

Reproducibility Package for *World Development Report 2025: Standards for Development*

This repository contains the **complete reproducibility package** for the *World Development Report 2025 – Standards for Development*.

The package includes:

- All code required to reproduce each exhibit in the report
 - Fully documented datasets (public, downloaded via code, restricted, or primary data)
 - A chapter-by-chapter reproducibility structure
 - Replicators' outputs for verification
 - Instructions for running R, Stata, and hybrid workflows
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Repository Structure

The reproducibility package is organized into **12 independent sub-packages**:

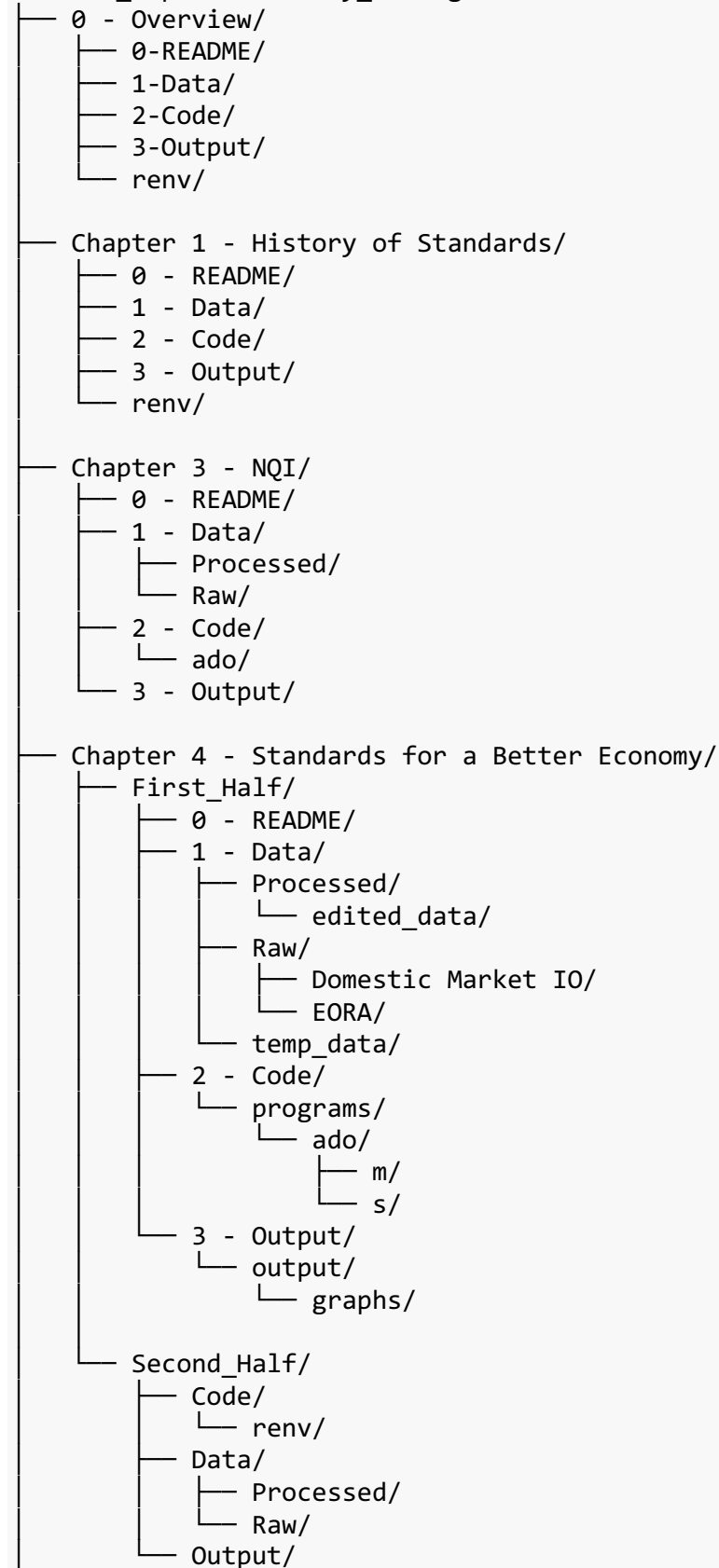
- Overview
- Chapters 1–8
- Spotlights 1–4

Each chapter contains:

- Its own README
- data/ folder
- code/ folder
- results/ folder

Chapters are **self-contained** and reproducible independently.

