**To get the results in the Monte Carlo exercise (section 4) and table A1 in the appendix**

* Inputs:
* Data\base\_state\_final.csv: data constructed from CPS with information by state and time.
* Data\distance\_centroid.csv: file with the distance between the states. This data is needed if the researchers want to construct a control group that is not completely at random. They can choose the donors pool using the distance. This option is in the main code.
* monte\_carlo.R: estimate a factor model that best approximate the data, estimate the factor, simulate epilson and lambda from a ARMA model, include the test for stationarity of the factors, simulate 5000 replications of each scenario in which we vary the state to be “treated” and the pre-treatment period.
* gen\_csv\_results: generate a csv data with the results in all the tables and graphs of section 4 and table A1 in the appendix.
* “Table and Figures - MC.do”: generates the tables and figures in section 4.
* Auxiliary files:
* \_aux.R: This code includes the SC estimator, the demeaned SC estimator and the specification test (DD vs Demeaned SC) described in the paper.

**To get the results in the Application (section 5) and table A2 in the appendix**

* Inputs:
* Data\base\_abadie.csv: original data in Abadie and Gardeazabal (2003)
* application.R: calculates the SC with all lags, the SC used in Abadie and Gardeazabal (2003), the demeaned SC with all lags SC estimator and the difference in difference estimator. Construct the figures in section 5 and calculate the weights in table A2 in the appendix.
* Auxiliary files:
* \_aux.R: This code includes the SC estimator, the demeaned SC estimator and the specification test (DD vs Demeaned SC) described in the paper.