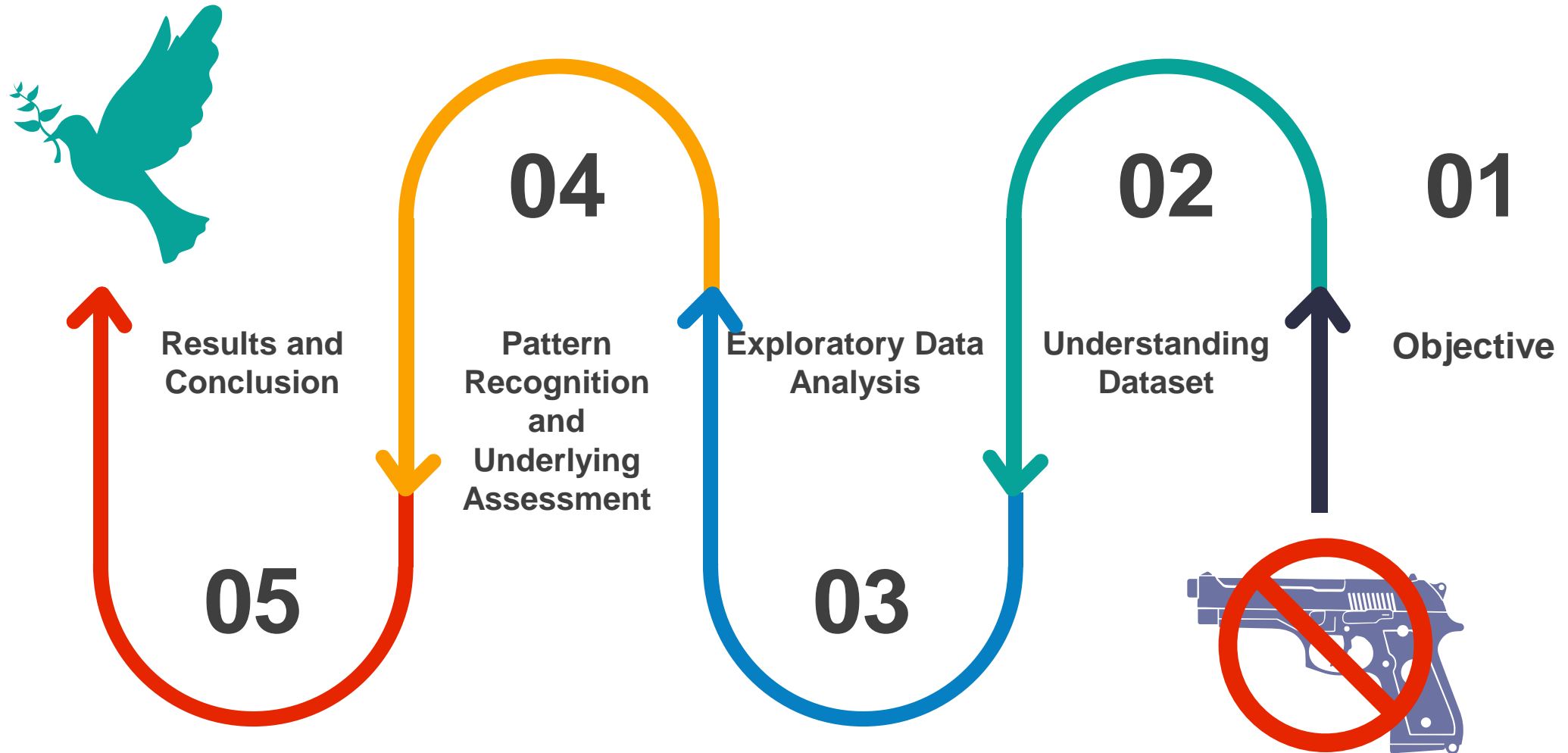


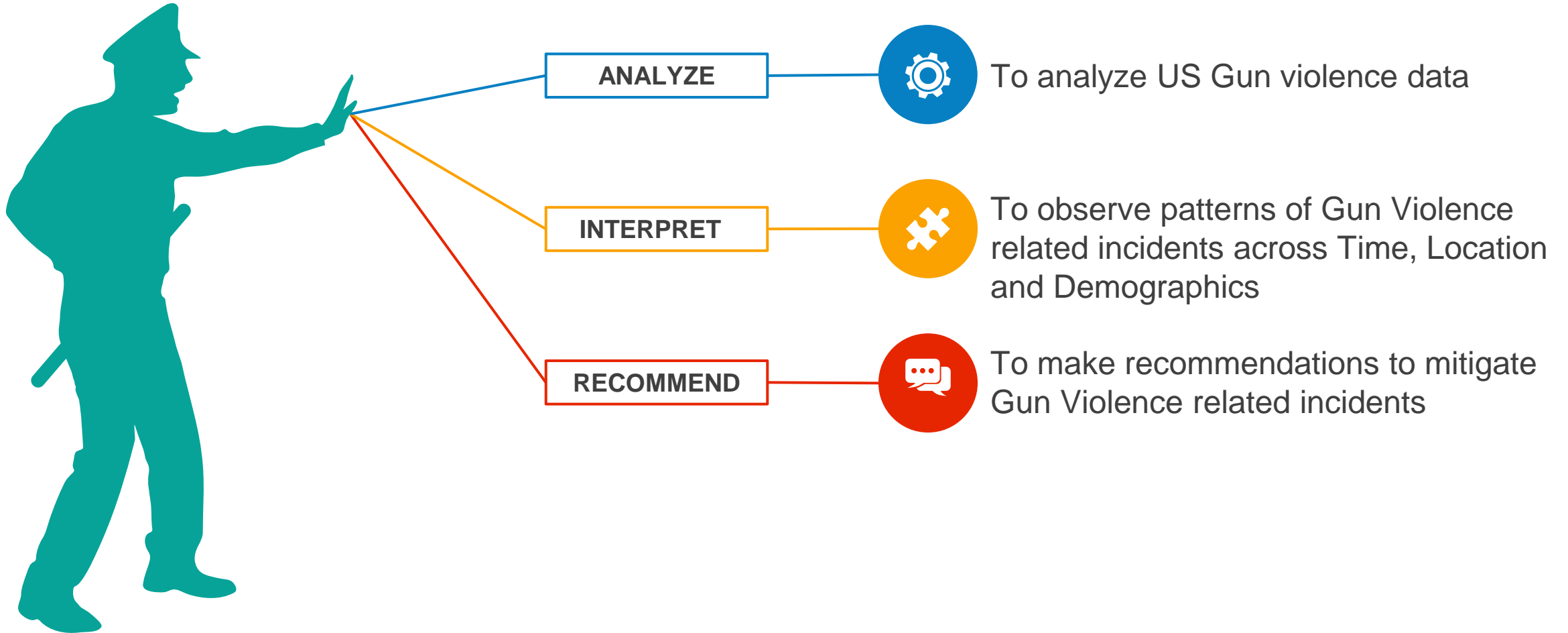
# GUN VIOLENCE IN U.S.



