not yet been made public on the website. Once the data is published, it will be updated in the package.
- **Addendum:** Most of the data has been published on the World Development Indicator Database after the report was published. Note that not all sectors align with the ones in the report data, and that some of the data has been updated in the meantime. These are the available indicator IDs:
  - EN.GHG.CH4.AG.MT.CE.AR5
  - EN.GHG.CH4.BU.MT.CE.AR5
  - EN.GHG.CH4.FE.MT.CE.AR5
  - EN.GHG.CH4.IC.MT.CE.AR5
  - EN.GHG.CH4.IP.MT.CE.AR5
  - EN.GHG.CH4.PI.MT.CE.AR5
  - EN.GHG.CH4.TR.MT.CE.AR5
  - EN.GHG.CH4.WA.MT.CE.AR5
  - EN.GHG.CO2.AG.MT.CE.AR5
  - EN.GHG.CO2.BU.MT.CE.AR5
  - EN.GHG.CO2.FE.MT.CE.AR5
  - EN.GHG.CO2.IC.MT.CE.AR5
  - EN.GHG.CO2.IP.MT.CE.AR5
  - EN.GHG.CO2.LU.DF.MT.CE.AR5
  - EN.GHG.CO2.LU.FL.MT.CE.AR5
  - EN.GHG.CO2.LU.MT.CE.AR5
  - EN.GHG.CO2.LU.OL.MT.CE.AR5
  - EN.GHG.CO2.LU.OS.MT.CE.AR5
  - EN.GHG.CO2.PI.MT.CE.AR5
  - EN.GHG.CO2.TR.MT.CE.AR5
  - EN.GHG.CO2.WA.MT.CE.AR5
  - EN.GHG.FGAS.IP.MT.CE.AR5
  - EN.GHG.N2O.AG.MT.CE.AR5
  - EN.GHG.N2O.BU.MT.CE.AR5
  - EN.GHG.N2O.FE.MT.CE.AR5
  - EN.GHG.N2O.IC.MT.CE.AR5
  - EN.GHG.N2O.IP.MT.CE.AR5
  - EN.GHG.N2O.PI.MT.CE.AR5
  - EN.GHG.N2O.TR.MT.CE.AR5
  - EN.GHG.N2O.WA.MT.CE.AR5
- \other\gdp\_wdi.dta
  - Source: World Development Indicators, variable: NY.GDP.MKTP.KD
  - Code: wbopendata, indicator(NY.GDP.MKTP.KD) long clear

- Access year: 2024
- Availability: All data are publicly available
- Description: GDP (constant 2015 US\$)
- Files created in processed folder: gdp.dta
- \other\pfw\_v11.dta
  - Source: Poverty and Inequality Platform (PIP): [https://github.com/PIP-Technical-Team/aux\\_pfw/blob/DEV/pfw.dta](https://github.com/PIP-Technical-Team/aux_pfw/blob/DEV/pfw.dta)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: List of surveys in PIP
  - Files created in processed folders: gini\_intermediate\_latest, gini\_intermediate\_all
  - Note: Data has not been modified.
- \other\mean\_bottomcode.dta
  - Source: Poverty and Inequality Platform (PIP), binned distribution dataset: [https://datacatalog.worldbank.org/int/search/dataset/0064304/1000\\_binned\\_global\\_distribution](https://datacatalog.worldbank.org/int/search/dataset/0064304/1000_binned_global_distribution)
  - Note: The newest version of the data used for this file is not yet available online, and the source data cannot be shared yet.
  - Instructions: To create the dataset from the raw data, the following code can be run in Stata:  
 replace welf = 0.25 if welf<0.25  
 rename welf mean  
 collapse mean [w=pop], by(country\_code year)
  - Availability: Data in this repository can be shared.
  - Description: Mean welfare for each country, bottom coded.
  - Files created in processed folder: PG\_1981\_2024\_3pr24.dta
- \poverty\FGTglobal\_1990\_2050\_3pr24.dta
  - Source: World Bank compilation based on data from PIP, growth projections in the Global Economic Prospects (June 2024) complemented by the Macro and Poverty Outlooks (April 2024) and World Economic Outlook (April 2024).
  - Note: To create these files, please see code in the supplementary folder.
  - List of data sources:
    - lineup\_allcountries\_PIP\_202409:  
pip, version(20240627\_2017\_01\_02\_PROD) nowcasts clear
    - pip\_aggregate\_v20240802:  
pip wb, version(20240627\_2017\_01\_02\_PROD) nowcasts clear
    - CLASS\_FY24: <https://github.com/GPID-WB/Class/tree/master/OutputData>
    - Population\_UN\_WPP2022.xlsx:  
<https://population.un.org/wpp/Download/Standard/MostUsed/> ("Complete")
    - piptables\_population: pip, table(pop) version(20240627\_2017\_01\_02\_PROD)
    - piptables\_gdp: pip, table(gdp) version(20240627\_2017\_01\_02\_PROD)
    - GlobalDist1000bins\_1990\_2024\_3pr24:  
[https://datacatalog.worldbank.org/int/search/dataset/0064304/1000\\_binned\\_global\\_distribution](https://datacatalog.worldbank.org/int/search/dataset/0064304/1000_binned_global_distribution)

- GDP\_WEO\_2019\_10: <https://www.imf.org/en/Publications/SPROLLs/world-economic-outlook-databases#sort=%40imfdate%20descending> (“World Economic Outlook Database, October 2019”)
  - GDP\_WEO\_2024\_04: <https://www.imf.org/en/Publications/WEO/weo-database/2024/April/download-entire-database>
  - GDP\_GEP\_2021\_06: This dataset is internal. To access please contact the Global Economic Prospects team: [prospects@worldbank.org](mailto:prospects@worldbank.org)
  - GDP\_GEP\_2024\_06\_internal: This dataset is internal. To access please contact the Global Economic Prospects team: [prospects@worldbank.org](mailto:prospects@worldbank.org)
  - OV\_MFM\_gdp\_elas\_Mar24: This dataset is internal. To access please contact the Data for Goals team: [data4goals@worldbank.org](mailto:data4goals@worldbank.org)
  - Povsim.ado: <https://www.worldbank.org/en/data/interactive/2016/10/02/poverty-and-shared-prosperity-2016-poverty-simulations>
- Access year: 2024
- Availability: Available in this package
- Description: Projections of poverty under different growth scenarios
- Files created in processed folders: **projections\_global\_2050.dta**
- **ADDENDUM:**
  - The data file “/Summary/1-data/raw/forecasts/FGTglobal\_1990\_2050\_3pr24.dta” was updated in the reproducibility package on 12/17/2024. The previous version of the file contained wrong values for the “historical” scenario up to 2024.
  - Based on these changes, the data file “/Summary/2-output/projections\_global\_2050.dta was also updated.
  - These changes do not affect any figures in the chapter.
- \poverty\pip\_data\_survey\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024): <https://pip.worldbank.org/>
  - Code: pip, povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Survey PIP data
  - Files created in processed folders: poverty\_country\_survey.dta, gini\_intermediate\_latest, gini\_intermediate\_all
- \poverty\pip\_data\_lineup\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024): <https://pip.worldbank.org/>
  - Code: pip, nowcasts povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Lined-up PIP data
  - Files created in processed folders: poverty\_country\_lineup.dta

- \vulnerability\Exp\_vul\_rai\_2021\_raw.dta (please confirm)
  - Source: <https://reproducibility.worldbank.org/index.php/catalog/186/>
  - Access year: 2024
  - Availability: Data is for World Bank internal use only.
  - Description: Population exposed, vulnerable and at high risk from climate-related hazards, on the country level.
  - Note: The data used in this package is the resulting data frame derived from the packages linked. The final dataset itself is not shared externally; only the indicators scorecard is provided. The full dataset was directly supplied by the authors. Please refer to the instructions in the package to recreate the dataset. Additionally, the authors of this paper have provided processed data that is included with this package, allowing for full replication of the study using the present package. The indicators will also be made available here end of October 2024: <https://scorecard.worldbank.org/en/scorecard/our-vision#planet>, after the report has been published.
  - Files created in processed folders: exposure\_vulnerability\_2021
  - Note: No modification to raw data has been made.

#### *b. processed*

- \pop.dta
  - Source: Poverty and Inequality Platform (version September 2024)
  - Code: pip tables, clear table(pop) version(20240627\_2017\_01\_02\_PROD)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global population numbers (sourced from SP.POP.TOTL from WDI)
- \pop\_reportinglevel.dta
  - Source: Poverty and Inequality Platform (version September 2024)
  - Code: pip tables, clear table(pop) version(20240627\_2017\_01\_02\_PROD)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global population numbers with urban/rural difference (sourced from SP.POP.TOTL from WDI)
- \PG\_1981\_2024\_3pr24.dta
  - Source: Poverty and Inequality Platform (version September 2024).
  - Code: See "summary\_1b\_povertydata.do"
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global Prosperity Gap data
  - Note: Includes regional average estimates for missing countries

## 2. Overview

#### *a. raw*

- \classifications\CLASS.dta
  - Source: <https://github.com/GPID-WB/Class/tree/master/OutputData>

- Access year: 2024
- Availability: All data are publicly available
- Description: Contains World Bank country classifications
- Files created in processed folder: countrycodes\_yearly.dta, countrycodes\_curent.dta
- Note: No modifications have been made. Whole dataset has been downloaded.
- \emissions\edgar\CSC-GHG\_emissions-2024.03.29b.xlsx
  - Source: <https://scorecard.worldbank.org/en/scorecard/our-vision#planet>
    - Detailed documentation and instructions on how the dataset was created by the World Bank here: <https://scorecard.worldbank.org/content/dam/sites/scorecard/doc/methodology/VISION-GHG-Emissions-Clean.pdf> under "data source(s)".
  - Access year: 2024
  - Availability: Available in this package
  - Description: Greenhouse gas emission data, compiled from EDGAR and Grassi et al. (2023)
  - Files created in processed folders: emissions\_edgar\_national, emissions\_edgar\_global, emissions\_edgar\_lulucf, edgar\_ngfs\_country\_projections, edgar\_ngfs\_projections
  - Note: LULUCF data in the national-level dataset for 2021 and 2022 were extrapolated from 2020 values and are not available prior to 2000. Note that the data is aggregated at multiple levels. For instance, subsectors of Energy add up to the same emissions as sector energy (separate observation). When aggregating across sectors, not all subsectors should be kept. At the time of publishing, the full data has not yet been made public on the website. Once the data is published, it will be updated in the package.
  - **Addendum:** Most of the data has been published on the World Development Indicator Database after the report was published. Note that not all sectors align with the ones in the report data, and that some of the data has been updated in the meantime. These are the available indicator IDs:
    - EN.GHG.CH4.AG.MT.CE.AR5
    - EN.GHG.CH4.BU.MT.CE.AR5
    - EN.GHG.CH4.FE.MT.CE.AR5
    - EN.GHG.CH4.IC.MT.CE.AR5
    - EN.GHG.CH4.IP.MT.CE.AR5
    - EN.GHG.CH4.PI.MT.CE.AR5
    - EN.GHG.CH4.TR.MT.CE.AR5
    - EN.GHG.CH4.WA.MT.CE.AR5
    - EN.GHG.CO2.AG.MT.CE.AR5
    - EN.GHG.CO2.BU.MT.CE.AR5
    - EN.GHG.CO2.FE.MT.CE.AR5
    - EN.GHG.CO2.IC.MT.CE.AR5
    - EN.GHG.CO2.IP.MT.CE.AR5
    - EN.GHG.CO2.LU.DF.MT.CE.AR5
    - EN.GHG.CO2.LU.FL.MT.CE.AR5
    - EN.GHG.CO2.LU.MT.CE.AR5

