Proposal: Analysis of gun violence in various places over a timeline

Problem:
To analyze the occurrences of gun violence in or near places such as schools / universities / religious institutions over a timeline to assess the situation.

Dataset:
GVA data: https://www.gunviolencearchive.org. It contains gun violence incidents from 2014 to present. It lists date, state, address, injured/killed number and source of each incident. Other than that, we intend to try and scrape some additional data off news websites

Solution:
With the increasing amounts of gun violence incidents in the United States, we analyze the number of such incidents over a period of time that occurred in or near places such as schools / universities / religious institutions. We also look at the number of casualties and try to get a trend as how the frequency of these events has changed over the past few years.

To analyze the above data, we plan to visualize the following.
1. Number of gun violence incidents in different cities over time
2. Number of overall casualties due to gun violence incidents
3. Classification of locations where such incidents occur and its frequency
4. Classification of number of casualties in different locations over time

Project Steps:

	Step	Estimated Completion Time	Person(s) in charge
1	Extracting Data Set	One week	Sneh, Li-Kuo
2	Filtering Data Set	Two weeks	Sneh, Hao, Ke
3	Data Visualization	One week	Ke