# Agenda



# Objective





# Dataset

- ❑ Data was taken from the Gun Violence Online Archive (GVA) of incidents collected from over 2,000 media, law enforcement, government and commercial sources daily.
- ❑ Data gathered over a period 5 years spanning through Jan 2013 to Mar 2018
- ❑ Approximately 165 MB of data in CSV file
- ❑ More than 230,000 records across 37 columns
- ❑ Records were cleaned and consolidated into one single csv file for analysis
- ❑ Tableau and R were used for analysis



# Exploratory Data Analysis



# Recorded Incidents By Year



There is a rising trend in the number of Gun Violence Incidents each year

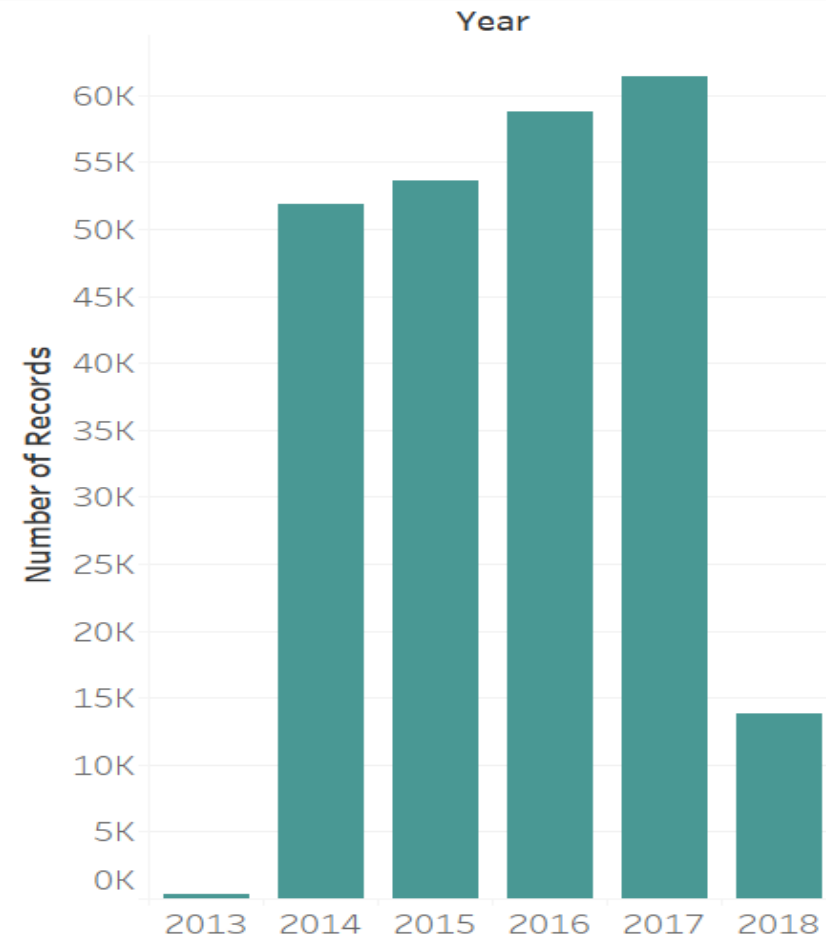


Year 2013 has the least number of Incidents



Year 2018 is explained by the fact that dataset ends at March 2018

Record of crime year wise



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# Recorded Incidents By Months

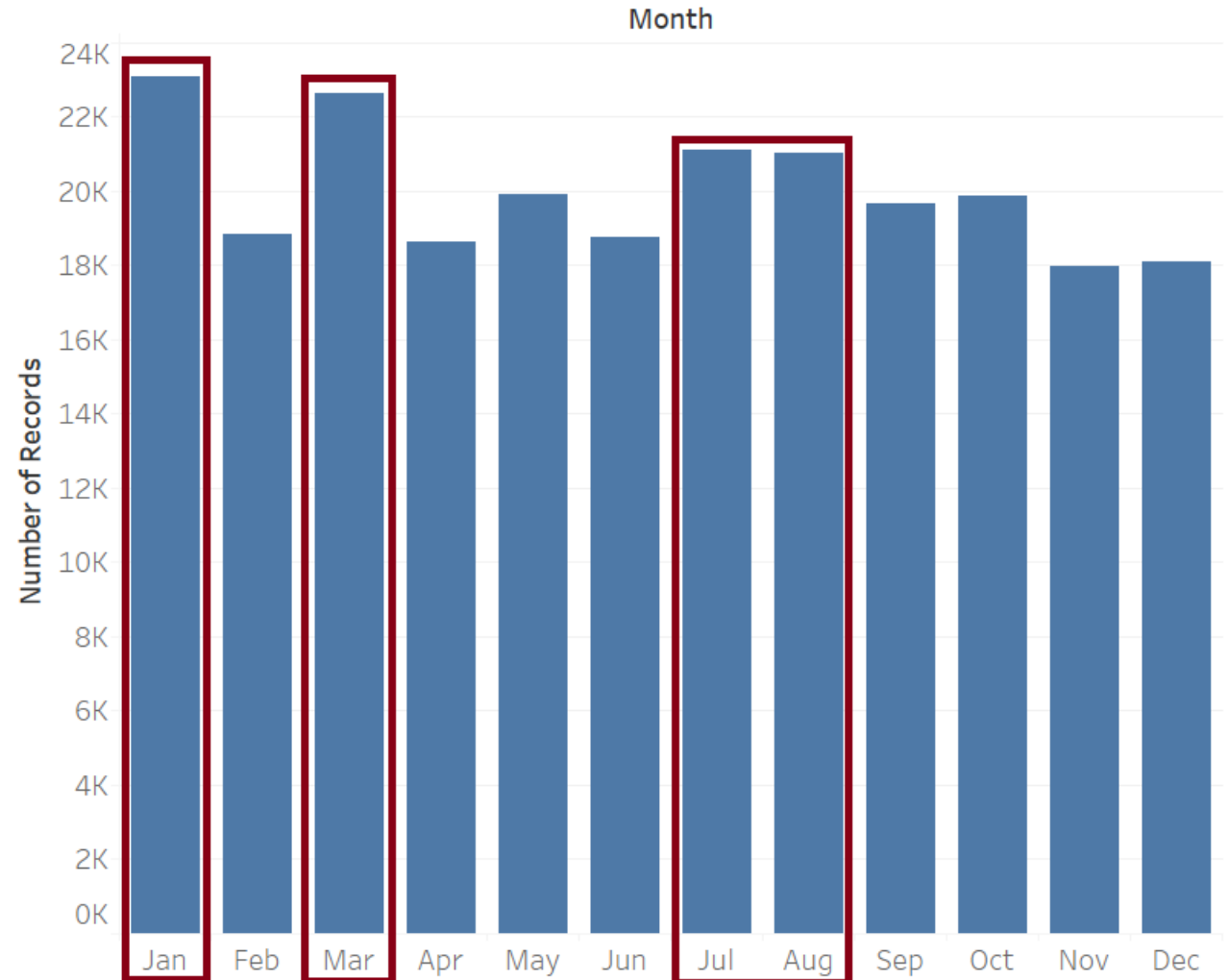
<Month wise records>



Months with highest number of incidents are January, March and July.



