

1. [Link to video](#)
2. Mass Shootings in the U.S. in the Last Fifty Years.
3. I chose a scatter plot to show a timeline and the relationship of the frequency of fatalities as a result of mass shootings in the U.S. in the last fifty years. I included a selector so the viewer can explore the data from one state and compare it to another. The viewer can also extend upon the data and compare states with higher mass shooting frequencies with its gun laws and gun ownership rates. For the race of the shooters, I chose a pie chart as it helps organize the data and show percentages as a whole. This is for demographic purposes and could perhaps lend a discussion to socio-economic issues. I also put in a line graph that uses an ordinal x axis visually showing the number of shooters with prior signs of mental health issues to bring light on how that affects gun violence as well. I tried to lessen the ink-data ratio so as to not overwhelm the viewer, for example, editing the number of ticks in the x and y axes. Using different yet simple visualizations and the color encoding for triggers the viewer's preattentive processing so as they can get as much information from a glance as possible. Adding the selector that filters the data through each state triggers the viewer's attentive process so as to more closely analyze and compare the data between the different states.
4. I did not cut out the data so as to see trends and patterns of mass shootings in the U.S. in the past fifty years (half a century). The purpose of these visualizations is to facilitate awareness and understanding of the violence in America, and help raise new questions and supply answers, as well as generating insights. For example, this visualization provides mass shooting frequencies by state, through the years, the demographic data of the shooters and their mental health standing. These given statistics allow the viewer to explore other questions such as gun awareness, gun ownership, and gun laws in each state and how the frequencies of mass shootings compare, as well as the quality of mental health check ups and evaluations as a requirement for gun ownership. Ultimately, the visualization aims to show patterns of mass shootings and gun violence in the U.S. in the last fifty years to evoke reflectance on the state of America.