

Gun Violence in the U.S.

Analysis of the Lower 48 States

Motivation/Background

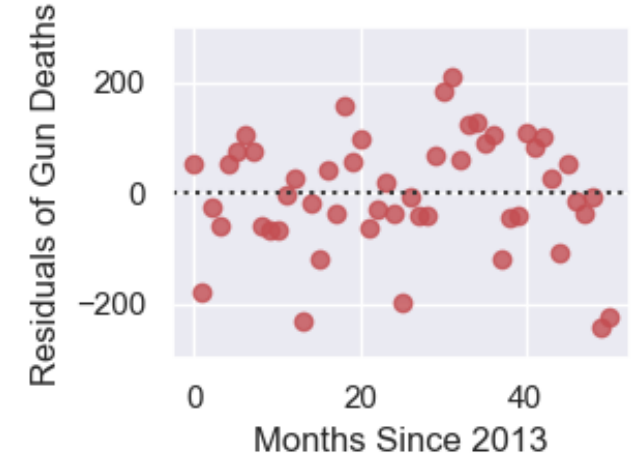
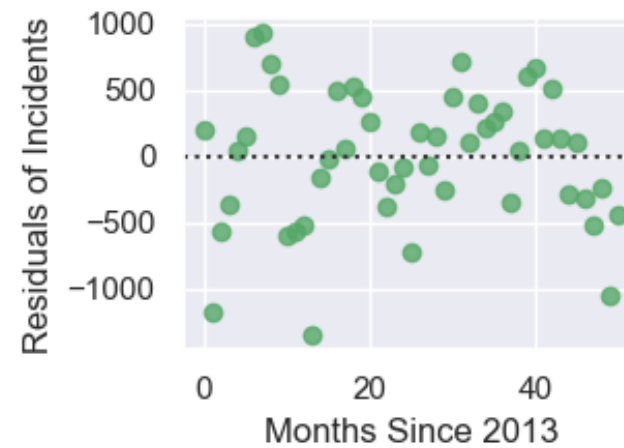
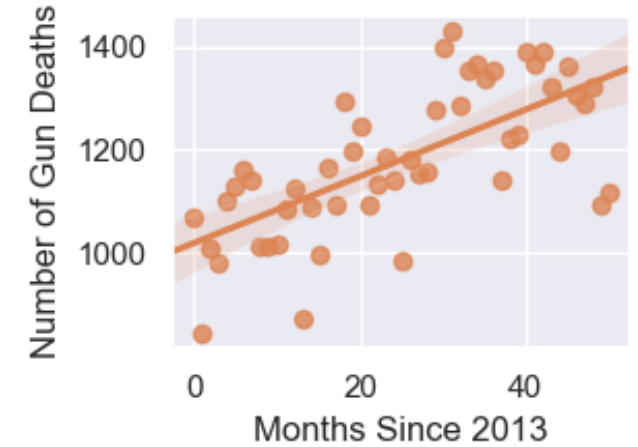
- Mass shootings are tragedies
- Bigger Picture
- Over-Politicized?
- Change over Time
- Distribution across the U.S.
- Causes, out of:
 - Personal Income
 - Population Density
 - Legal Gun Ownership

Research Questions

- How has the amount of gun violence changed between 2013 and the early part of 2018?
- What does it mean to have an unusually large amount of gun violence?
- Where is gun violence most evident?
- What can the data tell us about the causes of gun violence?
- How closely is legal gun ownership related to gun violence?