The least number of incidents occur in the months of November and December.



# Recorded Incidents Across Days



Clearly more incidents take place on weekends

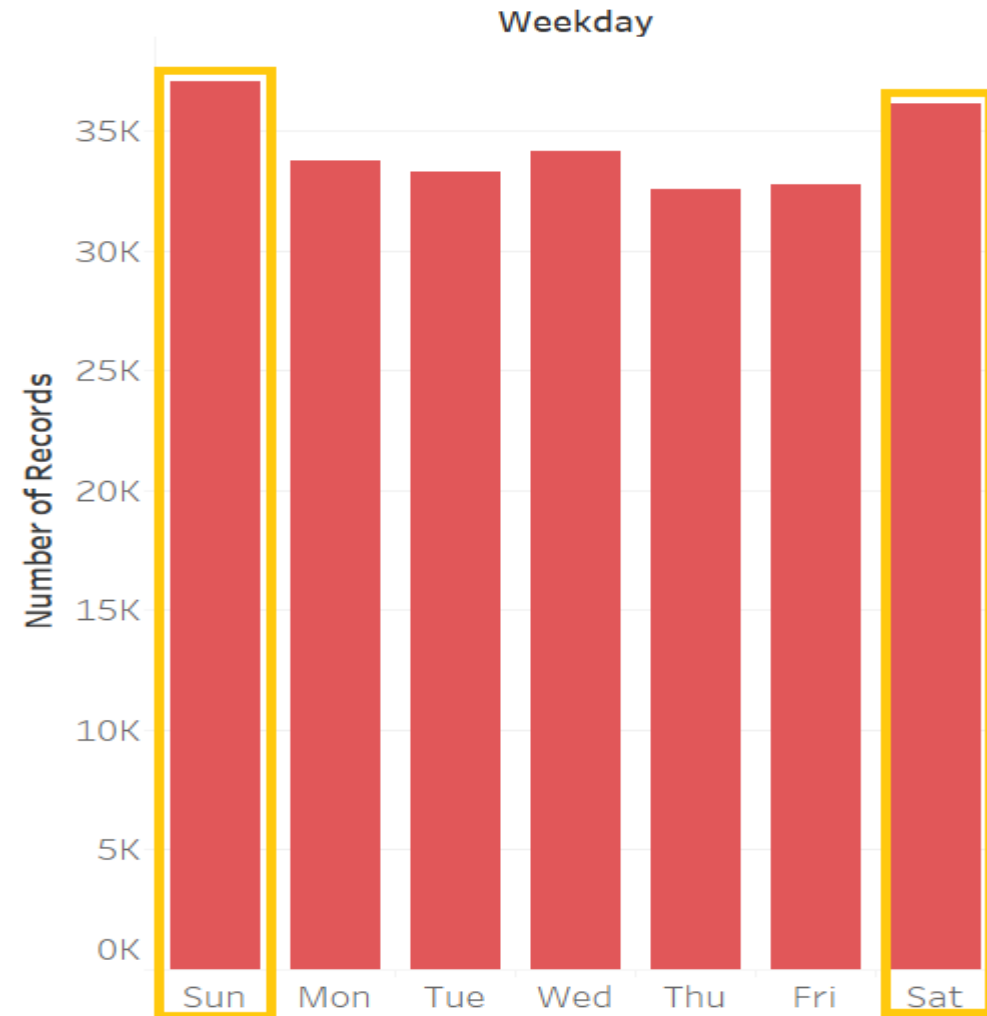


Wednesdays shows slight spike in Gun Violence related incidents



Least number of incidents occur on Thursdays

Day wise



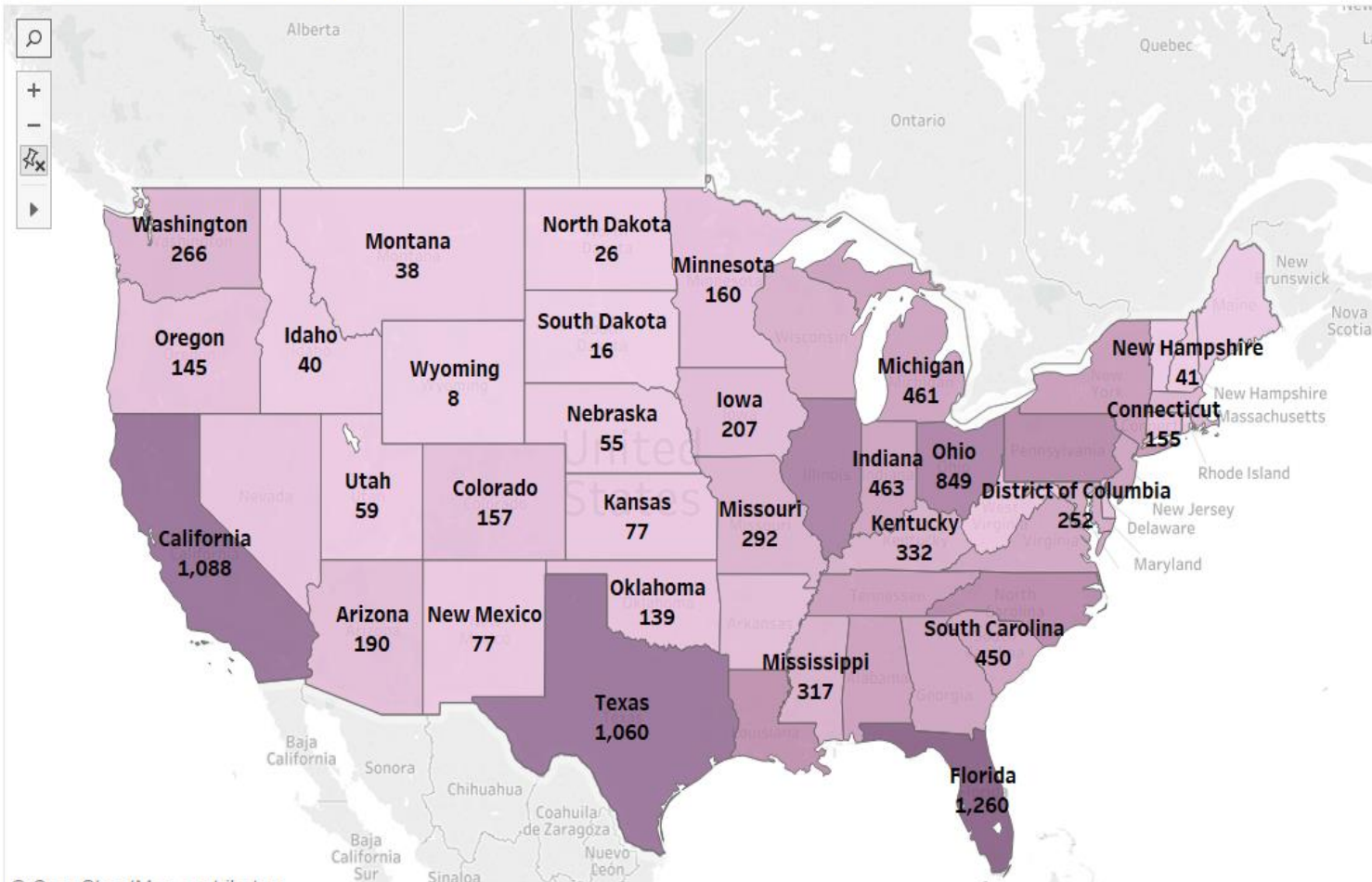
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# Recorded Incidents Across States

Number of Incidents by State



Highest Number of incidents are recorded in Florida, California and Texas States



Least number of incidents are recorded in Wyoming, South Dakota and North Dakota.

