

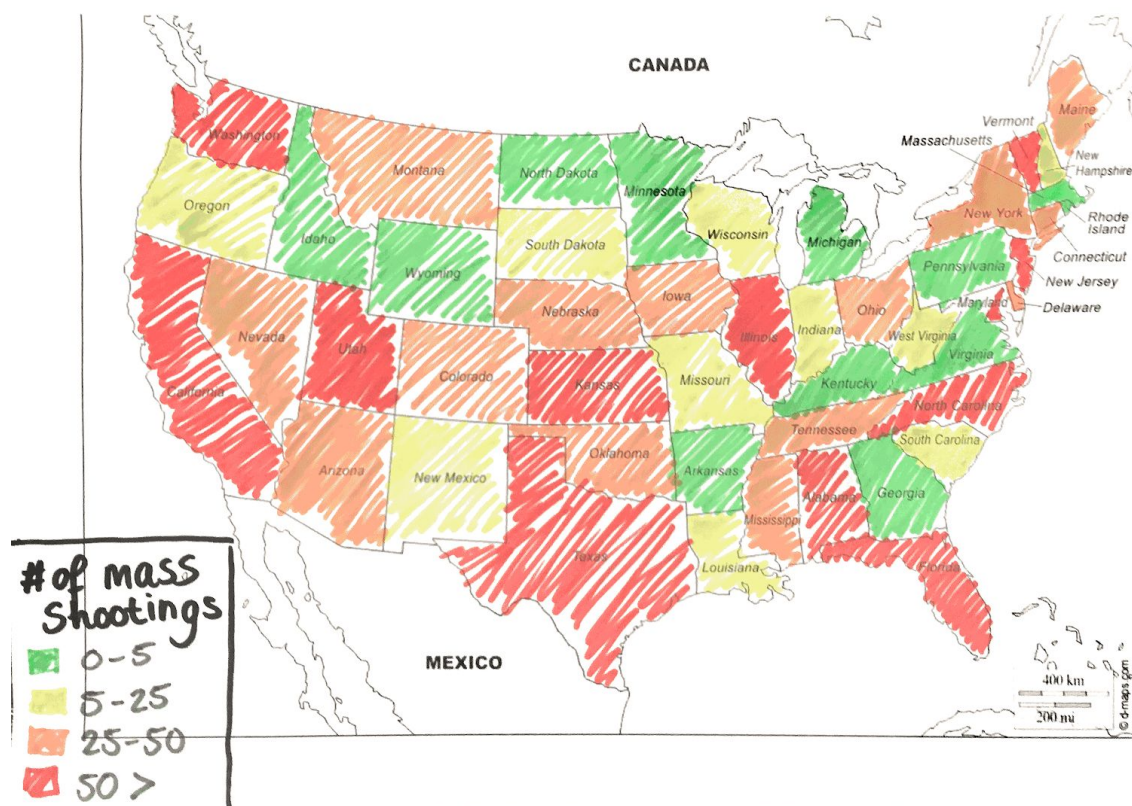
Design Progress Report 3

13 April 2018

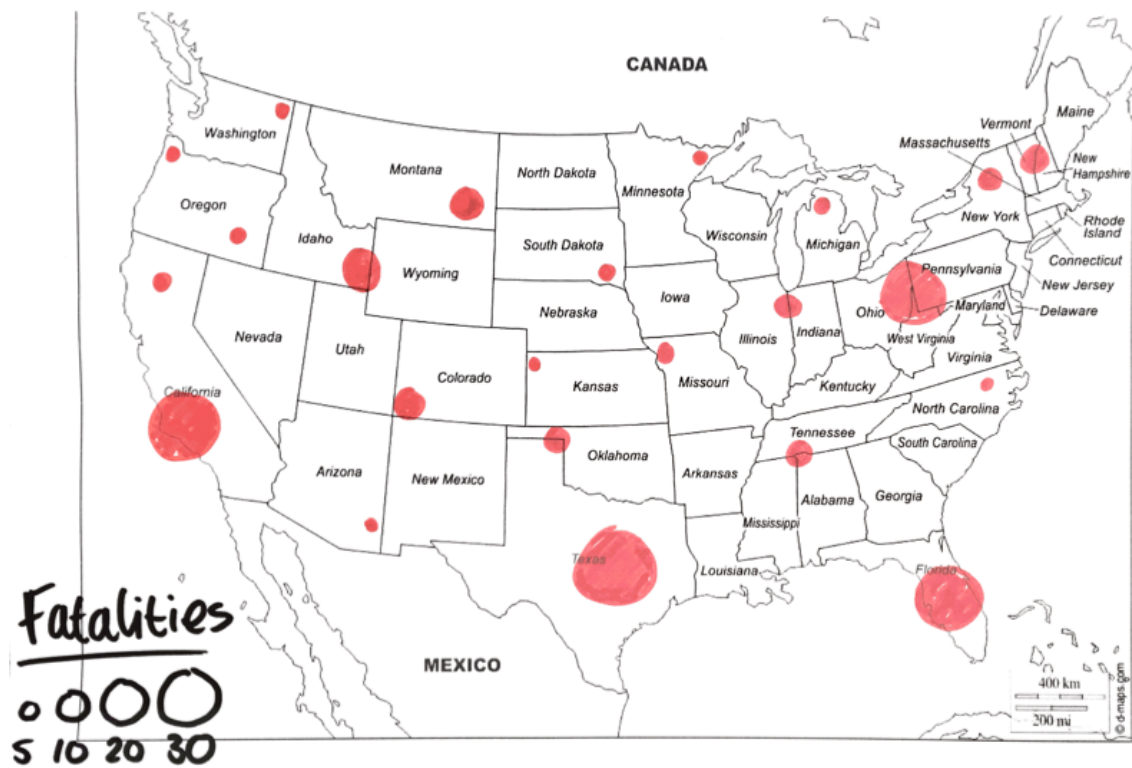
Data Processing Fall 2018

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- Prepare a concise document in which you show your progress, including the sketches and your story line.
- Push your progress document to GitHub, to a separate folder "Design".

