

README for the Reproducibility Package for From Policy to Practice: Lessons Learned from the Implementation of the Refugee Work Rights Policy in Ethiopia

Overview

The following document provides the necessary information regarding the data processing methods used to calculate the figures included in the report “From Policy to Practice: Lessons Learned from the Implementation of the Refugee Works Rights Policy in Ethiopia.” The reproducibility package folder contains the following materials:

- Excel files
- QGIS file

Data Availability Statement

Dataset Name	File Name(s)	Link/Access Instructions	Access Date	Data Access
Refugees in Ethiopia	SMPOPREFGETH.xlsx	The “Data” folder contains all the datasets used for this paper, downloaded from the original source: https://fred.stlouisfed.org/series/SMPOPREFGETH	May 2025	Open
Refugees by Country of Origin	Breakdown by Country of Origin.xlsx	The “Data” folder contains all the datasets used for this paper, downloaded from the original source: https://data.unhcr.org/en/country/eth	May 2025	Open
Refugees by Age and Gender	Breakdown by Gender and Age.xlsx	The “Data” folder contains all the datasets used for this paper, downloaded from the original source: https://data.unhcr.org/en/country/eth	May 2025	Open
Refugees in Ethiopia 2025	UNHCR Ethiopia_Refugees_May 2025.xlsx	This data is restricted. We requested it to Atinkut Mezgebu Wubneh (wubneh@unhcr.org), Senior Development Officer at UNHCR Ethiopia.	May 2025	Restricted
EOP Data	EOP_Data.xlsx	This is restricted. Please reach out to World Bank Ethiopia Team: Senidu Fanuel or Cesar Cancho.	May 2025	Restricted
Ethiopia Refugee Camps	ET_refugee_camps_unhcr_2019.shp	Restricted. Sent by Valentina Daza from the WBG Development Research Group working in the other project with Sandra Rozo. Please request the files to sandraroza@worldbank.org	May 2025	Restricted
Ethiopia - Subnational Administrative Boundaries	eth_adm_csa_bofedb_2021_shp.shp	https://data.humdata.org/dataset/cod-ab-eth	May 2025	Open
Countries East Horn of Africa	gha_region_icpac_2016.shp	https://data.humdata.org/dataset/greater-horn-of-africa-countries	May 2025	Open
Share of refugees per region	RefugeesPerRegion.xlsx	https://data.unhcr.org/en/country/eth . We copied and pasted the numbers that appear under the “Breakdown by location” table on the website for May 2025.	May 2025	Open

Statement about Rights

I certify that the author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.

I certify that the author(s) of the manuscript have documented permission to redistribute/publish the data contained within this replication package. Appropriate permissions are documented in the LICENSE.txt file.

Instructions for Replicators

To utilize the complete package, it is necessary to have access to the databases specified in the "Data" folder, "Map" folder, and the contents in the "Figures" folder. Below, I provide guidance on how each Figure was created:

- Figure 1. This is a line trend graph created using the database "SMPOPREFGETH.xlsx" and adding the total number of refugees for 2024 and May 2025 (see the links to the UNHCR PDF files).
- Figure 2. Panel A. The bar graph shows the share of refugees by country of origin, estimated by dividing the number of refugees per country of origin by the total number of refugees in May 2025.
- Figure 2. Panel B. The bar graph was created by grouping the age categories and showing the share of children, the population in the working age range, and the population over 60.
- Figure 3. For the map, include as layers the following shp files: "ET_refugee_camps_unhcr_2019" (refugee camps layer), "eth_adm_csa_bofedb_2021_shp" (regions layer), and "gha_region_icpac_2016.shp" (countries layer). Then, I added a column to the regions layer with the share of refugees per region, as specified in the file "RefugeesPerRegion.xlsx". For the regions layer, I then adjust it as described below:
 - Opened the Layer Properties → Symbolology:
 - Choose graduated symbology.
 - Select the field "Refugee Share (%)" for classification.
 - Apply six classes, using a sequential color ramp (light to dark blue).
 - Used "No refugee data" hatching pattern for regions with missing data (Southwest Ethiopia, Sidama)
 - Adjusted labels, created a legend, and exported to png format
- Figure 6. The bar graph was created using the "EOP Data" database, which shows the number of permit types by region.
- Figure 7. The bar graph was constructed by combining the "Refugees in Ethiopia 2025" and "EOP databases". The Excel file has all the formulas.

Software Requirements

Microsoft Excel, QGIS