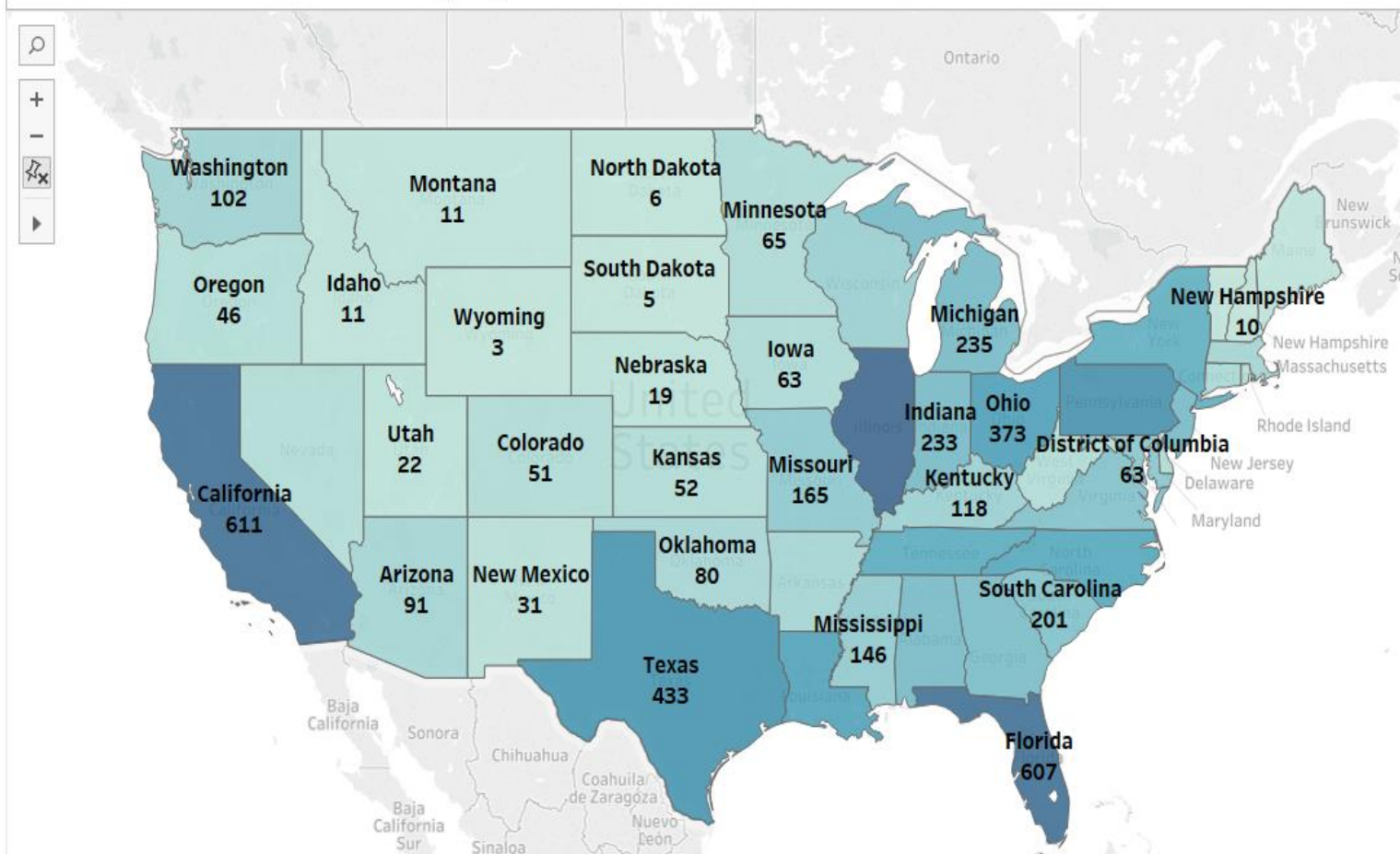


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# Recorded Injuries Across States

Gun Violence Related Injury Across State



Highest Number of injuries are recorded in Illinois(655), California and Florida States



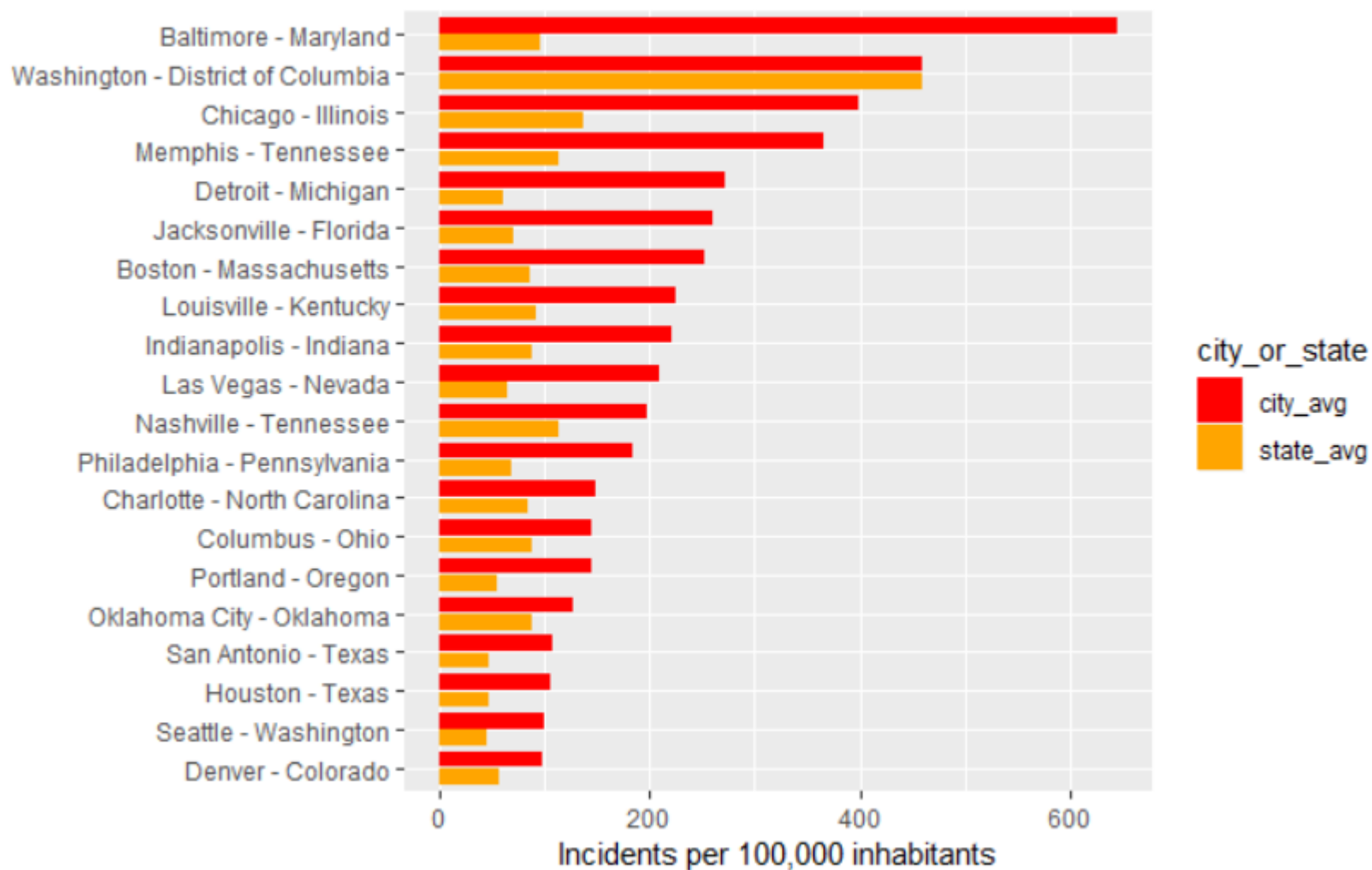
Least number of injuries are recorded in Wyoming, South Dakota and North Dakota.