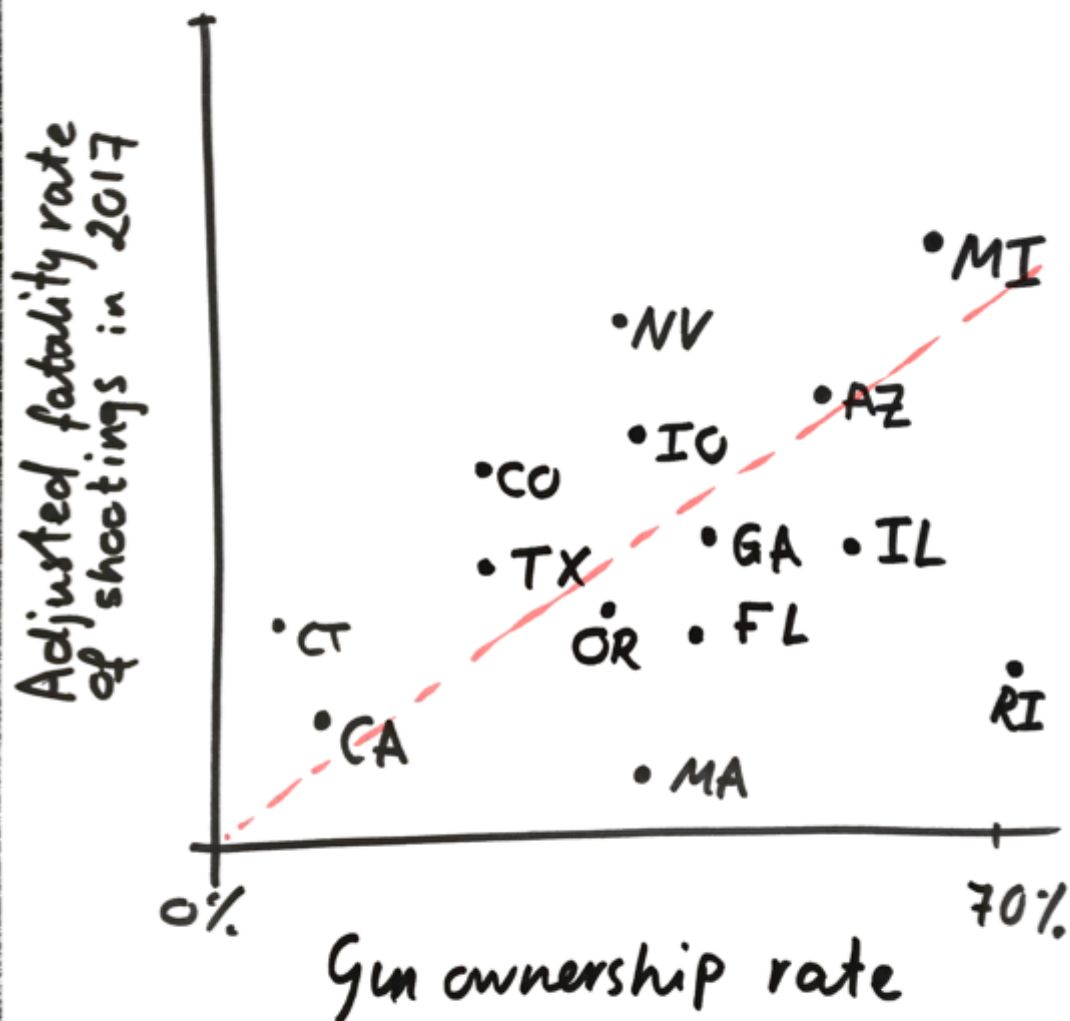


First we like to show the differences in each state with a heat map. The viewer gets a global impression of which states have more mass shootings than the other. With the next picture we would like to enhance this effect by actually assigning red dots to the map (see next picture).



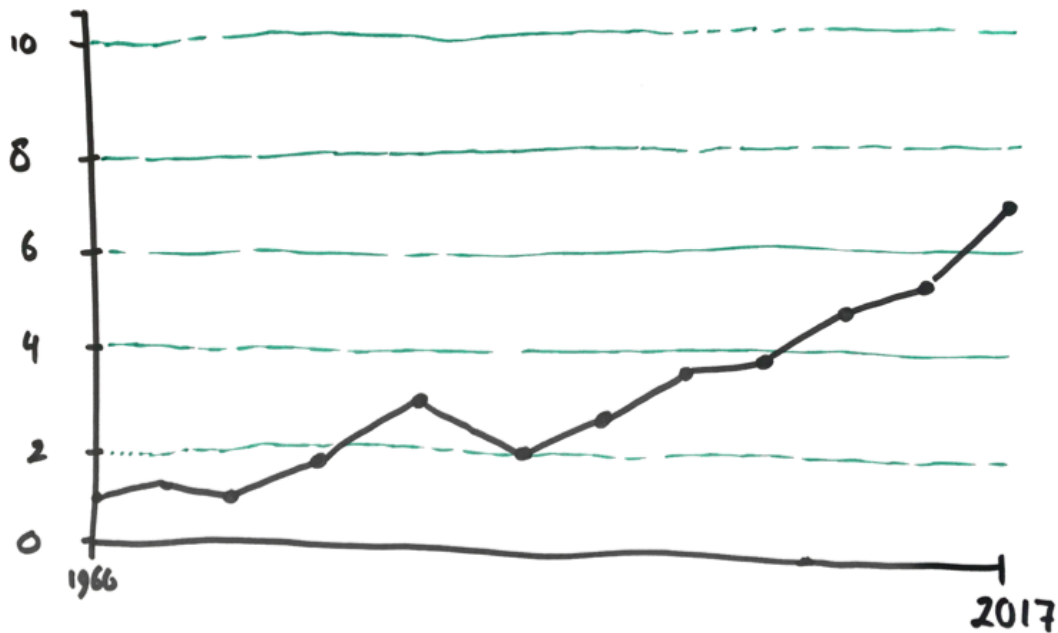
Here showing the number of fatalities and so showing the difference in fatalities and injured.

Scatter Plot of gun ownership rate
vs. fatality rate by state



Here showing a scatterplot to link gun ownership to fatality rate, introducing the transition to gun ownership.

Deaths in the US by gun violence (rate / 100.000 inhabitants)



Here we would like to compare the number of deaths before 1998 and after 1998. Since 1998 the Brady Handgun Violence Prevention Act has been active and From the inception of the NICS system in 1998 through 2014, more than 202 million Brady background checks have been conducted.^[21] During this period approximately 1.2 million attempted firearm purchases were blocked by the Brady background check system, or about 0.6 percent.^[22] The most common reason for denials are previous felony convictions (wikipedia, 2018).

https://en.wikipedia.org/wiki/Brady_Handgun_Violence_Prevention_Act

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