- EN.GHG.CO2.LU.OL.MT.CE.AR5
- EN.GHG.CO2.LU.OS.MT.CE.AR5
- EN.GHG.CO2.PI.MT.CE.AR5
- EN.GHG.CO2.TR.MT.CE.AR5
- EN.GHG.CO2.WA.MT.CE.AR5
- EN.GHG.FGAS.IP.MT.CE.AR5
- EN.GHG.N2O.AG.MT.CE.AR5
- EN.GHG.N2O.BU.MT.CE.AR5
- EN.GHG.N2O.FE.MT.CE.AR5
- EN.GHG.N2O.IC.MT.CE.AR5
- EN.GHG.N2O.IP.MT.CE.AR5
- EN.GHG.N2O.PI.MT.CE.AR5
- EN.GHG.N2O.TR.MT.CE.AR5
- EN.GHG.N2O.WA.MT.CE.AR5
- \emissions\historical\_ghg-emissions\_cw\_pik.csv
  - Source: PRIMAP-hist data (Gütschow, Pflüger and Busch, 2024):  
<https://primap.org/primap-hist/2024>  
[HISTCR EARTH KYOTOGHG \(AR4GWP100\) Mt.csv](#)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Historical emissions data
  - Files created in processed folders: emissions\_historical\_pik
- \forecasts\FGTcountry\_1990\_2050\_3pr24.dta
  - Source: World Bank compilation based on data from PIP, growth projections in the Global Economic Prospects (June 2024) complemented by the Macro and Poverty Outlooks (April 2024) and World Economic Outlook (April 2024).
  - Note: For detailed instructions, see entry for  
“\poverty\FGTglobal\_1990\_2050\_3pr24.dta” in the “Summary” section above.
  - Access year: 2024
  - Availability: Available in this package
  - Description: Projections of poverty under different growth scenarios
  - Files created in processed folders: projections\_country\_2030.dta
- \forecasts\FGTglobal\_1990\_2050\_3pr24.dta
  - Source: World Bank compilation based on data from PIP, growth projections in the Global Economic Prospects (June 2024) complemented by the Macro and Poverty Outlooks (April 2024) and World Economic Outlook (April 2024).
  - Note: For detailed instructions, see entry for  
“\poverty\FGTglobal\_1990\_2050\_3pr24.dta” in the “Summary” section above.
  - Access year: 2024
  - Availability: Available in this package
  - Description: Projections of poverty under different growth scenarios
  - Files created in processed folders: projections\_global\_2050.dta
  - **ADDENDUM:**

- The data file “/Overview/1-data/raw/forecasts/FGTglobal\_1990\_2050\_3pr24.dta” was updated in the reproducibility package on 12/17/2024. The previous version of the file contained wrong values for the “historical” scenario up to 2024.
  - Based on these changes, the the data file “/Overview/2-output/projections\_global\_2050.dta was also updated.
  - In the output files, column I (historical headcount) of /Overview/2-output/overview.xlsx, sheets “fig2 2.15” and “fig2 6.85”, have been updated.
- \forecasts\FGTregion\_1990\_2050\_3pr24.dta
  - Source: World Bank compilation based on data from PIP, growth projections in the Global Economic Prospects (June 2024) complemented by the Macro and Poverty Outlooks (April 2024) and World Economic Outlook (April 2024).
  - Note: For detailed instructions, see entry for “\poverty\FGTglobal\_1990\_2050\_3pr24.dta” in the “Summary” section above.
  - Access year: 2024
  - Availability: Available in this package
  - Description: Projections of poverty under different growth scenarios
  - Files created in processed folders: projections\_region\_2030.dta
  - **ADDENDUM:**
    - The data file “/Overview/1-data/raw/forecasts/FGTregion\_1990\_2050\_3pr24.dta” was updated in the reproducibility package on 12/17/2024. The previous version of the file contained wrong values for the “historical” scenario up to 2024.
    - These changes do not affect any figures in the chapter.
- \ngfs\_projections\ngfs\_downscale\_emissions ; ngfs\_global\_emissions; ngfs\_global\_temp; ngfs\_rm\_downscale\_gdppop ; ngfs\_rm\_global\_gdppop
  - Source: IIASA-NGFS, NGFS Phase 4 Scenario Explorer: <https://data.ene.iiasa.ac.at/ngfs/#/workspaces>
  - Access year: 2024
  - Availability: All data are publicly available after creating an account
  - Instructions to download. On the IIASA-NGFS website, create an account and open a workspace using the “+” button on the top right and selecting “Add timeseries panel”:
    - ngfs\_downscale\_emissions:
      - Under “Select Scenario” and “Select from list” choose all available scenarios for “Downscaling[MESSAGEix-GLOBIOM 1.1-M-R12]”, “Downscaling[REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (95th-high)]”, “Downscaling[REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)]” and “Downscaling[GCAM 6.0 NGFS]”
      - Under “Regions” choose “Select all”-> “Countries”
      - Under “Data selection” choose “Emissions| Kyoto Gases (incl. indirect LULUCF)”
      - Download data
    - ngfs\_global\_emissions:



- Under “Select Scenario” and “Select from list” choose all available scenarios for “GCAM 6.0 NGF”, “MESSAGEix-GLOBIOM 1.1-M-R12”, “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (95th-high)” and “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)”
  - Under “Regions” choose “Global”-> “World”
  - Under “Data selection” choose “Emissions| Kyoto Gases”
  - Download data
- ngfs\_global\_temp:
  - Under “Select Scenario” and “Select from list” choose all available scenarios for “GCAM 6.0 NGF”, “MESSAGEix-GLOBIOM 1.1-M-R12”, “REMIND-MAgPIE 3.2-4.6”, “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (95th-high)” and “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)”
  - Under “Regions” choose “Global”-> “World”
  - Under “Data selection” choose “AR6 climate diagnostics| Surface Temperature (GSAT)| MAGICCv7.5.3| 50.0th Percentile”
  - Download data
- ngfs\_rm\_downscale\_gdppop:
  - Under “Select Scenario” and “Select from list” choose all available scenarios for “Downscaling[REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (95th-high)]” and “Downscaling[REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)]”
  - Under “Regions” choose “Select all”-> “Countries”
  - Under “Data selection” choose “GDP| PPP|including high chronic physical risk damage estimate”, “GDP| PPP|including medium chronic physical risk damage estimate” and “Population”
  - Download data
- ngfs\_global\_gdppop:
  - Under “Select Scenario” and “Select from list” choose all available scenarios for “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (95th-high)” and “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)”
  - Under “Regions” choose “Global”-> “World”
  - Under “Data selection” choose “GDP| PPP|including high chronic physical risk damage estimate”, “GDP| PPP|including medium chronic physical risk damage estimate” and “Population”
  - Download data
- Description: Emission, GDP, temperature and population projection data under various NGFS scenarios
- Note: Constant annual growth in GDP and population within 5-year intervals assumed
- Files created in processed folders: edgar\_ngfs\_country\_projections, edgar\_ngfs\_projections, ngfs\_temp\_projections
- \other\gdp\_wdi.dta

- Source: World Development Indicators, variable: NY.GDP.MKTP.KD
  - Code: wbopendata, indicator(NY.GDP.MKTP.KD) long clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: GDP (constant 2015 US\$)
  - Files created in processed folder: gdp.dta
- \other\pfw\_v11.dta
  - Source: Poverty and Inequality Platform (PIP): [https://github.com/PIP-Technical-Team/aux\\_pfw/blob/DEV/pfw.dta](https://github.com/PIP-Technical-Team/aux_pfw/blob/DEV/pfw.dta)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: List of surveys in PIP
  - Files created in processed folder: gini\_intermediate\_latest, gini\_intermediate\_all
  - Note: Data has not been modified.
- \other\wollburgetal2023.xlsx
  - Source: Wollburg et al. (2023): <https://www.nature.com/articles/s41586-023-06679-0#MOESM5> , Figure 2 and Figure 3
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Estimates of additional emission intensities under poverty reduction scenarios
  - Files created in processed folders: wollburg\_global, wollburg\_scenarios
- \other\gmst\_changes\_model\_and\_obs
  - Source: IPCC (2021) <https://ipcc-browser.ipcc-data.org/browser/dataset/152/0>
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global temperature history estimates
  - Chapters: Overview, Chapter 3
  - Files created in processed folders: ngfs\_temp\_projections
- \other\mpm\_country\_level\_estimates.dta
  - Source: Global Monitoring Database (internal)
  - Code: datalibweb, country(WLD) year(2024) type(GMI) vermast(01) veralt(03) survey(ALL) module(MPM) clear
  - Access year: 2024
  - Availability: Data is for internal use only.
  - Description: Multidimensional poverty data, newest version has not yet been released.
  - Files created in processed folders: mpm\_3pr24.dta
  - Note: data is obtained from the World Bank Datalibweb [platform](#) using the Stata package *datalibweb*. Access to the Survey data in the Global Monitoring Database (GMD) is provided only for World Bank staff working with Bank managed computers, and the data is not available for external users. Most of the surveys in the GMD is available internally, however for some data users need to request access to the data in the Datalibweb [platform](#). Users need to install the *datalibweb* ado package following the instructions in

the About tab of the Datalibweb website. See example code in the supplementary files folder.

- **Addendum:** The data has been made internally available after the report was published. The codes calling the data (“ch1\_1c\_otherdata” and “overview\_1h\_mpm\_revised.do”) have been revised to call the data directly from datalibweb.

