

Replication Package – Economic Cost of LGBTI+ Exclusion in Brazil

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1. Purpose

This replication package enables full reproducibility of the analytical results presented in the World Bank report:

“Economic Cost of Exclusion Based on Sexual Orientation, Gender Identity and Expression, and Sex Characteristics in the Labor Market in Brazil.”

The package documents all steps required to reproduce:

- Labor market indicators
 - Estimated gaps (λ)
 - Economic cost calculations
 - Fiscal impact estimates
 - Tables and figures included in the report
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2. Data Availability Statement

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

This package relies on two microdata sources. Both files must be placed in the Data/raw/ directory before running any code.

Dataset 1 — PNAD Contínua 2024 (Public)

File: PNADC_2024_visita1.txt **Source:** Instituto Brasileiro de Geografia e Estatística

(IBGE) **Access type:** Publicly available for download **URL:**

https://www.ibge.gov.br/estatisticas/downloads-estatisticas.html?caminho=Trabalho_e_Rendimento/Pesquisa_Nacional_por_Amostra_de_Domicilios_continua/Anual/Microdados/Visita **Access instructions:** Navigate to visita_1 → Dados and download PNADC_2024_visita1_20251119.zip. Extract pnadc_2024_1.txt and place it in Data/raw/.

Citation:

IBGE – Instituto Brasileiro de Geografia e Estatística. (2024). *Pesquisa Nacional por Amostra de Domicílios Contínua (PNAD Contínua) – Microdados, Visita 1*, 2024. Rio de Janeiro: IBGE. Available at:
https://www.ibge.gov.br/estatisticas/downloads-estatisticas.html?caminho=Trabalho_e_Rendimento/Pesquisa_Nacional_por_Amostra_de_Domicilios_continua/Anual/Microdados/Visita

Dataset 2 — ECoE Brazil Survey (Restricted / Forthcoming)

File: ecoebr_final_decodificado.dta **Source:** World Bank – Economic Cost of Exclusion (ECoE) Survey, Brazil **Access type:** Forthcoming in the World Bank Microdata Library **Access instructions:** This dataset is not yet publicly available. It will be deposited in the World Bank Microdata Library upon publication of the report.

Citation:

World Bank. (forthcoming). *Economic Cost of Exclusion Based on Sexual Orientation, Gender Identity and Expression, and Sex Characteristics (ECoE) Survey – Brazil*. Washington, DC: World Bank Microdata Library.
<https://microdata.worldbank.org>

3. Workflow Overview

The analytical pipeline is organized into four stages:

1. Data preparation
 2. Harmonization and reweighting
 3. Estimation of labor-market indicators and gaps
 4. Production of tables and figures
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4. Execution Order

Running the full pipeline

All scripts are orchestrated by a single master do-file:

```
Code/00_master.do
```

The only change required before running is to set your local root path on line 18:

```
global path "/your/local/path/to/v2"
```

Everything else — subdirectory references, ado-file paths, and script execution order — is built automatically from that single global. Once the path is set, open `00_master.do` in Stata and run it; all scripts will execute in the correct order.

Script descriptions

1. **01_pnad_prepare_final_report.do**
 - Imports raw PNAD Contínua 2024 (`pnadc_2024_1.txt`)
 - Keeps only variables used in the analysis
 - Creates harmonized demographic and labor-market variables
2. **02_ecoe_prepare_final_report.do**
 - Imports raw ECoE survey (`ecoebr_final_decodificado.dta`)
 - Creates harmonized demographic, labor-market, discrimination, and SOGI variables
3. **03_article_application_and_tables.do**
 - Harmonizes PNAD Contínua and ECoE datasets
 - Estimates the comparison weighting model
 - Produces empirical labor-market indicators
4. **04_article_tables_Final.do**
 - Produces final formatted tables for the report

5. List of Exhibits

Exhibit	Output file	Script
Figure 1	<code>orientation_workplace_table_bygroup.xlsx</code>	<code>05_Figure1.do</code>
Figure 2	<code>disc_employment_status_allgroups.xlsx</code>	<code>05_Figure2.do</code>
Figure 3	<code>disc_level_by_demographics_bydim.xlsx</code> , <code>disc_level_by_demographics.xlsx</code>	<code>05_Figure3.do</code>
Table 1	—	Descriptive summary statistics reported directly in the report
Table 2	—	Descriptive summary statistics reported directly in the report
Table 3	—	Descriptive summary statistics reported directly in the report
Table 4	<code>table4_exact_report.csv</code>	<code>04_article_tables_Final.</code>

Exhibit	Output file	Script
Table 5	table5_exact_report.csv	do 04_article_tables_Final. do
Table 6	table6_exact_report.csv	04_article_tables_Final. do
Table 7	table7_exact_report.csv	04_article_tables_Final. do
Table 8	table8_exact_report.csv	04_article_tables_Final. do
Appendix Tables A1–A16	—	—

6. ECoE Variable Names Used

Demographics: - Idade, EstadoMoradia, DescricaoLugarMoradia, RacaCor - SexoNasc, Ensino, EnsinoAtual, EnsinoParou

Labor market: - AtividadeRemunerada, ProcurouTrabalho, StatusProfissionalTrabalho - MediaValorMensal, MediaValorMesAutonomo

Discrimination: - AvalFreqAbertamenteLgbti, AvalFreqEscondeuOrientSex - AbalFreqFoiAlvoComent, AvalFreqOuviuComentNeg - AbertoColegasOrientSex

SOGI: - Genero, PessoaTrans, OrientacaoSexual, var_autodeclar

Traditional peoples / communities: - PartePovo__1, PartePovo__2