Gun Violence Project

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Steve Morgan – Baltimore study - <https://socweb.soc.jhu.edu/faculty/morgan/papers/MorganPally2016.pdf>

Interrupted time series with seasonal OLS

1. Basic relationships in MN over time
   1. Punishment
   2. Gun sales – from background checks?
   3. Gun injury – hospital data
   4. Background check data (FBI) – Alyssa has contact
   5. Gun ownership
   6. Attitudinal measures (at county-year level?)
   7. Election polls/results?????? – sec of state
   8. Number of gun dealers (ATF)
   9. Concealed carry application (BCA)
   10. Contextual data (ACS)
   11. COVID cases
2. Levels
   1. Weekly
   2. Can get more resolution on protest effects, etc.
3. How different sources of gun violence relate
   1. Hospital vs. UCR for example
4. Replication of Baltimore analysis with MN data
   1. Extensions to other outcomes
   2. Testing of equality across state
5. Difference in difference analysis
   1. 2020 vs. 2019, Pre-post George Floyd
   2. Exogenous shocks of covid-19 and police incident
6. Spatial Variation
   1. Not only in levels, but also in effect size (e.g., 9/11 light massoglia)

Research Questions

1. How does police brutality influence crime?
2. How did punishment respond to Floyd incident?

Alyssa – Records request for MPD dashboard data: crime, gunshot

To start: aggregate mpd data to the week 2019-2020

-check how to define week – lubridate? Also check with Baltimore paper