- \other\mean\_bottomcode.dta
  - Source: Poverty and Inequality Platform (PIP), binned distribution dataset: [https://datacatalog.worldbank.org/int/search/dataset/0064304/1000\\_binned\\_global\\_distribution](https://datacatalog.worldbank.org/int/search/dataset/0064304/1000_binned_global_distribution)
  - Note: The newest version of the data used for this file is not yet available online, and the source data cannot be shared yet.
  - Instructions: To create the dataset from the raw data, the following code can be run in Stata:  
rename welf mean  
collapse mean [w=pop], by(country\_code year)
  - Availability: Data in this repository can be shared.
  - Description: Mean welfare for each country, bottom coded.
  - Files created in processed folder: PG\_1981\_2024\_3pr24.dta
- \pip\pip\_data\_survey\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024): <https://pip.worldbank.org/>
  - Code: pip, povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Survey PIP data
  - Files created in processed folders: poverty\_country\_survey.dta, gini\_intermediate\_latest, gini\_intermediate\_all
- \pip\pip\_data\_lineup\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024): <https://pip.worldbank.org/>
  - Code: pip, nowcasts povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Lined-up PIP data
  - Files created in processed folders: poverty\_country\_lineup.dta
- \pip\pip\_data\_aggregate\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024): <https://pip.worldbank.org/>
  - Code: pip wb, nowcasts povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024

- Availability: All data are publicly available
- Description: Lined-up PIP data
- Files created in processed folders: poverty\_aggregates.dta
- \vulnerability\Exp\_vul\_rai\_2021\_raw.dta
  - Source: <https://reproducibility.worldbank.org/index.php/catalog/186/>
  - Access year: 2024
  - Availability: Data is for World Bank internal use only.
  - Description: Population exposed, vulnerable and at high risk from climate-related hazards, on the country level.
  - Files created in processed folders: exposure\_vulnerability\_2021
  - Note: No modification to raw data has been made.
- \vulnerability\pov\_vul6a\_climate\_data\_2010; \pov\_vul6a\_climate\_data\_2019 (to confirm)
  - Source: Doan et al. (2023):  
<https://documents.worldbank.org/en/publication/documents-reports/documentdetail/099602511292336760/idu07639ca570f3cb048db09bf60fc2cc82df22d> (data received from authors)
  - Access year: 2024
  - Availability: Data is in the paper, but data files are not publicly available. Cannot be shared publicly.
  - Description: Estimates of exposure, vulnerability and risk from climate-related hazards for 2010 and 2019
  - Notes: The data can be obtained from the authors of the original paper linked above.
  - Files created in processed folder: exposure\_vulnerability\_incg\_panel
  - Note: No modification to raw data has been made.

#### *b. processed*

- \pop.dta
  - Source: Poverty and Inequality Platform (version September 2024)
  - Code: pip tables, clear table(pop) version(20240627\_2017\_01\_02\_PROD)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global population numbers (sourced from SP.POP.TOTL from WDI)
- \pop\_reportinglevel.dta
  - Source: Poverty and Inequality Platform (version September 2024)
  - Code: pip tables, clear table(pop) version(20240627\_2017\_01\_02\_PROD)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global population numbers (sourced from SP.POP.TOTL from WDI)
- \PG\_1981\_2024\_3pr24.dta
  - Source: Poverty and Inequality Platform (version September 2024).
  - Code: See "overview\_1b\_povertydata.do"
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global Prosperity Gap data
  - Note: Includes regional average estimates for missing countries

- \countrylist.dta
  - Source: Poverty and Inequality Platform (PIP): <https://pip.worldbank.org/>
  - Code: pip tables, table(country\_list) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: List of surveys in PIP, available through Stata: pip tables, table(country\_list) clear
  - Note: Data in processed folder but not based on raw data

### 3. Chapter 1

#### a. raw

- \classifications\CLASS.dta
  - Source: <https://github.com/GPID-WB/Class/tree/master/OutputData>
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Contains country classifications
  - Files created in processed folder: countrycodes\_yearly.dta, countrycodes\_curent.dta
  - Note: No modifications have been made. Whole dataset has been downloaded.
- \forecasts\FGTcountry\_1990\_2050\_3pr24.dta
  - Source: World Bank compilation based on data from PIP, growth projections in the Global Economic Prospects (June 2024) complemented by the Macro and Poverty Outlooks (April 2024) and World Economic Outlook (April 2024).
  - Note: For detailed instructions, see entry for “\poverty\FGTglobal\_1990\_2050\_3pr24.dta” in the “Summary” section above.
  - Access year: 2024
  - Availability: Available in this package
  - Description: Projections of poverty under different growth scenarios
  - Files created in processed folder: projections\_country\_2030.dta
- \forecasts\FGTglobal\_1990\_2050\_3pr24.dta
  - Source: World Bank compilation based on data from PIP, growth projections in the Global Economic Prospects (June 2024) complemented by the Macro and Poverty Outlooks (April 2024) and World Economic Outlook (April 2024).
  - Note: For detailed instructions, see entry for “\poverty\FGTglobal\_1990\_2050\_3pr24.dta” in the “Summary” section above.
  - Access year: 2024
  - Availability: Available in this package
  - Description: Projections of poverty under different growth scenarios
  - Files created in processed folder: projections\_global\_2050.dta
  - **ADDENDUM:**
    - The data file “/Chapter 1/1-data/raw/forecasts/FGTglobal\_1990\_2050\_3pr24.dta” was updated in the

reproducibility package on 12/17/2024. The previous version of the file contained wrong values for the “historical” scenario up to 2024.

- Based on these changes, the the data file “/Chapter 1/2-output/projections\_global\_2050.dta” was also updated.
- In the output files, column I (historical headcount) of /Overview/2-output/chapter 1.xlsx, sheets “fig3 2.15” and “fig3 6.85”, have been updated.
- \forecasts\FGTregion\_1990\_2050\_3pr24.dta
  - Source: World Bank compilation based on data from PIP, growth projections in the Global Economic Prospects (June 2024) complemented by the Macro and Poverty Outlooks (April 2024) and World Economic Outlook (April 2024).
  - Note: For detailed instructions, see entry for “\poverty\FGTglobal\_1990\_2050\_3pr24.dta” in the “Summary” section above.
  - Access year: 2024
  - Availability: Available in this package
  - Description: Projections of poverty under different growth scenarios
  - Files created in processed folder: projections\_region\_2030.dta
  - **ADDENDUM:**
    - The data file “/Chapter 1/1-data/raw/forecasts\FGTregion\_1990\_2050\_3pr24.dta” was updated in the reproducibility package on 12/17/2024. The previous version of the file contained wrong values for the “historical” scenario up to 2024.
    - These changes do not affect any figures in the chapter.
- \other\combinedprojecteddata\_globalchanges.dta
  - Source: World Bank compilation using data from previous Poverty and Shared Prosperity Reports
  - Access year: 2024
  - Availability: Data is not publicly available
  - Description: Combined projection data from previous PSPRs
  - Files created in processed folder Chapter 1: previous\_nowcasts.dta
  - Note: No modifications have been made. Data comes from these sources:
    - <https://blogs.worldbank.org/en/opendata/pandemic-prices-and-poverty>
    - <https://blogs.worldbank.org/en/opendata/updated-estimates-impact-covid-19-global-poverty-turning-corner-pandemic-2021>
    - <https://blogs.worldbank.org/en/opendata/updated-estimates-impact-covid-19-global-poverty-looking-back-2020-and-outlook-2021>
    - <https://blogs.worldbank.org/en/opendata/projecting-global-extreme-poverty-2030-how-close-are-we-world-banks-3-goal>
    - <https://blogs.worldbank.org/en/opendata/updated-estimates-impact-covid-19-global-poverty>
    - <https://blogs.worldbank.org/en/opendata/impact-covid-19-coronavirus-global-poverty-why-sub-saharan-africa-might-be-region-hardest>
    - Contact [GPI\\_Data\\_Team@worldbank.org](mailto:GPI_Data_Team@worldbank.org) for access to the data.
- \other\global\_profile\_lineup\_2022\_country\_level.dta

- Source: Global Monitoring Database:  
[https://datacatalog.worldbank.org/int/search/dataset/0066601/global\\_distribution\\_of\\_welfare\\_2022](https://datacatalog.worldbank.org/int/search/dataset/0066601/global_distribution_of_welfare_2022)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Profiles of the poor data
  - Files created in processed folder Chapter 1: global\_poor\_age, global\_poor\_age\_distinct, global\_poor\_location, global\_poor\_schooling
  - Addendum: The data has been made publicly available on 12/20/2024, after the report was published.
- \other\GSAP\_lineup2021\_external.dta
    - Source: Global Subnational Poverty Atlas  
[https://datacatalog.worldbank.org/search/dataset/0042041/global\\_subnational\\_poverty\\_atlas\\_gsap](https://datacatalog.worldbank.org/search/dataset/0042041/global_subnational_poverty_atlas_gsap)
    - Access year: 2024
    - Availability: All data are publicly available
    - Description: Subnational poverty data
    - Files created in processed folders: gsap\_processed.dta
    - Addendum: The file has been made publicly available on 11/26/2024, after the report was published. To access the data, download the "Global Subnational Poverty Atlas (GSAP) Data" Excel file. The do-file which loads the data (ch1\_1c\_otherdata), has been revised to read the data from the Excel file.
  - \other\mpm\_country\_level\_estimates.dta
    - Source: Global Monitoring Database (internal)
    - Code: datalibweb, country(WLD) year(2024) type(GMI) vermast(01) veralt(03) survey(ALL) module(MPM) clear
    - Access year: 2024
    - Availability: Data is for internal use only
    - Description: Multidimensional poverty data, newest version has not yet been released.
    - Files created in processed folders: mpm\_3pr24.dta
    - Note: data is obtained from the World Bank Datalibweb [platform](#) using the Stata package *datalibweb*. Access to the Survey data in the Global Monitoring Database (GMD) is provided only for World Bank staff working with Bank managed computers, and the data is not available for external users. Most of the surveys in the GMD is available internally, however for some data users need to request access to the data in the Datalibweb [platform](#). Users need to install the *datalibweb* ado package following the instructions in the About tab of the Datalibweb website. See example code in the supplementary files folder.
    - Addendum: The data has been made internally available after the report was published. The codes calling the data ("ch1\_1c\_otherdata" and "overview\_1h\_mpm\_revised.do") have been revised to call the data directly from datalibweb.

