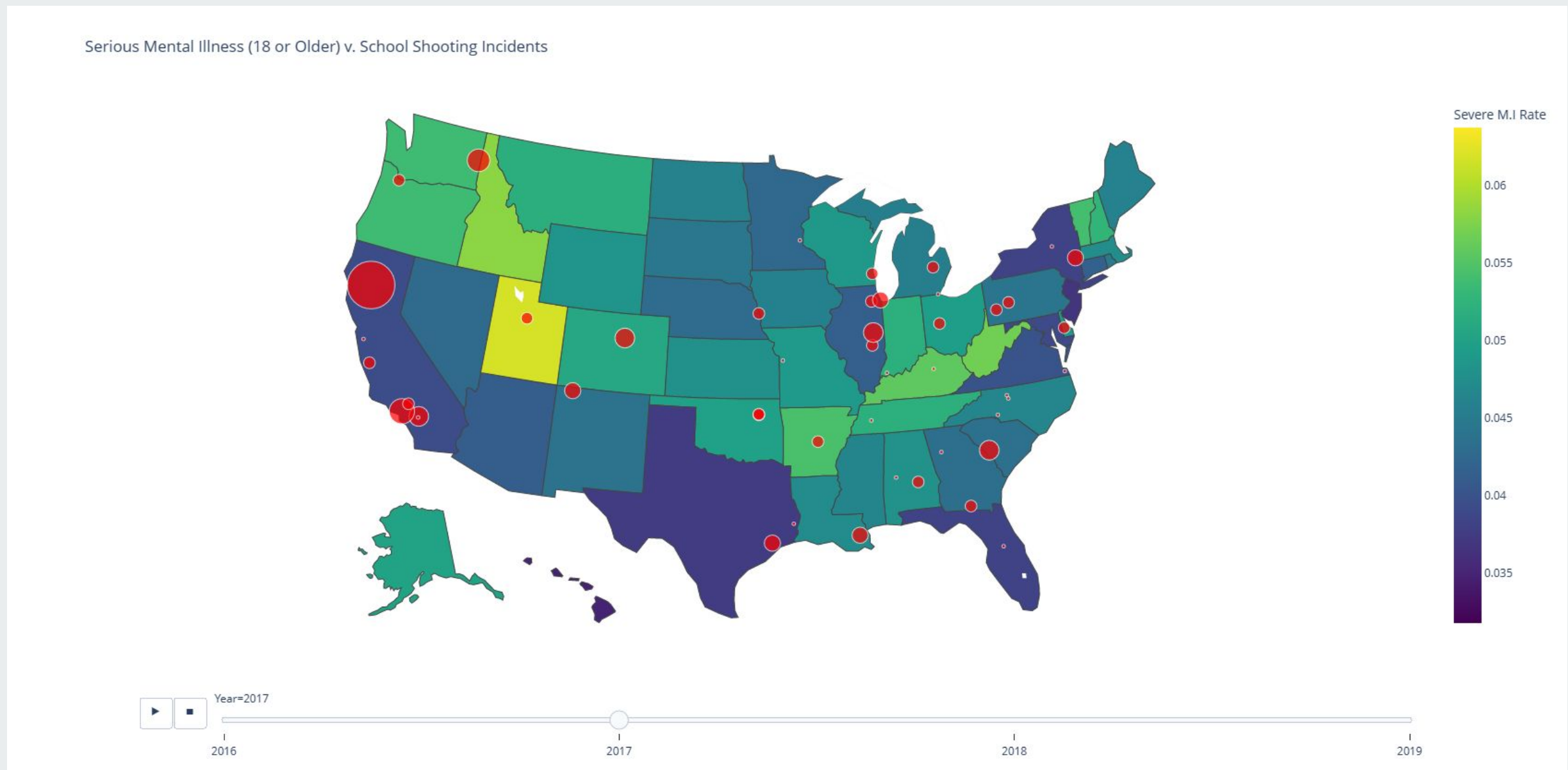


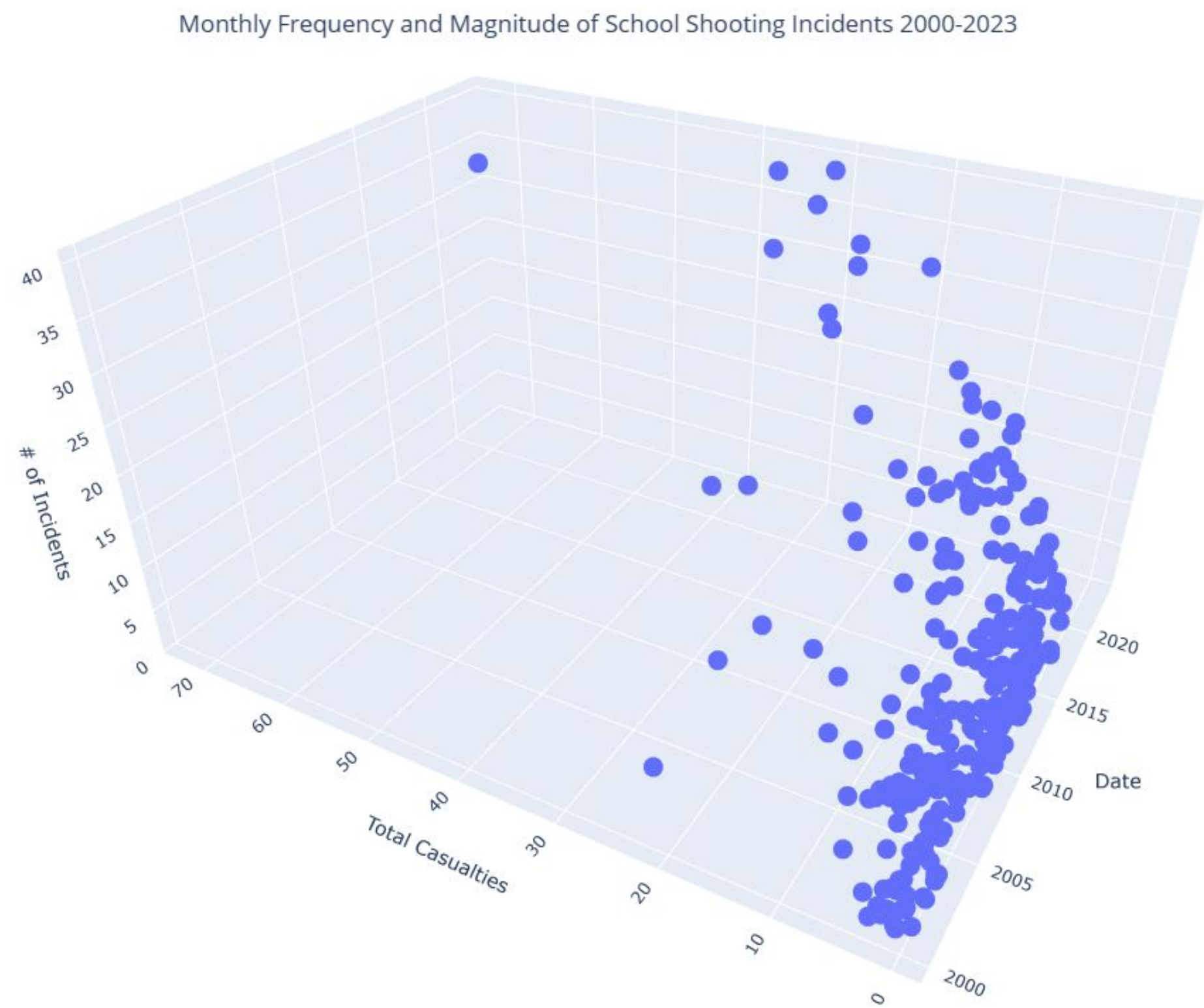