WDR2025_Reproducibility_Package/



— Chapter 5 - Standards for a Better Human Capital/

- 0 - README/
- 1 - Data/
 - Processed/
 - Raw/
- 2 - Code/
 - renv/
- 3 - Output/

— Chapter 6 - Standards for a Better Environment/

- 0 - README/
- 1 - Data/
 - 1-data-raw/
 - 2-data-processed/
- 2 - Code/
 - fig6.1/
 - fig6.6a/
 - fig6.6b/
 - renv/
- 3 - Output/

— Chapter 7 - Standards for a Better Governance/

- 0 - README/
- figs/
 - replication/
- renv/

— Chapter 8 - Recommendations/

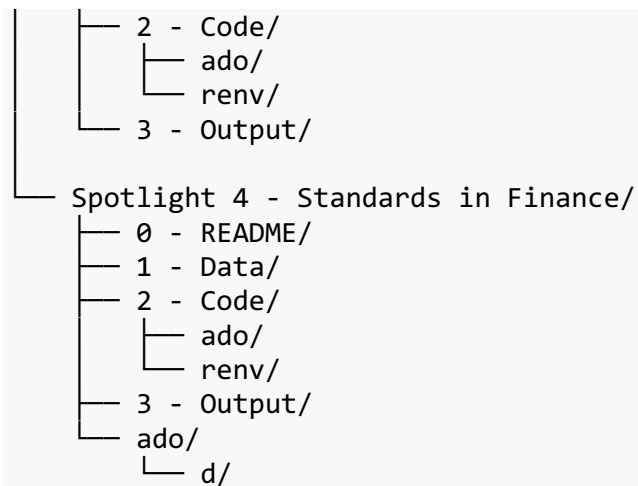
- 0 - README/
- 1 - Data/
- 2 - Code/
 - renv/
- 3 - Output/

— Spotlight 2 - International SDOs/

- 0 - README/
- 1 - Data/
 - Processed/
 - Raw/
- 2 - Code/
 - ado/
 - renv/
- 3 - Output/

— Spotlight 3 - NSBs/

- 0 - README/
- 1 - Data/
 - Processed/
 - Raw/



How to Reproduce the Results

1. R-Based Chapters

Chapters using R: Overview, Chapter 1, Chapter 4 (second half), Chapter 5, Chapter 6, Chapter 7, Chapter 8.

Steps:

```
renv::restore()
```

Then run scripts as directed in the chapter README.

2. Stata-Based Chapters

Chapters using Stata: Chapter 3, Chapter 4 (first half)

Steps:

1. Open the chapter's **main do-file**
 2. Update the **top-level path**
 3. Run the script
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3. Chapters Using Both R & Stata

Spotlights 2, 3, 4 require both R and Stata.

Steps:

1. Run Stata code
 2. Open .Rproj
 3. Run `renv::restore()`
 4. Execute R scripts
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DATA AVAILABILITY STATEMENT

This report uses **public**, **acesible**, **restricted**, and **public and forthcoming** datasets.

- Public datasets are included or downloaded by code
 - Restricted datasets are not included; outputs from replicators are provided
 - Primary data collected by authors are included and will be archived in the World Bank Microdata Library
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COMPLETE DATASET LIST

See more details in the especific chapter readme file.

Dataset Name	Source	URL	File Name(s) in Package
Air Quality Life Index	Energy Policy Institute, UChicago	link	aqli_global.csv; Map6.1-aqli_table_data_global_2022_who.xlsx
Country Codes Data	World Bank WITS	link	country_code.xlsx
Open Air Quality Data	Hasenkopf et al. (EPIC)	link	(values used directly in text)
Adoption of the Decimal Metric System	Vera (2011)	link	adoptionofmetricsystem.xlsx
Oil Tanker Spill Statistics 2024	ITOPF / OWID	link	oil_spills_by_decade_final_data.xlsx
World Development Indicators	World Bank	link	CLASS.xlsx; GDP_per_capita.dta; PM25airpollutionmeanannual.csv; WDI ZIP