- \pip\pip\_data\_survey\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024):  
<https://pip.worldbank.org/>
  - Code: pip, povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Survey PIP data
  - Files created in processed folders: poverty\_country\_survey
- \pip\pip\_data\_lineup\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024):  
<https://pip.worldbank.org/>
  - Code: pip, nowcasts povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Lined-up PIP data
  - Files created in processed folders: poverty\_country\_lineup.dta
- \pip\pip\_data\_aggregate\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024):  
<https://pip.worldbank.org/>
  - Code: pip wb, nowcasts povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Lined-up PIP data
  - Files created in processed folders: poverty\_aggregates.dta
- \pip\pip\_data\_last\_survey\_202209
  - Source: Poverty and Inequality Platform (version September 2024):  
<https://pip.worldbank.org/>
  - Code: pip, clear version(20220909\_2017\_01\_02\_PROD) year(last)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Survey PIP data from last year that was accessible in the PSPR 2022
  - Files created in processed folders: pip\_data\_pspr22

#### *b. processed*

- \pop.dta
  - Source: Poverty and Inequality Platform (version September 2024)
  - Code: pip tables, clear table(pop) version(20240627\_2017\_01\_02\_PROD)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global population numbers (sourced from SP.POP.TOTL from WDI)
- \pop\_reportinglevel.dta
  - Source: Poverty and Inequality Platform (version September 2024)



- Code: pip tables, clear table(pop) version(20240627\_2017\_01\_02\_PROD)
- Access year: 2024
- Availability: All data are publicly available
- Description: Global population numbers (sourced from SP.POP.TOTL from WDI)
- \countrylist.dta
  - Source: Poverty and Inequality Platform (PIP): <https://pip.worldbank.org/>
  - Code: pip tables, table(country\_list) version(20240627\_2017\_01\_02\_PROD)  
clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: List of surveys in PIP, available through Stata: pip tables,  
table(country\_list) clear

## 4. Chapter 2

### *a. raw*

- \pfw\_v11.dta
  - Source: Poverty and Inequality Platform (PIP): [https://github.com/PIP-Technical-Team/aux\\_pfw/blob/DEV/pfw.dta](https://github.com/PIP-Technical-Team/aux_pfw/blob/DEV/pfw.dta)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: List of surveys in PIP
  - Files created in processed folder: gini\_intermediate\_latest, gini\_intermediate\_all
  - Note: Data has not been modified.
- \mean\_bottomcode.dta
  - Source: Poverty and Inequality Platform (PIP), binned distribution dataset: [https://datacatalog.worldbank.org/int/search/dataset/0064304/1000\\_binned\\_global\\_distribution](https://datacatalog.worldbank.org/int/search/dataset/0064304/1000_binned_global_distribution)
  - Note: The newest version of the data used for this file is not yet available online, and the source data cannot be shared yet.
  - Instructions: To create the dataset from the raw data, the following code can be run in Stata:  
rename welf mean  
collapse mean [w=pop], by(country\_code year)
  - Availability: Data in this repository can be shared.
  - Description: Mean welfare for each country, bottom coded.
  - Files created in processed folder: PG\_1981\_2024\_3pr24.dta

### *b. processed*

- \classifications\CLASS\_FY24.dta
  - Source: <https://github.com/GPID-WB/Class/tree/master/OutputData>
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Contains country classifications

- Note: No modifications have been made. Whole dataset has been downloaded. File was renamed from CLASS.dta to CLASS\_FY24.dta.
- \b40\_growth\_3PR.dta
  - Source: PIP (September 2024) and Global Dataset for Shared Prosperity (GDSP, 13th edition, <https://www.worldbank.org/en/topic/poverty/brief/global-database-of-shared-prosperity>)
  - Note: The data uses the country list in the Excel file on the website. The estimates are based on microdata for these countries with bottom code at \$0.25 per person per day to match the data in PIP. The source data cannot be shared. See code in supplementary files folder.
  - Access year: 2024
  - Availability: Source file cannot be shared. The file in the repository can be shared.
  - Description: Reports the mean growth of the bottom 40 percent and the entire distribution for a list of countries in GDSP, 13th edition.
- \pip\_3pr2024\_v20240802
  - Source: Poverty and Inequality Platform. <https://pip.worldbank.org/>
  - Code: pip, nowcasts version(20240627\_2017\_01\_02\_PROD) clear
  - Note: Regional averages are used for countries with missing data, which is done in do-file "ch2\_1a\_pip\_data"
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Main prosperity gap data
  - Files created in processed folder: gini\_intermediate\_latest, gini\_intermediate\_all
- \piptables\_country\_list
  - Source: Poverty and Inequality Platform. <https://pip.worldbank.org/>
  - Code: pip tables, table(country\_list) clear version(20240627\_2017\_01\_02\_PROD)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: List of countries in PIP
- \sp\_pop\_totl
  - Source: Poverty and Inequality Platform. <https://pip.worldbank.org/>
  - Code: pip tables, table(pop) clear version(20240627\_2017\_01\_02\_PROD)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Population data
- \Ginis\_3PR\_fromWaiPoiSosaBatchas
  - Source: Wai-Poi, M., M. Sosa, and P. Bachas. Forthcoming. "Taxes, Spending and Equity: International Patterns and Lessons for Developing Countries." Washington, DC: The World Bank.
  - Data has been made available by the authors
  - Description: Data on disposable and market income inequality.
  - Availability: Available in this package

- Note: The data was provided directly by the authors of the source paper and is not yet publicly available; however, it is included in this reproducibility package. The package will be updated once the data is published.
- \PG\_1981\_2024\_3pr24.dta
  - Source: Poverty and Inequality Platform (version September 2024).
  - Code: See "ch2\_1a\_pip\_data.do"
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global Prosperity Gap data
  - Note: Includes regional average estimates for missing countries
- \PG\_bottomcoding\_paper.dta
  - Source: Yonzan, Nishant (r) Minh Cong Nguyen (r) Christoph Lakner (r) Aart Kraay (r) Dean Mitchell Jolliffe (r) Haoyu Wu (r) Gabriel Lara Ibarra. Forthcoming. Bottom-coding for the measurement of global poverty and inequality
  - Description: Data is used to show the impact of bottom-coding consumption and income distributions.
  - Availability: Source data is not yet publicly available, but data in replication folder can be shared.
  - Note: The data was provided directly by the authors of the source paper and is not yet publicly available; however, it is included in this reproducibility package. The package will be updated once the data is published.
- \PG\_surveyestimates\_20240802
  - Source: Poverty and Inequality Platform (version September 2024). <https://pip.worldbank.org/>
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: PIP survey data that has Global Prosperity Gap
  - Chapters: Chapter 2
  - Note: Stored in Chapter 2 processed folder
  - Code: pip, version(20240627\_2017\_01\_02\_PROD) clear

## 5. Chapter 3

### a. raw

- \classifications\CLASS.dta
  - Source: <https://github.com/GPID-WB/Class/tree/master/OutputData>
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Contains country classifications
  - Files created in processed folder: countrycodes\_yearly.dta, countrycodes\_curent.dta
  - Note: No modifications have been made. Whole dataset has been downloaded.
- \classifications\FY25 small states etc.xlsx

- Source: World Bank list of small states:  
<https://www.worldbank.org/en/news/statement/2024/06/26/small-states-and-small-states-forum-members>
- Access year: 2024
- Availability: Not yet publicly available
- Description: Used to exposure for small states
- Files created in processed folder: small\_states.dta
- Note: No modifications have been made
- \emissions\edgar\CSC-GHG\_emissions-2024.03.29b.xlsx
  - Source: <https://scorecard.worldbank.org/en/scorecard/our-vision#planet>
    - Detailed documentation and instructions on how the dataset was created by the World Bank here:  
<https://scorecard.worldbank.org/content/dam/sites/scorecard/doc/methodology/VISION-GHG-Emissions-Clean.pdf> under "data source(s)".
  - Access year: 2024
  - Availability: Available in this package
  - Description: Greenhouse gas emission data, compiled from EDGAR and Grassi et al. (2023)
  - Files created in processed folders: emissions\_edgar\_national, emissions\_edgar\_global, emissions\_edgar\_lulucf, edgar\_ngfs\_country\_projections, edgar\_ngfs\_projections
  - Note: LULUCF data in the national-level dataset for 2021 and 2022 were extrapolated from 2020 values and are not available prior to 2000. Note that the data is aggregated at multiple levels. For instance, subsectors of Energy add up to the same emissions as sector energy (separate observation). When aggregating across sectors, not all subsectors should be kept. At the time of publishing, the full data has not yet been made public on the website. Once the data is published, it will be updated in the package.
  - **Addendum**: Most of the data has been published on the World Development Indicator Database after the report was published. Note that not all sectors align with the ones in the report data, and that some of the data has been updated in the meantime. These are the available indicator IDs:
    - EN.GHG.CH4.AG.MT.CE.AR5
    - EN.GHG.CH4.BU.MT.CE.AR5
    - EN.GHG.CH4.FE.MT.CE.AR5
    - EN.GHG.CH4.IC.MT.CE.AR5
    - EN.GHG.CH4.IP.MT.CE.AR5
    - EN.GHG.CH4.PI.MT.CE.AR5
    - EN.GHG.CH4.TR.MT.CE.AR5
    - EN.GHG.CH4.WA.MT.CE.AR5
    - EN.GHG.CO2.AG.MT.CE.AR5
    - EN.GHG.CO2.BU.MT.CE.AR5
    - EN.GHG.CO2.FE.MT.CE.AR5
    - EN.GHG.CO2.IC.MT.CE.AR5
    - EN.GHG.CO2.IP.MT.CE.AR5
    - EN.GHG.CO2.LU.DF.MT.CE.AR5

- EN.GHG.CO2.LU.FL.MT.CE.AR5
- EN.GHG.CO2.LU.MT.CE.AR5
- EN.GHG.CO2.LU.OL.MT.CE.AR5
- EN.GHG.CO2.LU.OS.MT.CE.AR5
- EN.GHG.CO2.PI.MT.CE.AR5
- EN.GHG.CO2.TR.MT.CE.AR5
- EN.GHG.CO2.WA.MT.CE.AR5
- EN.GHG.FGAS.IP.MT.CE.AR5
- EN.GHG.N2O.AG.MT.CE.AR5
- EN.GHG.N2O.BU.MT.CE.AR5
- EN.GHG.N2O.FE.MT.CE.AR5
- EN.GHG.N2O.IC.MT.CE.AR5
- EN.GHG.N2O.IP.MT.CE.AR5
- EN.GHG.N2O.PI.MT.CE.AR5
- EN.GHG.N2O.TR.MT.CE.AR5
- EN.GHG.N2O.WA.MT.CE.AR5
- \emissions\historical\_ghg-emissions\_cw\_pik.csv
  - Source: PRIMAP-hist data (Gütschow, Pflüger and Busch, 2024):  
<https://primap.org/primap-hist/2024>  
[HISTCR EARTH KYOTOGHG \(AR4GWP100\) Mt.csv](#)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Historical emissions data
  - Files created in processed folders: emissions\_historical\_pik
- \energy\eia\_energy.csv (to confirm)
  - Source: EIA Open Data Portal: <https://www.eia.gov/tools/Instructions>: After accessing the link, open the “International data” portal. Open “Data” and “Total energy production”. Download to obtain the data used for the report (rename to eia\_energy.csv).
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Energy consumption data
  - Files created in processed folders: energy.dta
- \ngfs\_projections\ngfs\_downscale\_emissions ; ngfs\_global\_emissions; ngfs\_global\_temp; ngfs\_rm\_downscale\_gdppop ; ngfs\_rm\_global\_gdppop ; ngfs\_downscale\_electricity ; ngfs\_downscale\_primenergy
  - Source: IIASA-NGFS, NGFS Phase 4 Scenario Explorer:  
<https://data.ene.iiasa.ac.at/ngfs/#/workspaces>
  - Instructions to download. On the IIASA-NGFS website, create an account and open a workspace using the “+” button on the top right and selecting “Add timeseries panel”:
    - ngfs\_downscale\_emissions:
      - Under “Select Scenario” and “Select from list” choose all available scenarios for “Downscaling[MESSAGEix-GLOBIOM 1.1-M-R12]”,