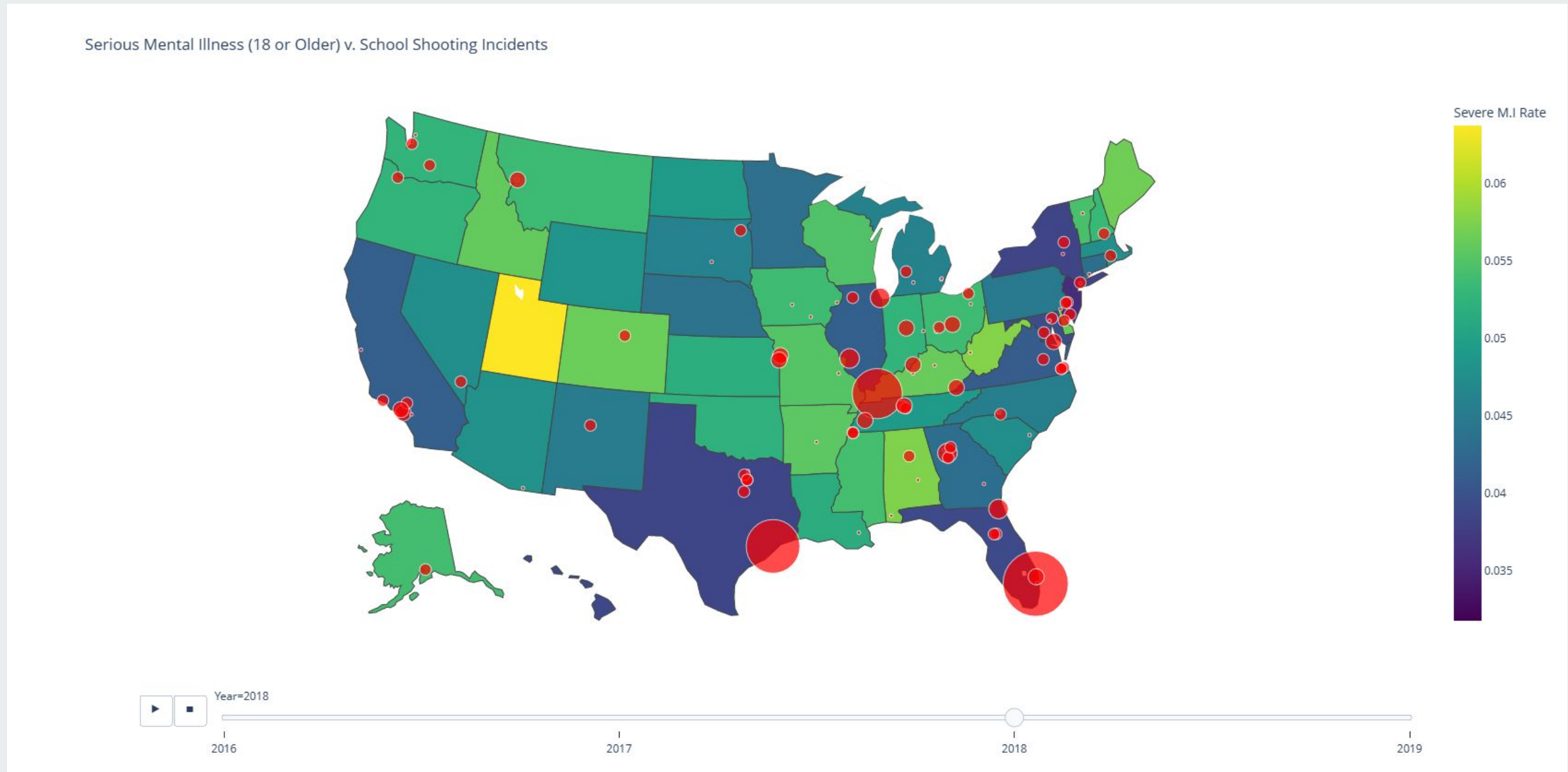
State-level societal metrics impact on School Shootings Severity