Dataset Name	Source	URL	File Name(s) in Package
			extracts; multiple files
International Standards Database	Bjørkholt (2025)	link	iso_standards.sqlite
Product Complexity Index	OECD	link	Data-PCI.csv
Global Quality Infrastructure Index	GQII Program	link	GQII2023.xlsx; gqii2023_public_dataset_v2.xlsx
Essential Medicines Database	Persaud et al. (Figshare)	link	GlobalEssentialMedicinesDatabase.xlsx
State and Trends of Carbon Pricing	World Bank	link	Carbon coverage.xlsx
Global Carbon Project CO ₂ dataset	Global Carbon Project	link	consumption-co2-per-capita.csv
Worldwide Governance Indicators	World Bank	link	wgidataset.xlsx
UN Economic Classifications	UN Statistics Division	link	ISIC4_ISIC31.txt; ISIC31_ISIC4.txt
World Economic Outlook 2024	IMF	link	WEOApr2024all.xls
EORA 26	EORA MRIO	link	EORA 2022 ZIP files (not included)
WB Country & Lending Groups	World Bank	link	WB_Classification_FY2025.xlsx; Income groups.dta; OGHIST_2025_07_01.csv
DynQual v1.0	Jones et al. (2023)	link	pathogen_annualAvg_1980_2019.nc
World Bank Enterprise Survey (restricted)	World Bank	link	New_Comprehensive_.dta; ES-Indicators-Database.dta
WBES Public	World Bank Data360	link	WB_ES_T_MGMT1.csv
fDi Markets FDI	Financial Times	link	fDi_Markets_FDI.dta
UN M49 Codes	UNSD	link	UNSD—Methodology.xlsx
Regulations for Passenger Cars	ICCT	link	fuel_economy_standard.xlsx
SEDAC Population	NASA	link	Population count 1km_ssp2_2030.tif

Dataset Name	Source	URL	File Name(s) in Package
Dataset	SEDAC		
Global Heating/Cooling Degree Days	University of Oxford	link	CDD_scenario15_mean_v1.nc
Flood Exposure & Poverty	Rentschler et al.	link	Map6.4-flood exposure.xlsx
Drinking-Water Quality Regulations	WHO	link	nationalwaterstandards.xlsx
Climate Policy Database	NewClimate Institute	link	ClimatePolicyDatabase - v2020.xlsx; v2023.xlsx
CAPMF Classifications	OECD	link	CPD_to_OECD_to_WDR_broad_classification_mapping.xlsx
EM-DAT	CRED	link	EMDAT_for_WDR2025_updated.csv
Building Energy Regulations	World Bank	link	Map6.2-building codes-Maps for Cartography.xlsx
BRSS	World Bank	link	brss-public-release.xlsx
Global Findex 2025	World Bank	link	Findex_SSA_ID_MMbar.csv
World Bank Data360	World Bank	link	Chapter 7 source files
Prosperity Data360	World Bank	link	Chapter 7 source files
Global Survey of Public Servants	World Bank	link	GSPS_Indicators_Dataset_11_10_23.xlsx
V-Dem	V-Dem Institute	link	V-Dem v15 extract
Public Procurement in Law & Practice	Bosio et al.	link	Master_Procurement_Data.xlsx
RAIS (Brazil)	Brazilian Labor Ministry	link	RAIS extract via script
MiDES Reproducibility Package	Dahis et al.	link	All files in catalog 72
Brazilian Municipal Shapefiles	IBGE	link	BR_Municipios_2024.zip
GovTech Maturity Index	World Bank	link	WBG_GovTech_Dataset_Oct2022.xlsx
National PM2.5 Standards	Authors	(no URL)	airpollutionstandards.xlsx
ISO Standards	Authors	(no	Most Popular Standards.dta

Dataset Name	Source	URL	File Name(s) in Package
Dataset		URL)	
IAF Accreditation Data	Authors	(no URL)	IAF accreditation body scopes.xlsx
Accredited Testing & Calibration Labs	Authors	(no URL)	Accredited testing and calibration labs.xlsx
Survey for National Standards Bodies	World Bank	link	Survey for National Standards Bodies.xlsx
WHO–HAI Medicine Prices	WHO & HAI	link	WHOHAI DATA.xlsx
Literature Estimates	Authors	(no URL)	Literature Estimates.xlsx
Electricity Cost Data	Authors	(no URL)	Electricity_cost.xlsx
TRAINS Non-Tariff Measures	UNCTAD	link	Cleaned_World.rds
WITS Trade Flow Data	World Bank	link	WITS_Merge.rds
FAO Harvest Area Data (restricted)	FAO/ITC	link	FAO_area.xlsx
ITC – State of Sustainable Markets (restricted)	ITC	link	VSS.xlsx
ISO Administrative Data	ISO	link	ISO_Admin_Data_TC.xlsx; TCdata.dta

Technology Requirements

- Runtime: ~5 hours
- Verified on:
 - Windows 11 Enterprise
 - Intel i5-1145G7
 - 15.7 GB RAM

Dependencies:

- R package dependencies via `renv.lock`

- Stata ado files in /ado/
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Contacts

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