“Downscaling[REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (95th-high)]”, “Downscaling[REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)]” and “Downscaling[GCAM 6.0 NGFS]”

- Under “Regions” choose “Select all”-> “Countries”
- Under “Data selection” choose “Emissions| Kyoto Gases (incl. indirect LULUCF)”
- Download data
- ngfs\_global\_emissions:
  - Under “Select Scenario” and “Select from list” choose all available scenarios for “GCAM 6.0 NGF”, “MESSAGEix-GLOBIOM 1.1-M-R12”, “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (95th-high)” and “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)”
  - Under “Regions” choose “Global”-> “World”
  - Under “Data selection” choose “Emissions| Kyoto Gases”
  - Download data
- ngfs\_global\_temp:
  - Under “Select Scenario” and “Select from list” choose all available scenarios for “GCAM 6.0 NGF”, “MESSAGEix-GLOBIOM 1.1-M-R12”, “REMIND-MAgPIE 3.2-4.6”, “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (95th-high)” and “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)”
  - Under “Regions” choose “Global”-> “World”
  - Under “Data selection” choose “AR6 climate diagnostics| Surface Temperature (GSAT)| MAGICCv7.5.3| 50.0th Percentile”
  - Download data
- ngfs\_rm\_downscale\_gdppop:
  - Under “Select Scenario” and “Select from list” choose all available scenarios for “Downscaling[REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (95th-high)]” and “Downscaling[REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)]”
  - Under “Regions” choose “Select all”-> “Countries”
  - Under “Data selection” choose “GDP| PPP| including high chronic physical risk damage estimate”, “GDP| PPP| including medium chronic physical risk damage estimate” and “Population”
  - Download data
- ngfs\_global\_gdppop:
  - Under “Select Scenario” and “Select from list” choose all available scenarios for “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (95th-high)” and “REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)”
  - Under “Regions” choose “Global”-> “World”

- Under “Data selection” choose “GDP|PPP|including high chronic physical risk damage estimate”, “GDP|PPP|including medium chronic physical risk damage estimate” and “Population”
  - Download data
- ngfs\_downscale\_electricity:
  - Under “Select Scenario” and “Select from list” choose “Net Zero 2050” scenario for “Downscaling[REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)]”
  - Under “Regions” choose “Select all”-> “Countries”
  - Under “Data selection” choose “Secondary Energy|Electricity|Oil”, “Secondary Energy|Electricity|Nuclear”, “Secondary Energy|Electricity|Geothermal”, “Secondary Energy|Electricity|Wind”, “Secondary Energy|Electricity|Solar”, “Secondary Energy|Electricity|Coal”, “Secondary Energy|Electricity|Hydro”, “Secondary Energy|Electricity|Gas”, “Secondary Energy|Electricity|Biomass”
  - Download data
- ngfs\_downscale\_primenergy:
  - Under “Select Scenario” and “Select from list” choose “Net Zero 2050” scenario for “Downscaling[REMIND-MAgPIE 3.2-4.6 IntegratedPhysicalDamages (median)]”
  - Under “Regions” choose “Select all”-> “Countries”
  - Under “Data selection” choose “Primary Energy|Oil”, “Primary Energy|Nuclear”, “Primary Energy|Geothermal”, “Primary Energy|Wind”, “Primary Energy|Solar”, “Primary Energy|Coal”, “Primary Energy|Hydro”, “Primary Energy|Gas”, “Primary Energy|Biomass” , “Primary Energy|Fossil”
  - Download data
- Access year: 2024
- Availability: All data are publicly available after creating an account
- Description: Emission, GDP, temperature and population projection data under various NGFS scenarios
- Note: Constant annual growth in GDP and population within 5-year intervals assumed
- Files created in processed folders: edgar\_ngfs\_country\_projections, edgar\_ngfs\_projections, ngfs\_temp\_projections, ngfs\_electricity\_projections, ngfs\_primenergy\_projections
- \other\emdat.xlsx
  - Source: EM-DAT - International Disasters Database: <https://public.emdat.be/>
  - Instructions: To download the file, go to the link provided and register. Once registered, select “Access data”. Under Classification choose “Climatological”, “Hydrological”, “Geophysical”, and “Meteorological” under “Natural”. Toggle “Include Historical events (pre-2000).”, and select time period from 1970 to 2024. Select all

available regions. Download the data, then rename the file to emdat.xlsx and save it in the designated folder.

- Access year: 2024
  - Availability: All data are publicly available after creating an account
  - Description: Occurrence of extreme weather events
  - Chapters: Chapter 3
  - Files created in processed folders: extreme\_events.dta
- \other\FAOSTAT\_data\_en\_8-5-2024.xlsx
  - Source: FAOSTAT <https://www.fao.org/faostat/en/#data/SDGB>
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Contains data on Prevalence of undernourishment, Prevalence of moderate or severe food insecurity in the total population, and Percentage of children under 5 years of age who are stunted
  - Chapters: Chapter 3
  - Files created in processed folders: fao\_data.dta
- \other\gdp\_wdi.dta
  - Source: World Development Indicators, variable: NY.GDP.MKTP.KD
  - Code: wbopendata, indicator(NY.GDP.MKTP.KD) long clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: GDP (constant 2015 US\$)
  - Files created in processed folder: gdp.dta
- \other\wollburgetal2023.xlsx
  - Source: Wollburg et al. (2023): <https://www.nature.com/articles/s41586-023-06679-0#MOESM5> , Figure 2 and Figure 3
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Estimates of additional emission intensities under poverty reduction scenarios
  - Files created in processed folders: wollburg\_global, wollburg\_scenarios
- \other\gmst\_changes\_model\_and\_obs
  - Source: IPCC (2021) <https://ipcc-browser.ipcc-data.org/browser/dataset/152/0>
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global temperature history estimates
  - Chapters: Overview, Chapter 3
  - Files created in processed folders: ngfs\_temp\_projections
- \vulnerability\Exp\_vul\_rai\_2021\_raw.dta
  - Source: <https://reproducibility.worldbank.org/index.php/catalog/186/>
  - Access year: 2024
  - Availability: Data is for World Bank internal use only.
  - Description: Population exposed, vulnerable and at high risk from climate-related hazards, on the country level.



- Files created in processed folders: exposure\_vulnerability\_2021
- Note: No modification to raw data has been made.
- \vulnerability\pov\_vul6a\_climate\_data\_2010; \pov\_vul6a\_climate\_data\_2019
  - Source: Doan et al. (2023):  
<https://documents.worldbank.org/en/publication/documents-reports/documentdetail/099602511292336760/idu07639ca570f3cb048db09bf60fc2cc82df22d> (data received from authors)
  - Access year: 2024
  - Availability: Data is in the paper, but data files are not publicly available. Cannot be shared publicly.
  - Description: Estimates of exposure, vulnerability and risk from climate-related hazards for 2010 and 2019
  - Files created in processed folder: exposure\_vulnerability\_incg\_panel.
  - Note: No modification to raw data has been made.

#### *b. processed*

- \pop.dta
  - Source: Poverty and Inequality Platform (version September 2024)
  - Code: pip tables, clear table(pop) version(20240627\_2017\_01\_02\_PROD)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global population numbers (sourced from SP.POP.TOTL from WDI)
- \wash\_data.dta
  - Source: World Development Indicators (UNICEF-WHO Joint Monitoring Program)
  - Variables: SH.H2O.BASW.ZS; SH.H2O.SMDW.ZS; SH.STA.BASS.ZS; SH.STA.HYGN.ZS
  - Code: wbopendata, indicator(SH.H2O.BASW.ZS; SH.H2O.SMDW.ZS; SH.STA.BASS.ZS; SH.STA.HYGN.ZS; SP.POP.TOTL) year(2022) long clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Data on access to safe water and sanitation
- \wash\_ruralurban\_data.dta
  - Source: World Development Indicators (UNICEF-WHO Joint Monitoring Program)
  - Variables: SH.H2O.BASW.RU.ZS, SH.H2O.BASW.UR.ZS
  - Code: wbopendata, indicator(SH.H2O.BASW.UR.ZS; SH.H2O.BASW.RU.ZS; SP.POP.TOTL) year(2022) long clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Data on access to safe water in urban and rural areas

## 6. Chapter 4

### *a. raw*

- \classifications\CLASS.dta
  - Source: <https://github.com/GPID-WB/Class/tree/master/OutputData>

- Access year: 2024
  - Availability: All data are publicly available
  - Description: Contains country classifications
  - Files created in processed folder: countrycodes\_yearly.dta, countrycodes\_curent.dta
  - Note: No modifications have been made. Whole dataset has been downloaded.
- \pip\pip\_data\_survey\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024): <https://pip.worldbank.org/>
  - Code: pip, povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Survey PIP data, pip\_data\_last\_survey\_202209 contains only the latest survey
  - Files created in processed folders: poverty\_country\_survey.dta, gini\_intermediate\_latest, gini\_intermediate\_all
- \pip\pip\_data\_lineup\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024): <https://pip.worldbank.org/>
  - Code: pip, nowcasts povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Lined-up PIP data
  - Files created in processed folders: poverty\_country\_lineup.dta
- \pip\pip\_data\_aggregate\_202408.dta
  - Source: Poverty and Inequality Platform (version September 2024): <https://pip.worldbank.org/>
  - Code: pip wb, nowcasts povline(2.15 3.65 6.85 25) version(20240627\_2017\_01\_02\_PROD) clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Lined-up PIP data
  - Files created in processed folder: poverty\_aggregates.dta
- \pfw\_v11.dta
  - Source: Poverty and Inequality Platform (PIP): [https://github.com/PIP-Technical-Team/aux\\_pfw/blob/DEV/pfw.dta](https://github.com/PIP-Technical-Team/aux_pfw/blob/DEV/pfw.dta)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: List of surveys in PIP
  - Files created in processed folder: gini\_intermediate\_latest, gini\_intermediate\_all
  - Note: Data has not been modified.
- \FY25 small states etc.xlsx
  - Source: World Bank list of small states