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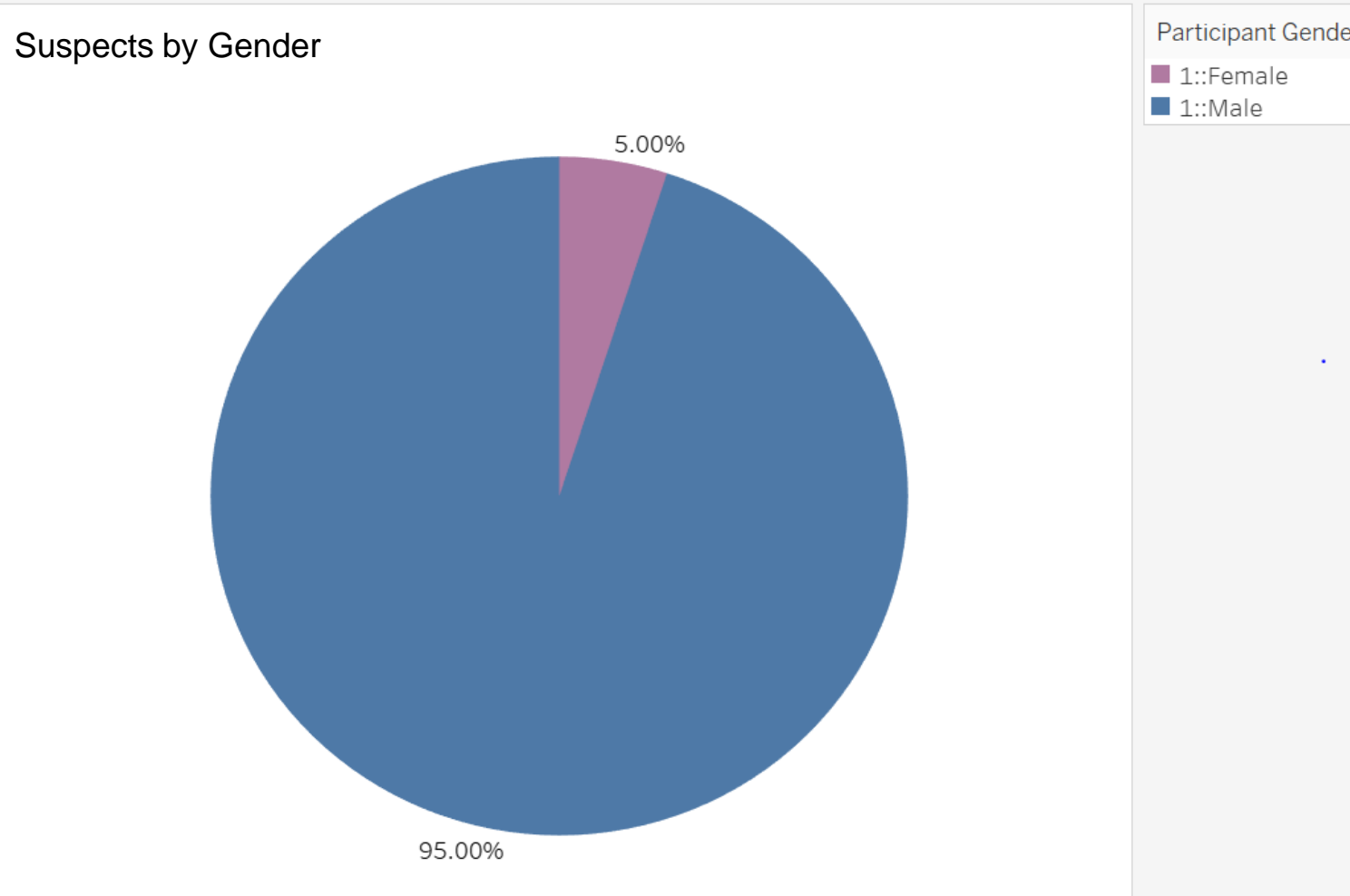
# Incidents relative to the City population size



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# Recorded Suspects and Their Gender



