**Gun Violence Dataset**

The Gun Violence Dataset project provides insight on shootings in the United States of America. It provides information on most, not all, incidents where firearms are involved between the years of 2014 to 2018. Information is limited due to missing data (I.e. data that was not collected or compiled in the following datasets. - 4 states missing, etc.)

The intention behind choosing this data frame is to enhance my knowledge on both topics: gun legislation in the United States and coding techniques that I will require as I become more familiar with the language. The data sheds light on areas and time frames where incidents occur, this can be used as a basis to understand the causation behind such incidents. Those can be built on-top off to create better graphs and models, which can provide an accurate presentation between correlating variables and possibly predict number of incidents that could occur in the future. This requires collecting more data and creating higher level graphs and predictive models using machine learning tools.

In the data collected, I was able to pinpoint which states and cities were most affected by gun violence and which year and month had the highest number of incidents. This all helps with forecasting and providing further knowledge on the topic. Specific numbers and statistics were recorded and written in both the readme file as well as the actual notebook itself.

Ultimately, what I aim to achieve in this assignment is to learn how to integrate different datasets that could hold some relational value with the one I have just compiled. But I would also like to enhance my knowledge and create interactive graphs (I.e. heatmaps through seaborn, bokeh, etc.). Finally, I would attempt to apply some machine learning techniques in order to predict number of incidents that could occur in certain areas. Such information can be invaluable in saving someone’s life.