- Access year: 2024
- Availability: Not yet publicly available
- Description: Used to calculate coverage ratios
- Note: No modifications have been made
- \ODIN23.xlsx
  - Source: Open Data Watch, 2023; <https://odin.opendatawatch.com/>
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Data openness index
  - Chapters: Chapter 4
  - Files created in processed folder: odin\_data.dta
- \WID\_Data\_10072024-172952.xlsx
  - Source: World Inequality Database, <https://wid.world/data>
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Inequality measures adjusted for top-incomes
  - Chapters: Chapter 4
  - Files created in processed folder: wid\_all.dta, wid\_top.dta
- \ssp\_global\_gdp\_pop.xlsx
  - Source: IIASA SSP Scenario Explorer 3.1.0, <https://data.ece.iiasa.ac.at/ssp/>
  - Access year: 2024
  - Instructions to download: Select IIASA GDP 2023, IIASA-WiC POP 2023 and OECD ENV-Growth 2023 as models, GDP (PPP), Population as variables, and World as Region.
  - Availability: All data are publicly available after creating an account
  - Description: GDP projections under different SSP scenarios
  - Chapters: Chapter 4
  - Files created in processed folder: ssp\_data.dta

*b. processed*

- \countrylist.dta
  - Source: Poverty and Inequality Platform (PIP): <https://pip.worldbank.org/>
  - Code: pip tables, table(country\_list) version(20240627\_2017\_01\_02\_PROD)  
clear
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: List of surveys in PIP, available through Stata: pip tables,  
table(country\_list) clear
- \pop.dta
  - Source: Poverty and Inequality Platform (version September 2024)
  - Code: pip tables, clear table(pop) version(20240627\_2017\_01\_02\_PROD)
  - Access year: 2024
  - Availability: All data are publicly available
  - Description: Global population numbers (sourced from SP.POP.TOTL from WDI)
- \pop\_reportinglevel.dta

- Source: Poverty and Inequality Platform (version September 2024)
- Code: pip tables, clear table(pop) version(20240627\_2017\_01\_02\_PROD)
- Access year: 2024
- Availability: All data are publicly available
- Description: Global population numbers (sourced from SP.POP.TOTL from WDI)

## Instructions for Replicators

- Update the PPPR24\_master.do with your directory paths
- The file installs necessary packages. However, the ado file is included in the package, so the packages don't need to be installed and they are there for documentation only.
- Switch the *global internal* to 0 for external version.
- Run the PPPR24\_master.do file.
- Each chapter can be run individually, by updating directory paths in the respective chapter master file (e.g. \Chapter 1\0-code\ch1\_0\_master.do).

## Structure:

- Each chapter folder consists of three sub-folders: 0-code, 1-data, 2-output. The 1-data folder consists of a "raw" (data to be processed, internal), and a "processed" (data that has been processed, external) folder
- In do-files, the prefix "1\_" refers to files that load and clean raw data (e.g. "\Chapter 1\0-code\ch1\_1b\_povertydata")
  - These are only accessible in the World Bank internal replication package
- The prefix "2\_" refers to files that generate figures and tables for the respective chapters (e.g. "\Chapter 1\0-code\ch1\_2\_fig1\_globalpoverty")

## List of Exhibits

This following is a list of all figures for each chapter of the report.

There is one Excel file per chapter, which contains the data to create figures in different sheets. Figures created in Stata stored as .png and .eps files. The data to replicate these figures are also saved in the Excel file.

The Excel file and figure files are stored in each chapter's "\2-output" folder.

## Main Messages

**Abbreviations:** Poverty and Inequality Platform (PIP), Global Economic Prospects (GEP), Macro and Poverty Outlooks (MPO), World Economic Outlook (WEO), World Development Indicators (WDI)

| Figure Title | File         | Sheet  | Code                               | Data                               |
|--------------|--------------|--------|------------------------------------|------------------------------------|
| Figure M.1a  | summary.xlsx | fig1ab | summary_2_fig1a<br>b_globalpoverty | PIP                                |
| Figure M.1b  | summary.xlsx | fig1ab | summary_2_fig1a<br>b_globalpoverty | Projections: GEP,<br>MPO, WEO, WDI |
| Figure M.2a  | summary.xlsx | fig2a  | summary_2_fig2a<br>_pgdecomp.do    | PIP                                |

|             |              |       |                               |                                     |
|-------------|--------------|-------|-------------------------------|-------------------------------------|
| Figure M.2b | summary.xlsx | fig2b | summary_2_fig2b_gini          | PIP                                 |
| Figure M.3a | summary.xlsx | fig3a | summary_2_fig3a_emissions     | EDGAR and Grassi et al. (2023)      |
| Figure M.3b | summary.xlsx | fig3b | summary_2_fig3b_idariskchange | Doan et al. (2023)                  |
| Figure M.4  | summary.xlsx | fig4  | summary_2_fig4_priorities     | WDI, EDGAR and Grassi et al. (2023) |

## Overview

**Abbreviations:** Poverty and Inequality Platform (PIP), Global Economic Prospects (GEP), Macro and Poverty Outlooks (MPO), World Economic Outlook (WEO), World Development Indicators (WDI),

| Figure Title  | File               | Sheet     | Code                               | Data                                    |
|---|--------------------|-----------|------------------------------------|---|
| Figure O.1a,b   | overview.xlsx      | fig1      | overview_2_fig1_globalpoverty      | PIP;<br>Projections: GEP, MPO, WEO, WDI |
| Figure O.2a<br><b>ADDENDUM:</b><br>Column I in this file was updated on 12/17/2024. | overview.xlsx      | fig2 2.15 | overview_2_fig2_povprojections     | PIP;<br>Projections: GEP, MPO, WEO, WDI |
| Figure O.2b<br><b>ADDENDUM:</b><br>Column I in this file was updated on 12/17/2024. | overview.xlsx      | fig2 6.85 | overview_2_fig2_povprojections     | PIP;<br>Projections: GEP, MPO, WEO, WDI |
| Figure O.3a   | overview.xlsx      | fig3 3.15 | overview_2_fig3_pandemic           | PIP                                     |
| Figure O.3b   | overview.xlsx      | fig3 6.85 | overview_2_fig3_pandemic           | PIP                                     |
| Figure O.4a   | overview.xlsx      | fig4a     | overview_2_fig4a_globalpg.do       | PIP                                     |
| Figure O.4b   | overview.xlsx      | fig4b     | overview_2_fig4b_pgpopshare        | PIP                                     |
| Figure O.5  | overview.xlsx      | fig5      | overview_2_fig5_pgdecomp           | PIP                                     |
| Map O.1   | overview_map1.pdf  | map1      | overview_2_map1_ginimap            | PIP                                     |
| Figure O.6a   | overview.xlsx      | fig6      | overview_2_fig6_ginigroups         | PIP                                     |
| Figure O.6b   | overview.xlsx      | fig6      | overview_2_fig6_ginigroups         | PIP                                     |
| Figure O.7a   | overview_fig7a.eps |           | overview_2_fig7_incomedistribution | PIP                                     |

|                |                        |        |   |   |
|----------------|------------------------|--------|---|---|
| Figure O.7b    | overview_fig7b.ep<br>s |        | overview_2_fig7_i<br>ncomedistribution          | PIP   |
| Map O.2        | overview_map2.p<br>df  |        | overview_2_map<br>2_popexposedrisk              | Risk data from<br>World Bank<br>Scorecard   |
| Figure O.8     | overview.xlsx          | fig8   | overview_2_fig8_<br>socialprotectionfi<br>nance | Risk data from<br>World Bank<br>Scorecard   |
| Figure O.9a    | overview_fig9a.ep<br>s | fig9a  | overview_2_fig9_<br>projections                 | IIASA NGFS portal:<br><a href="https://data.ene.iiasa.ac.at/ngfs/#/workspaces">https://data.ene.iiasa.ac.at/ngfs/#/workspaces</a> |
| Figure O.9b    | overview_fig9b.ep<br>s | fig9b  | overview_2_fig9_<br>projections                 | IIASA NGFS portal:<br><a href="https://data.ene.iiasa.ac.at/ngfs/#/workspaces">https://data.ene.iiasa.ac.at/ngfs/#/workspaces</a> |
| Figure O.10    | overview.xlsx          | fig10  | overview_2_fig10_<br>_addmissions               | <a href="#">Wollburg et al. (2023)</a> Figure 2   |
| Figure O.11a,b | overview.xlsx          | fig11  | overview_2_fig11_<br>_addscenarios              | <a href="#">Wollburg et al. (2023)</a> Figure 3   |
| Figure O.12    | overview.xlsx          | fig12  | overview_2_fig12_<br>_priorities                | WDI, EDGAR and<br>Grassi et al.<br>(2023)   |
| Figure O.13    | overview_fig13.ep<br>s | fig13  | overview_2_fig13_<br>_fcs                       | PIP   |
| Figure O.14a   | overview.xlsx          | fig14a | overview_2_fig14<br>a_mpm                       | Global Monitoring<br>Database   |
| Figure O.14b   | overview.xlsx          | fig14b | overview_2_fig14<br>b_idariskchange             | Doan et al. (2023)  |
| Figure O.15a   | overview.xlsx          | fig15a | overview_2_fig15_<br>_emissionsincome           | EDGAR and Grassi<br>et al. (2023), WDI  |
| Figure O.15b   | overview.xlsx          | fig15b | overview_2_fig15_<br>_emissionsincome           | EDGAR and Grassi<br>et al. (2023), WDI  |
| Figure O.15c   | overview.xlsx          | fig15c | overview_2_fig15_<br>_emissionsincome           | PRIMAP-hist data<br>(Gütschow,<br>Pflüger and<br>Busch, 2024)   |