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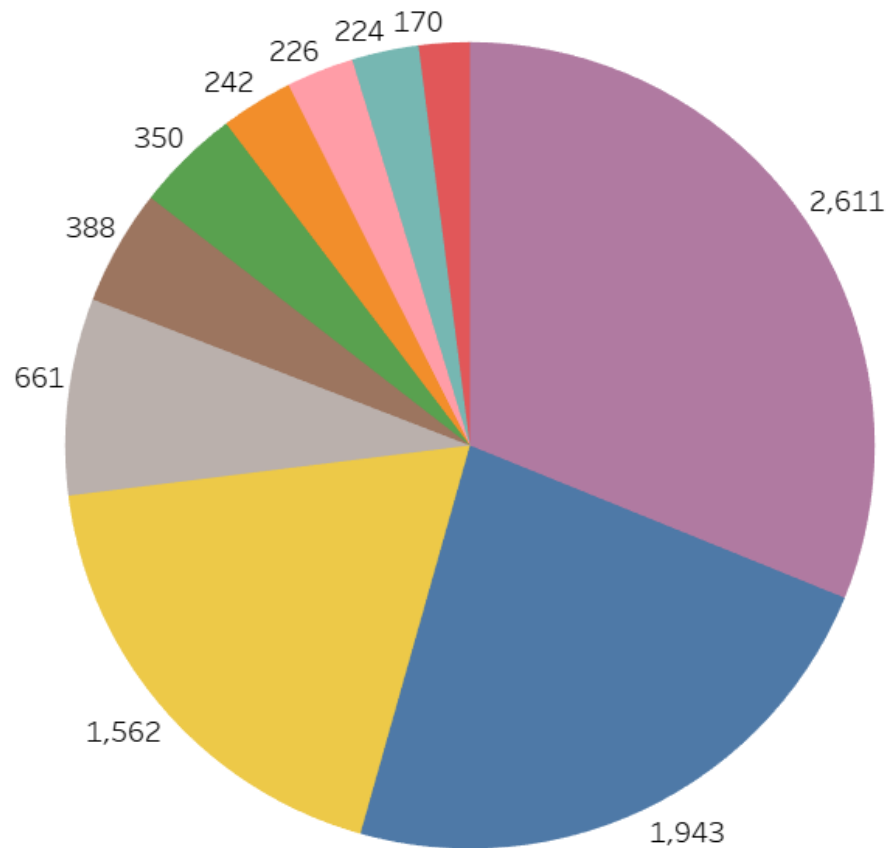


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# Top 10 Categories of Incidents

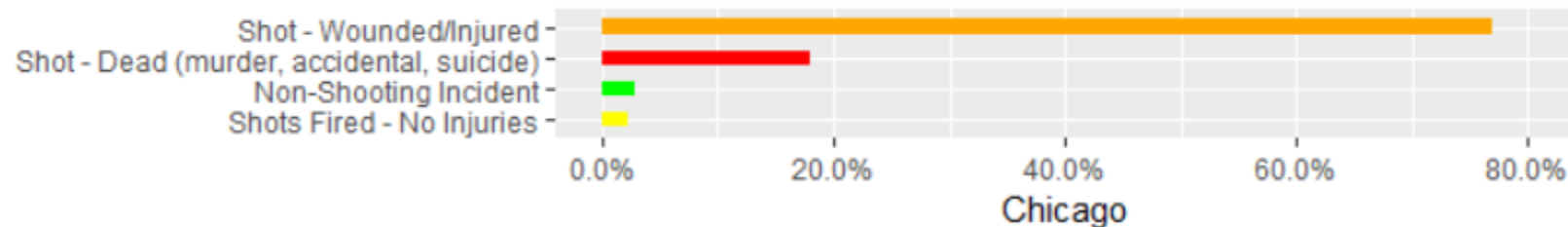
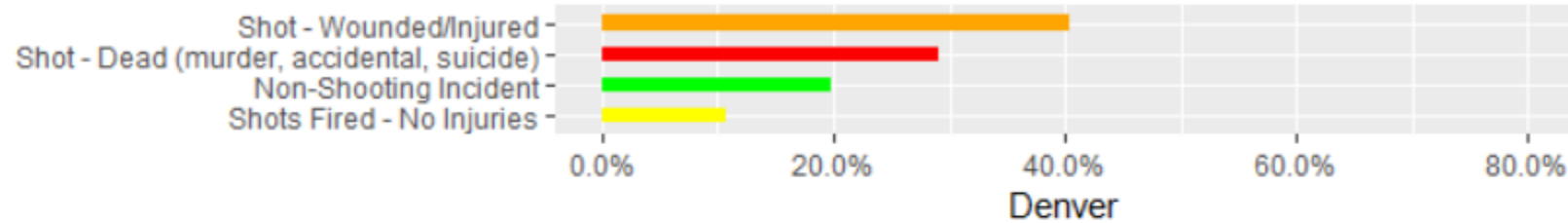
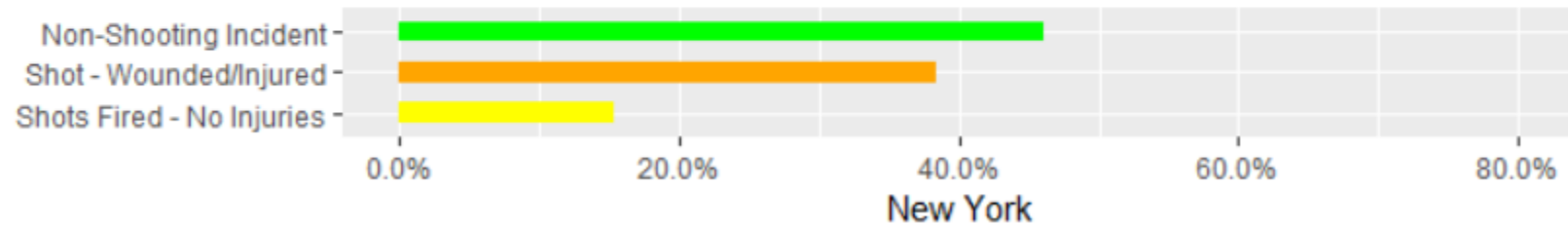
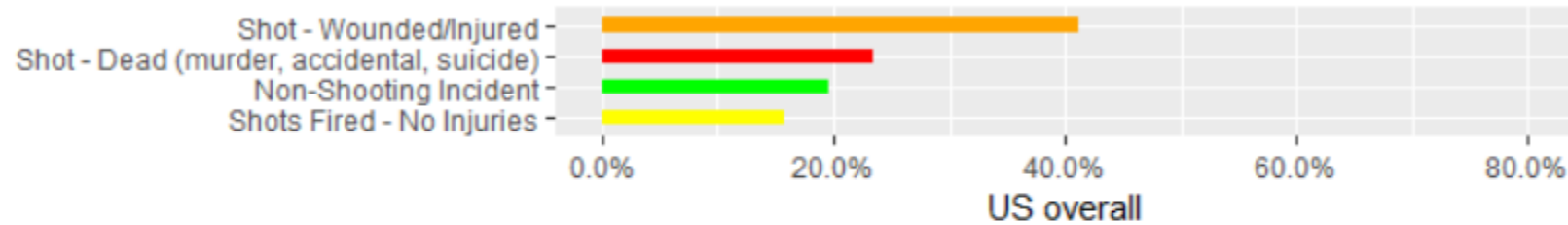
Incident Characteristics



Incident Characteristics

- Shot - Wounded/Injured
- Armed robbery with injury/death and/or evidence..
- Shot - Dead (murder, accidental, suicide)
- TSA Action
- Shots Fired - No Injuries
- Possession (gun(s) found during commission of..
- Armed robbery with injury/death and/or evidence..
- Shot - Wounded/Injured||Brandishing/flourishi..
- Brandishing/flourishing/open carry/lost/found
- Armed robbery with injury/death and/or evidence..

