Brief Summary of Replication Materials

This Dataverse entry contains the materials necessary to replicate the following paper:

Parker, B. (2021). ***Death Penalty Statutes and Murder Rates: Evidence from Synthetic Controls.*** **Journal of Empirical Legal Studies, 18(3), pp. 488-533.**

The materials include 16 .csv datasets, a preprint containing the analyses from the published paper (and variable descriptions), and a replication script containing the analyses from the published paper. See page 2 for a table linking datasets to variables.

Please note that the replication script takes many hours to compile, primarily because the permutation analyses required re-running the time-intensive "synth" function several hundred times as part of for-loops.

This was once the recommended technique (for example, as described in Abadie, Alberto, et al. (2011). *Synth: An R Package for Synthetic Control Methods in Comparative Case Studies*. Journal of Statistical Software, 42(13), pp. 1–17), but more efficient solutions may exist today.

I generally ran the script overnight in order to compile the preprint.

For questions or concerns, please contact brettoliverparker@gmail.com

Data sources are available in Preprint Appendix A

Variable	Dataset
Property Crimes Rates (Crimes Per Resident)	estimated_crimes.csv
Unemployment Rate (Percentage)	State.Unemployment.By.Year.csv
Robbery Rate (Crimes Per Resident)	estimated_crimes.csv
Population Density	pop.density.csv
Proportion of Population Aged 15 to 29	age.stats.csv
Real GDP Per Capita (2012 dollars)	per.capital.gdp.2012.csv
Percentage of Income Held By Top 1%	inequality.one.percent.csv
Poverty Rate (Percentage in Poverty)	poverty.csv
Direct Police Expenditures Per Capita	police.expenditures.csv
Log Murders Per 100,000 Residents (All)	clean.murder.crime.csv
Log Murders Per 100,000 Residents (Intimates)	intimate.homicides.csv & clean.murder.crime.csv
Log Murders Per 100,000 Residents (Strangers)	stranger.homicides.csv & clean.murder.crime.csv
Log Murders Per 100,000 Residents (Acquaintances)	acquaintance.homicides.csv & clean.murder.crime.csv
Death Penalty Status	clean.murder.crime.csv & Murder.Death.Penalty.csv
Executions in Abolitionist States	executions.in.abolition.states.csv