Indigenous peoples, land and conflict in Mindanao, Philippines

November 2023

README

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Overview

The code in this replication package constructs the analysis file from **six** data sources using Stata.

1. Georeferenced violent incidents and Certificates of Ancestral Domains (CADT) areas.

2. Census IP counts and other variables.

3. Poverty at regional level.

4. Mining data at the mining site level.

5. Active development projects happening in the barangay.

6. Violent incidents dataset

Two main do files run all the code to replicate figures and tables in the paper, in Stata 17.

1. gen3version1.do: Generates datafinal6.dta

2. Working paper.do: Generates figures and tables in the paper.

The replicator should expect the code to run for less than 10 minutes.

Data Availability and Provenance Statements

1. Georeferenced violent incidents and Certificates of Ancestral Domains (CADT) areas. This dataset was provided by the TTLs: Carlos Tomas Perez-Brito at cperezbrito@worldbank.org and Nadia Belhaj Hassine Belghith at nbelghith@worldbank.org

2. Census IP counts and other variables. From Philippine Statistics Authority (PSA) exclusively for this study. It was confidential when this study was made.

3. Poverty at regional level. Publicly available here

3. Mining data at the mining site level. Information provided from Conflict Alert (CA).

4. Active development projects happening in the barangay. Information provided from Conflict Alert (CA).

5. Violent incidents dataset. Information provided from Conflict Alert (CA).

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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 permission are documented in the LICENSE.txt file.

Summary of Availability

- ☐ All data **are** publicly available.

- ✓ Some data **cannot be made** publicly available.

- ☐ **No data can be made** publicly available.

Details on each Data Source

Data name	Data files	Location	Provided	Citation
1. Certificates of Ancestral Domains and violent incidents	ancestral2.dta	$DataProc/Version 1\	YES	NCIP (2020) and CA(2022)
2. Census data	merged new data.dta	$DataProc/Version 1\	YES	Census (2020)
2. Census data	density.dta	$DataProc/Version 1\	YES	Census (2020)
3. Poverty data	poverty.dta	$DataProc/Version 1\	YES	PSA (2022)
4. Mining data	mining.dta	$DataProc/Version 1\	YES	PSA (2022)
5. Active programs data	active4ps.dta	$DataProc/Version 1\	YES	CA (2022)
6. Violent incidents	incidents_all.dta	$DataProc/Version 1\	YES	CA (2022)

Example for public use data sourced from elsewhere and provided

Data on poverty was downloaded from the PSA website (PSA, 2021). We used 2021 Full year, table 1, column H. Here: https://psa.gov.ph/statistics/poverty/stat-tables

Example for confidential data

Datasets 1,2,4,5 and 6 were confidential when this study was produced. For more information contact the TTLs: Carlos Tomas Perez-Brito at cperezbrito@worldbank.org or Nadia Belhaj Hassine Belghith at nbelghith@worldbank.org

The author will assist with any reasonable replication attempts for two years following publication.

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Computational requirements

Software Requirements

- Stata (code was last run with version 17)

Memory and Runtime Requirements

Summary

Approximate time needed to reproduce the analyses on a standard (CURRENT YEAR) desktop machine:

- ✓ ☐ <10 minutes

- ☐ 10-60 minutes

- ☐ 1-2 hours

- ☐ 2-8 hours

- ☐ 8-24 hours

- ☐ 1-3 days

- ☐ 3-14 days

- ☐ > 14 days

- ☐ Not feasible to run on a desktop machine, as described below.

Details

The code was last run on a 4-core Intel-based laptop with Microsoft Windows 11.

Description of programs/code

The do-file Main file.do runs the following do-files:

1. Gen3version1.do: Takes datasets 1-5 and generates one file: datafinal6.dta

2. Working paper.do: Uses dataset 6 and datafinal6.dta to generate figures and tables in the paper.

Instructions to Replicators

- Edit `Main file.do` to adjust the default path

- Run `Main file.do`

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Details

- `Gen3version1.do`: will create database datafinal6.dta

- `Working paper.do` will create figures and tables for the paper

List of tables and programs

The provided code reproduces:

- ☐ All numbers provided in text in the paper

- All tables and figures in the paper

- ✓ Selected tables and figures in the paper, as explained and justified below.

Most of the figures and tables were made with excel with the inputs from Stata. See "Tables and figures PRWP NOV2023". So, some Stata outputs in the list below may differ their aesthetics from the ones in the paper.

Figure/Table #	Program	Line Number	Output file	Note
Figure 1	n.a. (no data)			Source: NCIP, Ancestral Domain Office staff
Figure 2	Working paper.do	14	$WorkDesc\Figure2.png & Results.doc	
Figure 3	Working paper.do	23	$WorkDesc\Figure3.png & Results.doc	
Figure 4	Working paper.do	40	$WorkDesc\Figure4.png & Results.doc	
Figure 5	Working paper.do	50	$WorkDesc\Figure5.png & Results.doc	
Figure 6	Working paper.do	79	$WorkDesc\Figure6.png	
Figure 7	Working paper.do	100	$WorkDesc\Figure7.png	
Table 1	Working paper.do	113	Results.doc	
Table 2	Working paper.do	118-152	$WorkDesc/results1.xls	

Table 3	Working paper.do	157-191	$WorkDesc/results6.xls
Figure 8	Working paper.do	214- 219	$WorkDesc\Land.png & $WorkDesc\Resource.png
Figure 9	Working paper.do	221-228	$WorkDesc\Non-land.png & $WorkDesc\Non-resource.png $WorkDesc\Undetermined.png

References

Conflict Alert, CA, 2020. Special Database.
Ancestral Domain Office, NCIP, 2020 Activities under the stages of the CADT application
Philippines Statistics Authority, PSA, 2022, Special Database.
Census 2020, Philippines Statistics Authority