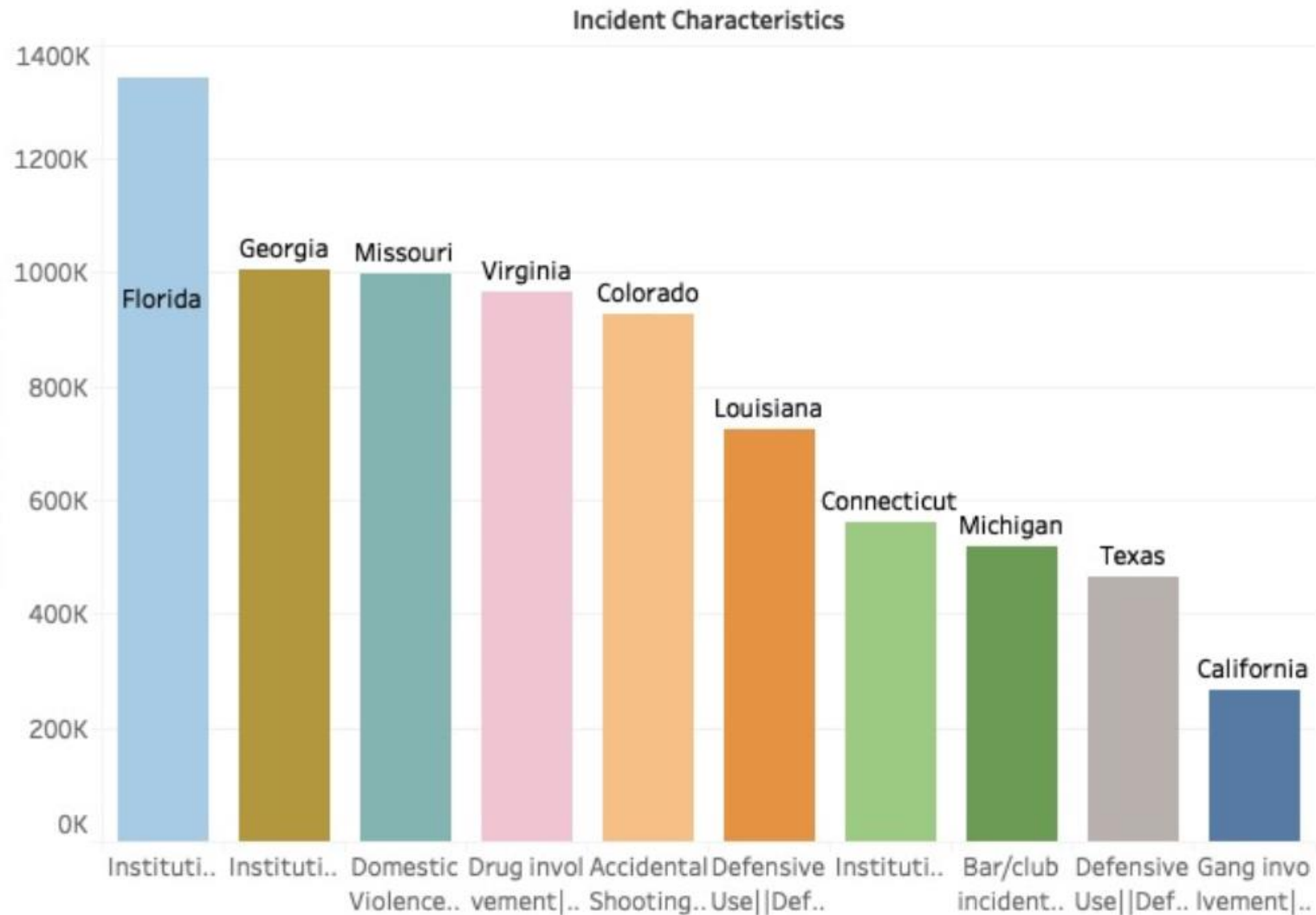
# Comparing the main incident categories by city



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# Recorded Incidents of Gun Violence under Drug and Alcohol Influence.



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# Recorded Incidents of Gun Violence under Drug Involvement

