Data replication of results presented in "The Decentralization of Death? Local Budgets and Organized Crime Violence"

Instructions for users

This batch of files includes single Stata datasets, an integrated Stata dataset ("Dez_and_Death_integrated_dataset.dta"), do-files for data modification, do-files for model estimation and a codebook in order to replicate the econometrically generated results presented in the article "The Decentralization of Death? Local Budgets and Organized Crime Violence". Version 15.1 of Stata was used to generate the results.

The following files were uploaded:

- "Instructions_for_users_Dataverse": This pdf-files contains descriptions of the uploaded files and instructions on how to replicate the regression results;
- "Codebook_Dez_and_Death": pdf-file that contains the variable name, variable descriptions, min-max and data sources of **those variables contained in the integrated dataset**;
- Folder (file path) "single_variables": Folder containing 51 single variables (or small sets of variables) in separate Stata-dta-files;
- "Syntax_Data_Preparation_Dataverse": Stata-do-file that permits replicating the data-modification process that leads to the integrated dataset;
- "Dez_and_Death_integrated_dataset": Stata dta-file integrating all relevant variables after data modification (i.e., after execution of the do file for data preparation on the single (sets of) variables);
- Folder (file path) "do_files_model_estimation": Folder containing 10 Stata-do-files that permit replication of the estimation results by executing each do-file on the integrated dataset;

For replication of the results, follow these steps:

Step 1: Create the integrated dataset (this step is included for replication purposes - you can also open the integrated dataset directly)

- Download all provided files
- Save the folder "single_variables" and save it into your Stata working directory;
- Open "Population.dta" which is the master file for the data preparation code;
- Run the do-file "Syntax_Data_Preparation_Dataverse.do" which integrates the single variables into one dataset (sept-by-step descriptions of data modification are included in the do-file);

- Save the integrated dataset into your workin directory as “Dez_and_Death_integrated_dataset.dta”;
- Consult the Codebook for a detailed description of the variables included in the integrated dataset;

Step 2: Model estimation

- Open “Dez_and_Death_integrated_dataset.dta”;
- Open the do-file that relates to the regression model you want to replicate. Note that each do-file is labeled according to the table which displays the results. Each do-file contains detailed descriptions on the commands applied;
- Note: For two-part models that are based on multiply imputed data, the do-files for the binary and continuous parts appear in separate files;
- Note: In order to replicate the Spatial Durbin Model, Stata needs to access the file “Cabezera_Coordinados.dta” from the folder “single_variables”, which should be saved to your working directory;
- **For the continuous parts of the different two-part models: Since the dependent variable is log-transformed, the effect was converted so that the results reflect a Δy in percent when x changes by 1 unit. The percentage change was computed as follows: %Δy = 100*(eβi-1). This could be manually replicated, e.g. by using excel;**