Kevin Ramirez

Given recent continual tragedies which have likely been further exacerbated by the harsh economic and social conditions brought by the covid pandemic, there is great incentive in examining different sets of metrics to see which might be most correlated with these somber events in order to potentially reduce future strife and sorrow.

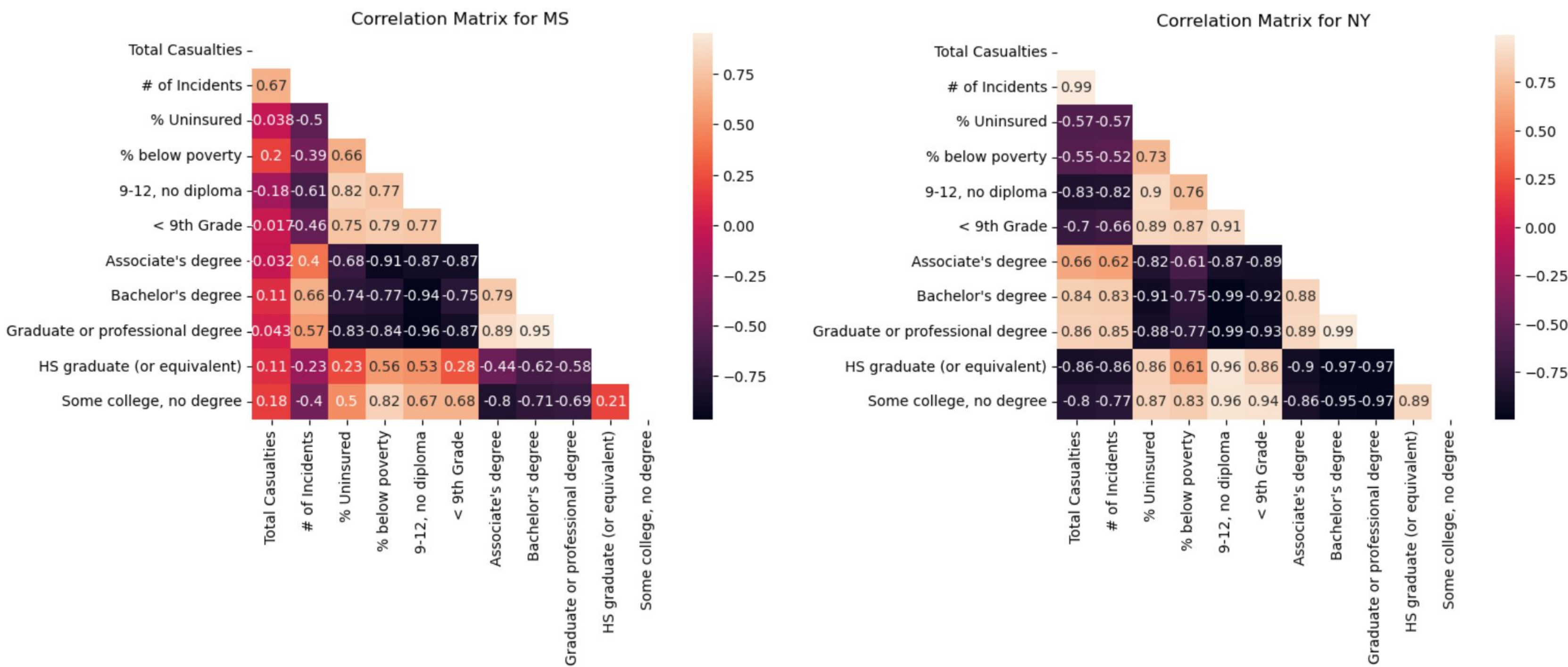


These events coincides with surges in serious mental illness cases in portions of the population. This is most notable in the central US.



Both Frequency and number of Casualties have been steadily climbing over the last decade. With particularly explosive growth in the last two years.

This project specifically examines state-level yearly data on poverty, uninsured, and educational attainment percentages. In addition, measures of illegal substance use, firearm ownership rates and counts of serious mental health cases are taken into consideration.



Correlation matrices of highly urbanized and wealthy states tend to differ from rural ones. Casualties and number of incidents also appear to be reasonably correlated with higher levels of education.

Links to all reference data can be found at:
<https://github.com/kevinramirez723/school-shootings-analysis>