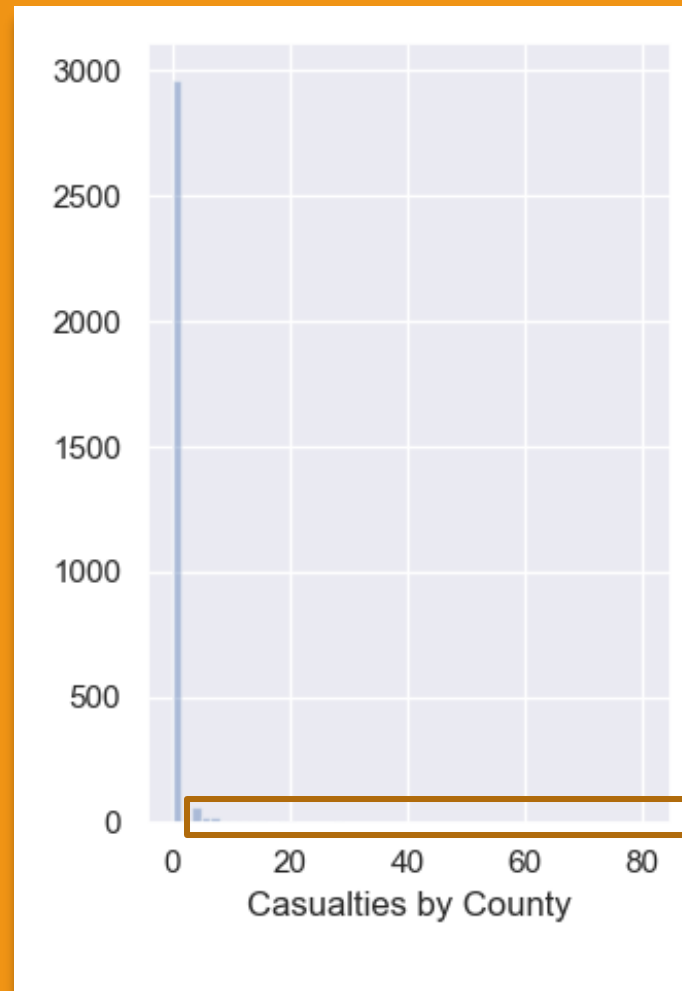
Change Over Time

- How has the amount of gun violence changed over time?
- Aggregate data by month

