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

#### Instructions

The CDC publishes firearm mortality for each State per 100,000 persons

[https://www.cdc.gov/nchs/pressroom/sosmap/firearm\\_mortality/firearm.htm](https://www.cdc.gov/nchs/pressroom/sosmap/firearm_mortality/firearm.htm). Each State' 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

States with more lax gun control laws have a higher death rate on average. The red median line reflects that the states with the most strict gun control have lower death rates. The median line continues to increase across the levels of strictness, on the right side, the lax and most lax gun laws have the highest death rates per 100,000. Therefore, stricter gun control laws result in reduced gun violence deaths.

#### Distribution of Death Rates (2023) by Gun Control Strictness