## Chapter 1

**Abbreviations:** Poverty and Inequality Platform (PIP), Global Economic Prospects (GEP), Macro and Poverty Outlooks (MPO), World Economic Outlook (WEO), World Development Indicators (WDI), Global Atlas of Subnational Poverty (GSAP)

| Figure Title  | File          | Sheet | Code                         | Data source |
|---------------|---------------|-------|------------------------------|-------------|
| Figure 1.1a,b | chapter1.xlsx | fig1  | ch1_2_fig1_global<br>poverty | PIP;        |

|   |                    |            |                                |   |
|---|--------------------|------------|--------------------------------|---|
|   |                    |            |                                | Projections: GEP, MPO, WEO, WDI         |
| Figure B1.1.1a,b  | chapter1.xlsx      | figB1.1.1  | ch1_2_figB1.1.1_popcomposition | PIP                                     |
| Figure B1.2.1a  | ch1_figB1.2.1a.eps | figB1.2.1a | ch1_2_figB1.2.1_coverage_2020  | PIP                                     |
| Figure B1.2.1b  | ch1_figB1.2.1b.eps | figB1.2.1b | ch1_2_figB1.2.1_coverage_2020  | PIP                                     |
| Figure 1.2a   | chapter1.xlsx      | fig2 2.15  | ch1_2_fig2_pandemic            | PIP                                     |
| Figure 1.2b   | chapter1.xlsx      | fig2 6.85  | ch1_2_fig2_pandemic            | PIP                                     |
| Figure 1.3a<br><b>ADDENDUM:</b><br>Column I in this file was updated on 12/17/2024. | chapter1.xlsx      | fig3 2.15  | ch1_2_fig3_projections         | PIP;<br>Projections: GEP, MPO, WEO, WDI |
| Figure 1.3b<br><b>ADDENDUM:</b><br>Column I in this file was updated on 12/17/2024. | chapter1.xlsx      | fig3 6.85  | ch1_2_fig3_projections         | PIP;<br>Projections: GEP, MPO, WEO, WDI |
| Figure 1.4a   | chapter1.xlsx      | fig4 2.15  | ch1_2_fig4_count<br>ry         | PIP                                     |
| Figure 1.4b   | chapter1.xlsx      | fig4 3.65  | ch1_2_fig4_count<br>ry         | PIP                                     |
| Figure 1.4c   | chapter1.xlsx      | fig4 6.85  | ch1_2_fig4_count<br>ry         | PIP                                     |
| Figure 1.5a   | chapter1.xlsx      | fig5 2.15  | ch1_2_fig5_regio<br>n          | PIP;<br>Projections: GEP, MPO, WEO, WDI |
| Figure 1.5b   | chapter1.xlsx      | fig5 6.85  | ch1_2_fig5_regio<br>n          | PIP;<br>Projections: GEP, MPO, WEO, WDI |
| Figure 1.6a   | ch1_fig6 215.eps   | fig6 215   | ch1_2_fig6_fcs                 | PIP;<br>Projections: GEP, MPO, WEO, WDI |
| Figure 1.6b   | ch1_fig6 685.eps   | fig6 685   | ch1_2_fig6_fcs                 | PIP;<br>Projections: GEP, MPO, WEO, WDI |
| Figure 1.7a   | chapter1.xlsx      | fig7ab 215 | ch1_2_fig7_regio<br>nhist      | PIP                                     |
| Figure 1.7b   | chapter1.xlsx      | fig7ab 685 | ch1_2_fig7_regio<br>nhist      | PIP                                     |
| Figure 1.7c   | chapter1.xlsx      | fig7cd 215 | ch1_2_fig7_regio<br>nhist      | PIP                                     |

|               |   |            |   |  |
|---------------|---|------------|---|--|
| Figure 1.7d   | chapter1.xlsx                                   | fig7cd 685 | ch1_2_fig7_regio<br>nhist                       | PIP  |
| Figure 1.8    | ch1_fig8_economi<br>c_growth.eps                | fig8       | ch1_fig8_economi<br>c_growth                    | PIP  |
| Figure B1.4.1 | ch1_figB1.4.1_po<br>verty_trends.eps            | figB1.4.1  | ch1_2_figB1.4.1_s<br>ocietal_poverty            | PIP  |
| Figure B1.4.2 | ch1_figB1.4.2_sha<br>re_poor.eps                | figB1.4.2  | ch1_2_figB1.4.2_s<br>hare_poor                  | PIP  |
| Figure 1.9a   | ch1_fig9a.eps                                   | fig9a      | ch1_2_fig9_incom<br>edistribution               | PIP  |
| Figure 1.9b   | ch1_fig9b.eps                                   | fig9b      | ch1_2_fig9_incom<br>edistribution               | PIP  |
| Figure 1.10a  | chapter1.xlsx                                   | fig10a     | ch1_2_fig10_poor<br>_location                   | Global Monitoring<br>Database              |
| Figure 1.10b  | chapter1.xlsx                                   | fig10b     | ch1_2_fig10_poor<br>_location                   | Global Monitoring<br>Database              |
| Figure 1.10c  | ch1_fig10c.eps                                  | fig10c     | ch1_2_fig10_poor<br>_location                   | Global Monitoring<br>Database              |
| Figure 1.10d  | ch1_fig10d.eps                                  | fig10d     | ch1_2_fig10_poor<br>_location                   | Global Monitoring<br>Database              |
| Figure 1.11   | ch1_fig11.eps                                   | fig11      | ch1_2_fig11_subn<br>ational                     | GSAP                                       |
| Figure 1.12a  | ch1_fig12a.eps                                  | fig12a     | ch1_2_fig12_poor<br>_schooling                  | Global Monitoring<br>Database              |
| Figure 1.12b  | ch1_fig12b.eps                                  | fig12b     | ch1_2_fig12_poor<br>_schooling                  | Global Monitoring<br>Database              |
| Figure 1.13a  | ch1_fig13a.eps                                  | fig13a     | ch1_2_fig13_poor<br>_age                        | Global Monitoring<br>Database              |
| Figure 1.13b  | ch1_fig13b.eps                                  | fig13b     | ch1_2_fig13_poor<br>_age                        | Global Monitoring<br>Database              |
| Figure 1.14   | chapter1.xlsx                                   | fig14      | ch1_2_fig14_mp<br>mpoorest                      | Global Monitoring<br>Database              |
| Figure 1.15   | ch1_fig15_mpm_s<br>catterplot.eps               | fig15      | ch1_2_fig15_mp<br>m_scatterplot                 | Global Monitoring<br>Database              |
| Figure 1B1    | ch1_fig1b1.eps                                  | fig1b1     | ch1_2_annex_fig1<br>b1_poverty_covid<br>.do     | PIP  |
| Figure 1C1    | ch1_fig1c1_Global<br>Poverty_India_Sce<br>nario | fig1c1     | ch1_2_annex_fig1<br>c1_global_poverty<br>_India | PIP; Projections:<br>GEP, MPO, WEO,<br>WDI |
| Table 1.1     | chapter1.xlsx                                   | tab 1      | ch1_2_tab1_mpm<br>_table                        | Global Monitoring<br>Database              |
| Table 1.1D1   | chapter1.xlsx                                   | tab 1d1    | ch1_2_annex_1d<br>poverty_estimate<br>s         | PIP  |



|             |               |         |                                  |     |
|-------------|---------------|---------|----------------------------------|-----|
| Table 1.1D2 | chapter1.xlsx | tab 1d2 | ch1_2_annex_1d_poverty_estimates | PIP |
| Table 1.1D3 | chapter1.xlsx | tab 1d3 | ch1_2_annex_1d_poverty_estimates | PIP |

## Chapter 2

**Abbreviations:** Poverty and Inequality Platform (PIP)

| Figure Title | File                       | Sheet        | Code                                     | Data Source             |
|--------------|----------------------------|--------------|--|-------------------------|
| Figure 2.1a  | Chapter2_data.xlsx         | Fig1         | ch2_2.1_prosperitygap_2024               | PIP                     |
| Figure 2.1b  | Chapter2_data.xlsx         | Fig1         | ch2_2.1_prosperitygap_2024               | PIP                     |
| Figure 2.2   | Chapter2_data.xlsx         | Fig2         | ch2_2.2_pg_trends_2019_2024              | PIP                     |
| Figure 2.3   | Chapter2_data.xlsx         | Fig3         | ch2_2.3_GPG_global_trend                 | PIP                     |
| Figure 2.4a  | Chapter2_data.xlsx         | Fig4         | ch2_2.4_prosperitygap_1990_2024          | PIP                     |
| Figure 2.5   | Chapter2_data.xlsx         | Fig5         | ch2_2.5_gpg_dec_o_mean_inequality        | PIP                     |
| Figure 2.6   | Fig6_inequalityPenalty.eps | Fig6         | ch2_2.6_inequality_penalty_benchmarked   | PIP                     |
| Figure 2.7   | Fig7_umic_years.eps        | Fig7         | ch2_2.7_years_needed_to_reach_prosperity | PIP                     |
| Map 2.1      | Fig8_GiniMap_cleared.pdf   | Map1         | ch2_2_map2.1_gini_map_data_latestyear    | PIP, Haddad et al. 2024 |
| Figure 2.8   | Chapter2_data.xlsx         | Fig8         | ch2_2.8_highgini_fcv_incgroup_latestyear | PIP                     |
| Figure 2.9a  | Fig9a.eps                  | Fig9a, Fig9b | ch2_2.9_high_inequality_trend            | PIP, Haddad et al. 2024 |
| Figure 2.9b  | Fig9b.eps                  | Fig9a, Fig9b | ch2_2.9_high_inequality_trend            | PIP, Haddad et al. 2024 |
| Figure 2.10  | Chapter2_data.xlsx         | Fig10        | ch2_2.10_gini_threshold_robustness       | PIP                     |
| Figure 2.11  | Fig11_sankey.eps           | Fig11        | ch2_2.11_gini_changes_sankey             | PIP                     |

|              |   |             |   |   |
|--------------|---|-------------|---|---|
| Figure 2.12  | Fig12_gini_correlation.eps  | Fig12       | ch2_2.12_gini_ChangeGini_scatterplot              | PIP, Haddad et al. 2024                                     |
| Figure 2.13  | Fig13_AvgGini_period_evolution.eps                                | Fig13       | ch2_2.13_inequality_5y_typical_country            | PIP   |
| Figure 2.14  | Fig14_covid_Gini_correlation_comparable.eps                       | Fig14       | ch2_2.14_gini_changes_pre_post_covid              | PIP   |
| Figure 2.15  | Chapter2_data.xlsx  | Fig15       | ch2_2.15_market_disposable                        | Wai-Poi, Sosa, and Bachas (forthcoming) and Lustig (2023)   |
| Figure 2A.1a | Fig2A1_Growth in b40 and growth in pg.eps                         | FigAnnex2A1 | ch2_2A.1_comparing_growth_in_b40_and_growth_in_pg | PIP and Global Database of Shared Prosperity (13th edition) |
| Figure 2A.1b | Fig2A2_SPP v gini change.eps                                      | FigAnnex2A2 | ch2_2A.1_comparing_growth_in_b40_and_growth_in_pg | PIP and Global Database of Shared Prosperity (13th edition) |
| Figure 2C.1  | Fig2C1_pg_bottomcode.eps  | FigAnnex2C1 | ch2_2C.1_pg_bottomcode_correlation                | Kraay et al. 2024   |
| Figure 2D.1  | Fig2D1_income_consumption_gini_corr.eps                           | FigAnnex2D1 | ch2_2D.1_income_consumption_gini_corr             | PIP   |
| Figure 2F.1  | Fig2F1_Share of countries and population by inequality groups.eps | FigAnnex2F1 | 2F.1_inequalityshare_number_v_population          | PIP, Haddad et al. 2024                                     |
| Table 2.1    | Chapter2_data.xlsx  | Tab1        | ch2_tab_2.1_pg_decomp                             | PIP   |
| Table 2D.1   | Chapter2_data.xlsx  |             | ch2_tab2D.1_gini_stat                             | PIP   |
| Table 2E.1   | Chapter2_data.xlsx  | Tab2E.1     | ch2_tab2E.1_pg_estimates_region                   | PIP   |
| Table 2F.1   | Chapter2_data.xlsx  | Tab2F.1     | ch2_tab2F.1_latest_gini_list                      | PIP   |