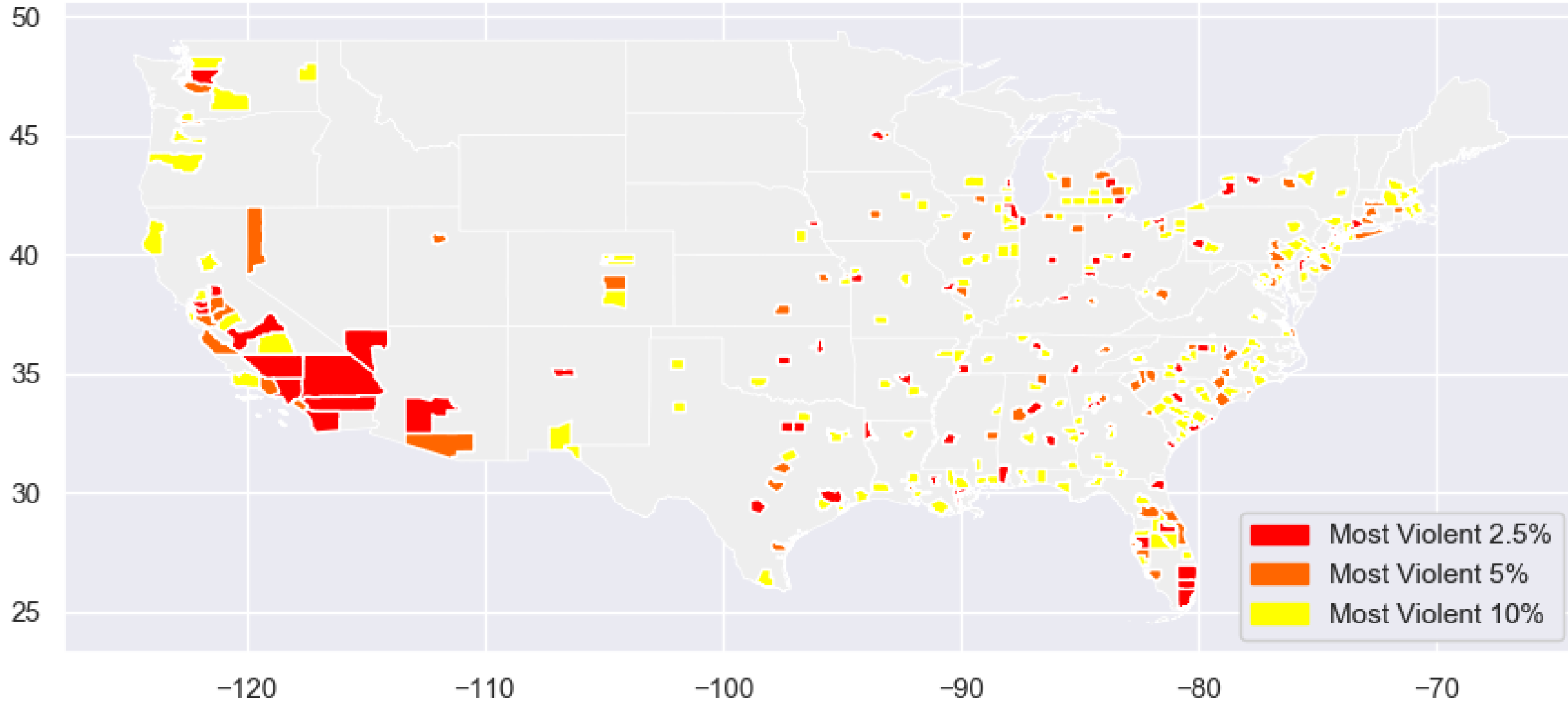


Distribution Across Area

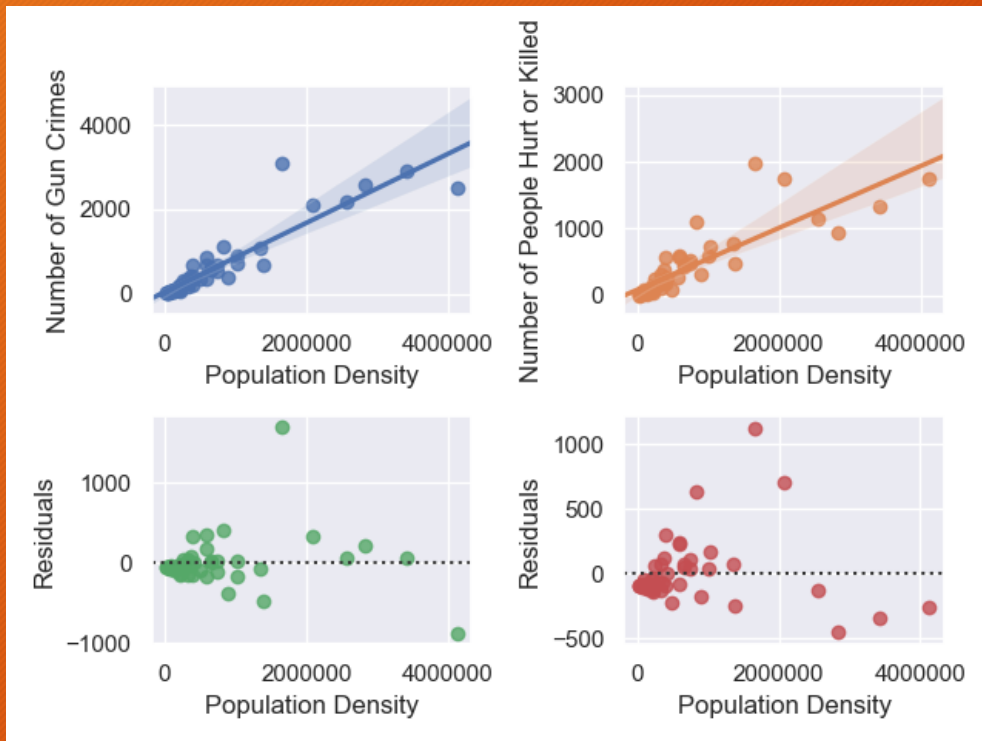
- Aggregate data by county, each county gives a count that can be put on a histogram
- Data at right is from 2013 only



Counties With Highest Number of Casualties



Causes



Combination	Error for Gun Crimes	Error for Gun Casualties
Population Density and Licensee Density	215404.6	125708.9
Population Density and Income Per Capita	193064.4	129106.3
Licensee Density and Income Per Capita	530695.3	243943.2
All Three	185942.8	128396.9

Legal Gun Ownership

