

Story 3 - Do stricter gun laws reduce firearm gun deaths?

Objective:

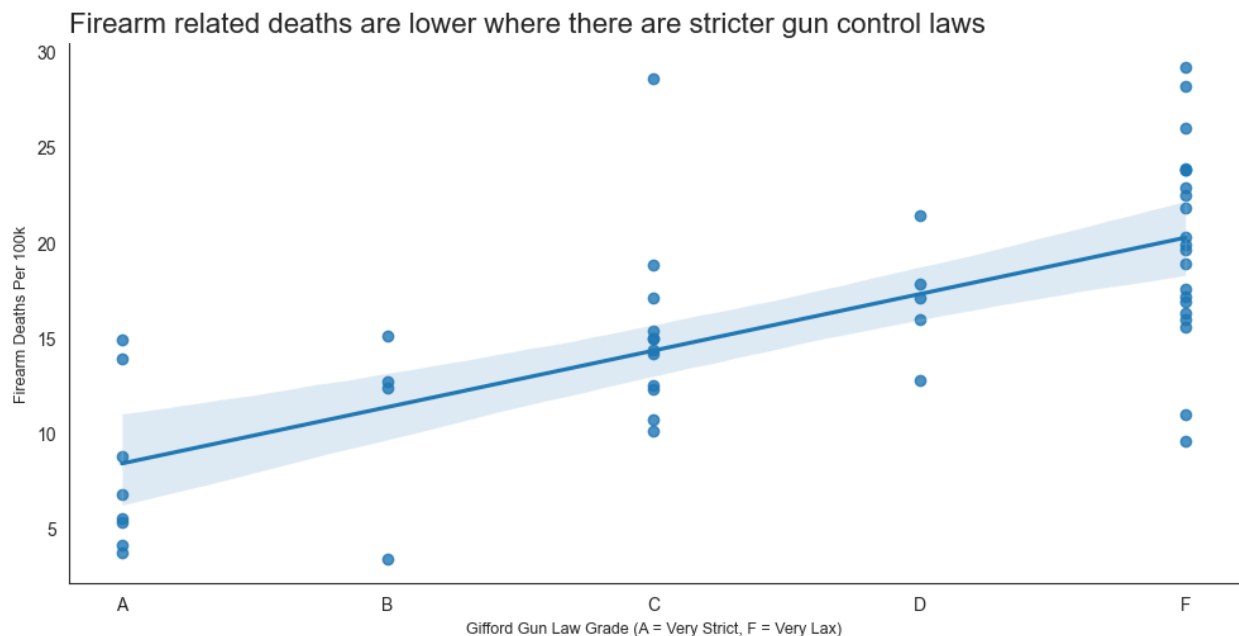
The CDC publishes firearm mortality for each State per 100,000 persons https://www.cdc.gov/nchs/pressroom/sosmap/firearm_mortality/firearm.htm. Each State's firearm control laws can be categorized as very strict to very lax.

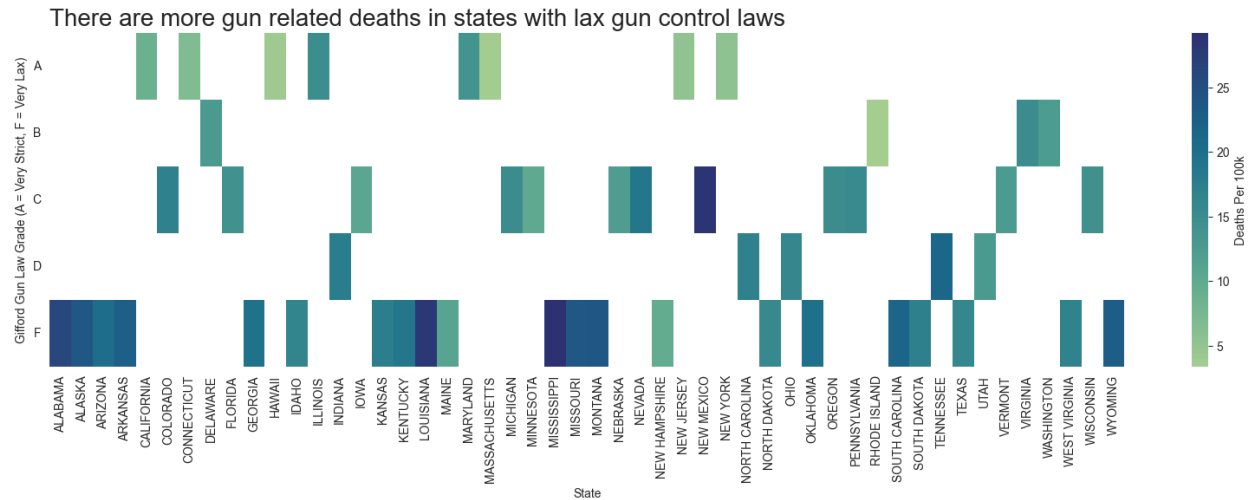
The purpose of this Story is to answer the question, "**Do stricter firearm control laws help reduce firearm mortality?**"

For this assignment you will need to:

- Access the firearm mortality data from the CDC using an available API (<https://open.cdc.gov/apis.html>)
- Create a 5 point Likert scale categorizing gun control laws from most lax to strictest and assign each state to the most appropriate Likert bin.
- Determine whether stricter gun control laws result in reduced gun violence deaths
- Present your story using heat maps

Visualizations:





Conclusions:

Based on the graphs, there are more deaths from firearm related violence in cities where there are lax gun laws. From the scatterplot, we can see that there is an increase in death rate as the Gifford gun grade gets lower. From the heatmap, we can see that gun related deaths are more concentrated in states with lax laws. Based on these visualizations, stricter gun control does help reduce firearm mortality.