## Chapter 3

**Abbreviations:** World Development Indicators (WDI), U.S. Energy Information Agency (EIA)

| Figure Title | File                  | Sheet | Code | Data source |
|--------------|-----------------------|-------|------|-------------|
| Figure 3.1   | Authors' illustration |       |      |             |

|                |               |            |  |  |
|----------------|---------------|------------|--|--|
| Figure 3.2     | ch3_fig2.pdf  |            |  | IPCC 2023a   |
| Figure 3.3     | ch3_fig3.eps  | fig3       | ch3_2_fig3_exposu<br>re.do             | Risk data from<br>World Bank<br>Scorecard  |
| Map 3.1        | ch3_map1.pdf  | map1       | ch3_2_map1_pope<br>xposedrisk          | Risk data from<br>World Bank<br>Scorecard  |
| Figure 3.4     | chapter3.xlsx | fig4       | ch3_2_fig4_scatter<br>exposedrisk      | WDI, Risk data<br>from World Bank<br>Scorecard   |
| Figure b3.2.1a | chapter3.xlsx | figb3.2.1a | ch3_2_figb3.2.1a_i<br>darisk           | Risk data from<br>World Bank<br>Scorecard  |
| Figure b3.2.1b | chapter3.xlsx | figb3.2.1b | ch3_2_figb3.2.1b_i<br>dariskchange     | Doan et al.<br>(2023)  |
| Figure 3.5     | chapter3.xlsx | fig5       | ch3_2_fig5_extrem<br>eevents           | EM-DAT -<br>International<br>Disasters<br>Database   |
| Figure 3.6a    | chapter3.xlsx | fig6a      | ch3_2_fig6_emissi<br>ons               | EDGAR and<br>Grassi et al.<br>(2023)   |
| Figure 3.6b    | chapter3.xlsx | fig6b      | ch3_2_fig6_emissi<br>ons               | EDGAR and<br>Grassi et al.<br>(2023)   |
| Figure 3.6c    | chapter3.xlsx | fig6c      | ch3_2_fig6_emissi<br>ons               | WDI, EDGAR and<br>Grassi et al.<br>(2023)  |
| Figure 3.6d    | chapter3.xlsx | fig6d      | ch3_2_fig6_emissi<br>ons               | WDI, EDGAR and<br>Grassi et al.<br>(2023)  |
| Figure 3.7     | chapter3.xlsx | fig7       | ch3_2_fig7_socialp<br>rotectionfinance | Risk data from<br>World Bank<br>Scorecard  |
| Figure 3.8a    | ch3_fig8a.eps | fig8a      | ch3_2_fig8_project<br>ions             | IIASA NGFS<br>portal:<br><a href="https://data.ene.iiasa.ac.at/ngfs/#/workspaces">https://data.ene.iiasa.ac.at/ngfs/#/workspaces</a> |
| Figure 3.8b    | ch3_fig8b.eps | fig8b      | ch3_2_fig8_project<br>ions             | IIASA NGFS<br>portal:<br><a href="https://data.ene.iiasa.ac.at/ngfs/#/workspaces">https://data.ene.iiasa.ac.at/ngfs/#/workspaces</a> |
| Figure 3.9a    | chapter3.xlsx | fig9a      | ch3_2_fig9_energy<br>cons              | EIA Open Data<br>Portal:   |

|              |                |          |                                 |   |
|--------------|----------------|----------|---------------------------------|---|
|              |                |          |                                 | <a href="https://www.eia.gov/opendata/">https://www.eia.gov/opendata/</a>   |
| Figure 3.9b  | chapter3.xlsx  | fig9b    | ch3_2_fig9_energy cons          | EIA Open Data Portal:<br><a href="https://www.eia.gov/opendata/">https://www.eia.gov/opendata/</a>                                |
| Figure 3.10  | chapter3.xlsx  | fig10    | ch3_2_fig10_additionalemissions | <a href="#">Wollburg et al. (2023)</a> Figure 2   |
| Figure 3.11a | chapter3.xlsx  | fig11    | ch3_2_fig11_additionalscenarios | <a href="#">Wollburg et al. (2023)</a> Figure 3   |
| Figure 3.11b | chapter3.xlsx  | fig11    | ch3_2_fig11_additionalscenarios | <a href="#">Wollburg et al. (2023)</a> Figure 3   |
| Figure 3.12a | chapter3.xlsx  | fig12a   | ch3_2_fig12_emissionsincome     | EDGAR and Grassi et al. (2023), WDI   |
| Figure 3.12b | chapter3.xlsx  | fig12b   | ch3_2_fig12_emissionsincome     | EDGAR and Grassi et al. (2023), WDI   |
| Figure 3.12c | chapter3.xlsx  | fig12c   | ch3_2_fig12_emissionsincome     | PRIMAP-hist data (Gütschow, Pflüger and Busch, 2024)  |
| Figure 3.13  | chapter3.xlsx  | fig13    | ch3_2_fig13_projectionsincg     | IIASA NGFS portal:<br><a href="https://data.ene.iiasa.ac.at/ngfs/#/workspaces">https://data.ene.iiasa.ac.at/ngfs/#/workspaces</a> |
| Figure 3.14  | chapter3.xlsx  | fig14    | ch3_2_fig14_priorities          | WDI, EDGAR and Grassi et al. (2023)   |
| Figure 3.15a | ch3_fig15a.eps | fig15a   | ch3_2_fig15_energyprojection    | IIASA NGFS portal:<br><a href="https://data.ene.iiasa.ac.at/ngfs/#/workspaces">https://data.ene.iiasa.ac.at/ngfs/#/workspaces</a> |
| Figure 3.15b | ch3_fig15b.eps | fig15b   | ch3_2_fig15_energyprojection    | IIASA NGFS portal:<br><a href="https://data.ene.iiasa.ac.at/ngfs/#/workspaces">https://data.ene.iiasa.ac.at/ngfs/#/workspaces</a> |
| Figure 3A.1a | chapter3.xlsx  | fig3A.1a | ch3_2_fig3A.1_fies              | FAO   |
| Figure 3A.1b | chapter3.xlsx  | fig3A.1b | ch3_2_fig3A.1_fies              | WDI (FAO, WHO, UNICEF)  |
| Figure 3A.1c | chapter3.xlsx  | fig3A.1c | ch3_2_fig3A.1_fies              | FAO   |
| Figure 3C.1a | chapter3.xlsx  | fig3C.1a | ch3_2_fig3C.1_wash              | WDI (UNICEF-WHO Joint   |

|              |                 |          |                          |   |
|--------------|-----------------|----------|--------------------------|---|
|              |                 |          |                          | Monitoring Program)                                 |
| Figure 3C.1b | ch3_fig3C1b.eps | fig3C.1b | ch3_2_fig3C.1_was<br>h   | WDI (UNICEF-<br>WHO Joint<br>Monitoring<br>Program) |
| Figure 3D.1  | chapter3.xlsx   | fig3D.1  | ch3_2_fig3D.1_lulu<br>cf | EDGAR and<br>Grassi et al.<br>(2023)                |

## Chapter 4

| Figure Title | File   | Sheet | Code   | Data source  |
|--------------|--|-------|--|--|
| Figure 4.1   | ch4_fig1_surveys.<br>eps                             | fig1  | ch4_2_fig1_surve<br>ys                             | PIP  |
| Figure 4.2   | ch4_fig2_coveage<br>.eps                             | fig2  | ch4_2_fig2_cover<br>age                            | PIP  |
| Figure 4.3a  | chapter4.xlsx  | fig3a | ch4_2_fig3a  | Open Data Watch,<br>2023   |
| Figure 4.3b  | chapter4.xlsx  | fig3b | ch4_2_fig3b  | Open Data Watch,<br>2023   |
| Figure 4.4a  | ch4_fig4a_income<br>_consumption_gi<br>ni_levels.eps | fig4a | ch4_2_fig4_consu<br>mption_v_income<br>_comparison | PIP, World<br>Inequality<br>Database   |
| Figure 4.4b  | ch4_fig4b_income<br>_consumption_gi<br>ni_change.eps | fig4b | ch4_2_fig4_consu<br>mption_v_income<br>_comparison | PIP, World<br>Inequality<br>Database   |
| Figure 4.5a  | ch4_fig5b_pip_wi<br>d_gini_levels                    | fig5a | ch4_2_fig5_pip_w<br>id_comparisons                 | PIP, World<br>Inequality<br>Database   |
| Figure 4.5b  | ch4_fig5b_pip_wi<br>d_gini_levels                    | fig5b | ch4_2_fig5_pip_w<br>id_comparisons                 | PIP, World<br>Inequality<br>Database   |
| Figure 4.6   | ch4_fig6_pip_wid<br>_gini_difference.p<br>ng         | fig6  | ch4_2_fig6_ttest                                   | PIP, World<br>Inequality<br>Database   |
| Figure 4.7   | chapter4.xlsx  | fig7  | ch4_2_fig7.do                                      | IIASA SSP Portal:<br><a href="https://data.ece.iiasa.ac.at/ssp/#/workspaces">https://data.ece.ii<br/>asa.ac.at/ssp/#/w<br/>orkspaces</a> |

## Software requirements

All files were created using Stata MP 18.

Required packages are already installed in the ado folder and mentioned in the main do-file for documentation: pip, apoverity, egenmore, wbopendata, schemepack, grstyle, palettes, sankey, unique, carryforward, sencode, kountry, colrspace, \_gwtmean.

Correct version of the pip is in the ado folder and the following code was used to download it:

```
capture ssc uninstall pip
```

```
net install github, from("https://haghigh.github.io/github/")
```

```
github install worldbank/pip, version(0.10.9.9001)
```

## Folder Structure

