GUN VIOLENCE

December 13, 2022

## Project Background and Description

This project will determine which states of the US experience frequent mass shootings over a period of time, and the impact it has on the overall death toll. We will also investigate the death toll of teens and children separately.

## Project Team

Group 3 (Marisa, Anshuman)

## Research Questions

1. Finding the severity and frequency of mass shooting from 2014 to 2019.

* To produce state and year wise mass shooting report.
* How frequently mass shooting occurs in each state, highlighting highest and lowest.
* Determine severity of these shooting based on casualties i.e deaths+injured.

1. Which states have more injured / killed children and teens due to gun violence?

* To produce report on which state has accounted for the highest number of children and teens casualties.
* How frequent gun violence affects children and teens.
* Determine severity of these shooting based on casualties i.e deaths+injured for children and teens

## Data Source

<https://www.kaggle.com/datasets/gunviolencearchive/gun-violence-database>

3 csv files:

* Mass\_shootings\_2014, 2015, 2016.

<https://www.gunviolencearchive.org/charts-and-maps>

7 csv files:

* Mass\_shootings\_2017, 2018, 2019.
* Children-injured
* Children-killed
* Teen-injured
* Teen-killed

## Breakdown of Task

1. Create repository on Github for resources and deliverables.
2. Extract data from CSV files.
3. Data transformation will be performed using Pandas Data Frame.
4. Transformed data will be loaded into Postgress DB.
5. Report will be produced and uploaded into Github.

BONUS: If time allows, produce some data visualisations and deploy the findings to a publicly accessible html via Github.