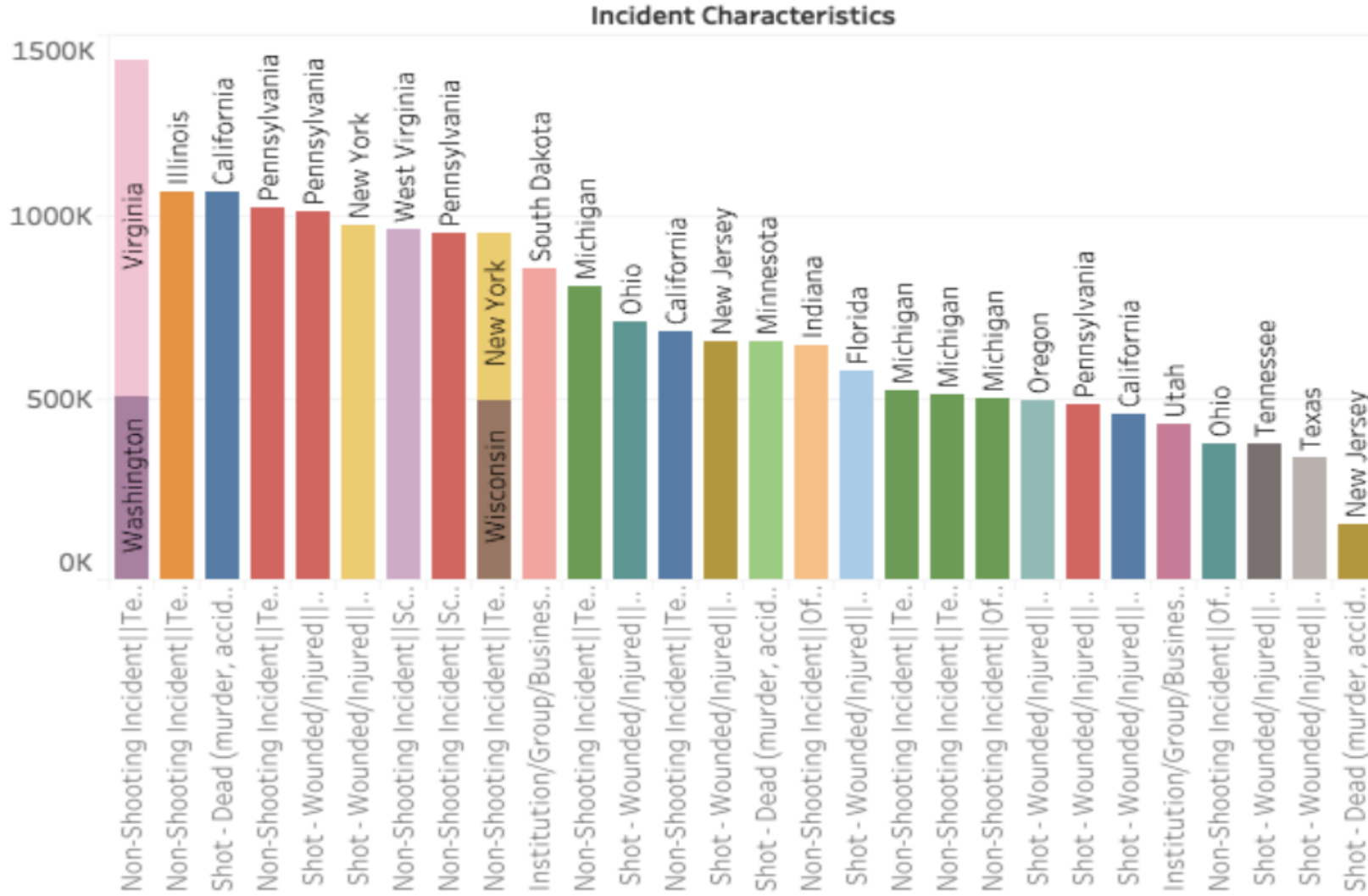


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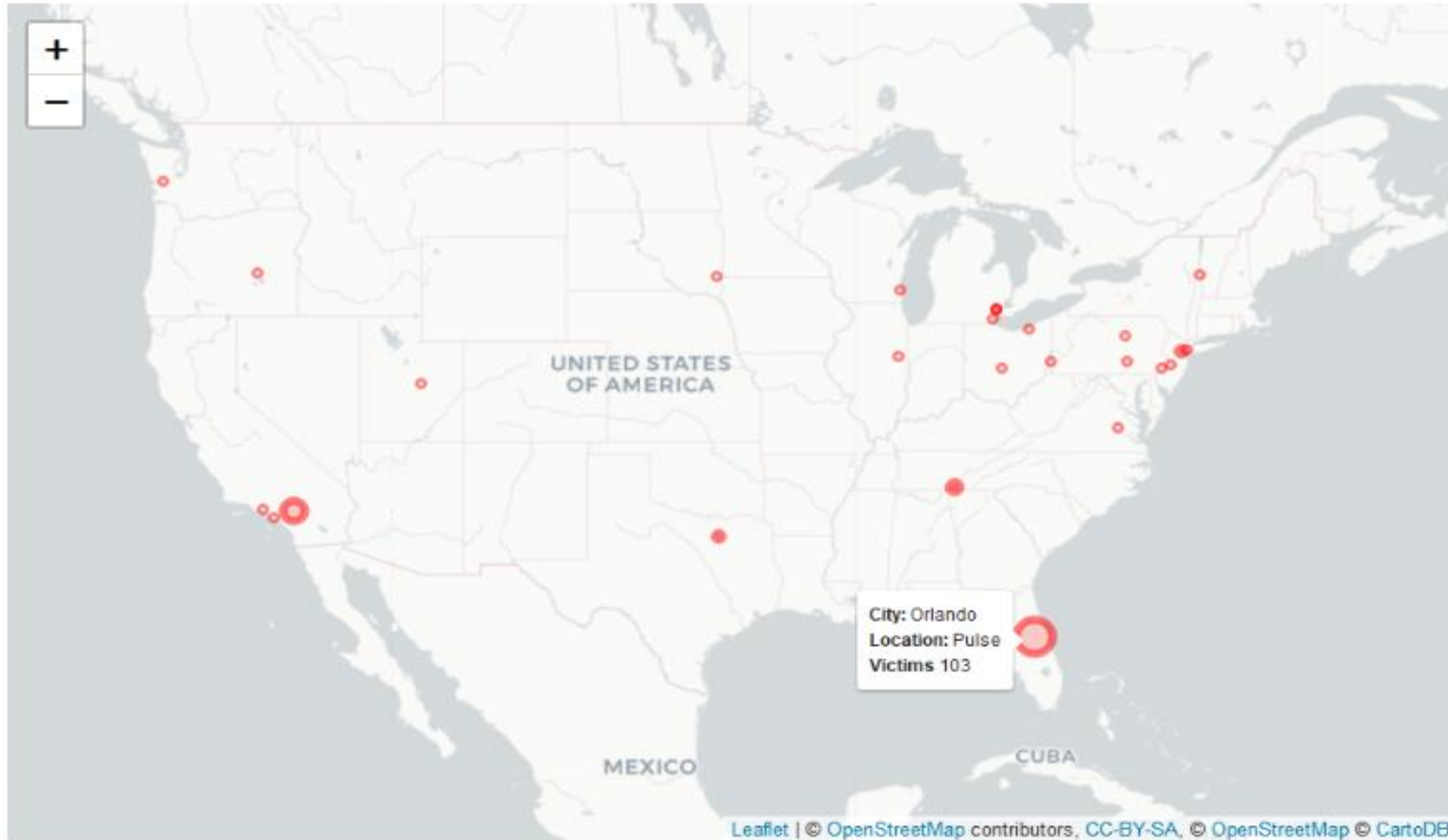
# Gun Violence related to Terrorism



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# Recorded Incidents of Gun Violence related to Terrorism



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# Recorded Incidents of Gun Violence under Gang Involvement



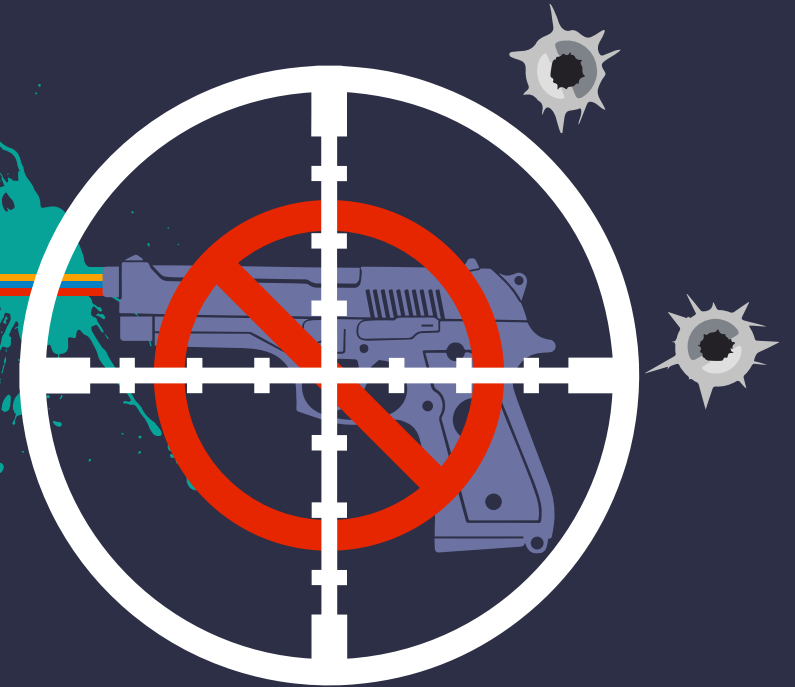
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# Conclusion

- The main reasons for gun violence are terrorism, alcohol under influence and drug involvement.
- Florida, California and Texas were the states with most cases.
- Illinois was the most dangerous city according to this category.
- Laws should be made strict especially in these regions.

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DON'T  
LET GUNS RULE!



Thank You