README for

Dynamic Impacts of Lockdown on Domestic Violence:
Evidence from Multiple Policy Shifts in Chile

Sonia Bhalotra, Emilia Brito, Damian Clarke, Pilar Larroulet and Francisco Pino

Review of Economics and Statistics
2023

1. OVERVIEW

This folder contains four sub-directories:
|_ data: contains all data used in the paper
|_ source: contains all source code used for replication of results
|_ results: tables and figures provided in the paper
|_ log: a log or equivalent file produced when running each source code

All results in the paper can be replicated by running the programs provided in the "source" sub-directory, simply changing one global variable in each file pointing to the location of this folder on your computer. Additionally, these files replicate the results contained in online appendices. If you wish to generate the precise format of results from the paper, the tex files located in this directory can be compiled, providing the complete rendered output.

Results in the paper were produced using Stata 15.1, though all source files have been run on versions of Stata 15.1-18.0.

2. REPLICATION INSTRUCTIONS

Three main separate scripts are provided, replicating the following results:

(a) Analysis of helpline calls, crime reports and labour market outcomes
(b) Analysis of women's shelter data
(c) Analysis of mobility data

These are respectively named analysisMunicipal.do, analysisRegional.do, and analysisMobility.do. These scripts work at different aggregation levels depending on the unit of analysis (muncipal*month in (a), regional*day in (b) and municipal*day in (c)). To replicate all results, each of the scripts should be run after setting the location of the global to point to the location of the folder containing these replication on your machine. For example, if the replication materials are located in a folder called "~/replication", the line in each script defining the ROOT global should be set as:

```
global ROOT "~/replication/"
```

No other changes are necessary. A number of external user-written programs are required, which where installed from the SSC in Stata during the time this paper was written. To ensure backwards compatibility, the precise versions of ado files are provided as part of the "source" folder (generally in the ado subfolder) and are:
> did_multiplegt.ado
> bacondecomp.ado
> eventdd.ado
> esttab.ado
> estadd.ado
> estout.ado
> plottig (scheme-plottig.scheme)
> twowayfeweights.ado
> reghdfe.ado
> honestdid.ado
> ivreghdfe.ado

Tables are all exported as tex files, and figures are all exported as eps files or in pdf format. If you desire to replicate the precise format of these tables and figures as presented in the paper, you can compile the tex file in the main directory using the following command:

```
xelatex genderMMR.tex
```

These scripts have all been tested on a notebook with 32GB of RAM, and an Intel i7 with 8 cores using Stata MP version 15.1. The file analysisMobility.do takes approximately 24 hours to run in its entirety, and this will take longer if multiple cores are not available or older processors are used.

Tables and figures are indicated in section headers in each of the relevant do files. For clarity, tables and figures corresponding to each script are also listed below:
- analysisMunicipal.do
  - Main Tables: 1, 2
  - Main Figures: 2a, 2b, 2d, 2f, 3c, 3d, 3e, 3f
  - Appendix Tables: A1, A2, A3, A4, A5, B1, B2, C2
  - Appendix Figures: A1, A3, A4, A5a, A5b, A5e, A5f, A6c, A6d, A6e, A6f, A7, A8, A9, A10, B1, B2, C1a, C1b, C2b, C3
- analysisRegional.do
  - Main Figures: 2c, 2d
  - Appendix Tables: A2, A5c, A5d, C1c, C1d
  - Appendix Figures: A1
- analysisMobility.do
  - Main Figures: 1, 3a, 3b
  - Appendix Figures: A6a, A5b, C2a

3. DATA SOURCES

The article uses a combination of publicly available administrative datasets from Chile. These data are described in full in the Data Appendix C of the paper.

Software Version and Operating System

OS Version: Ubuntu 22.04 (also tested on Windows 10 Pro)

Stata version: 15.1