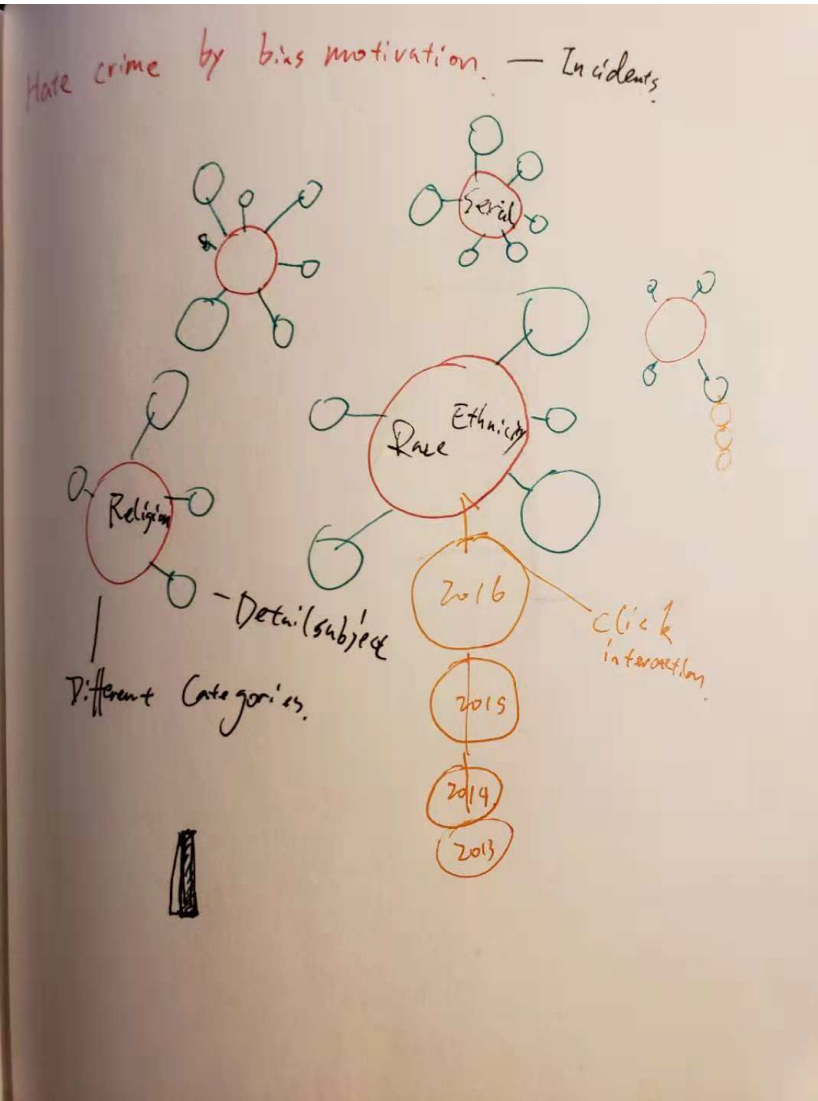


# Proposal 1



## Hate crime by bias motivation 2014-2017

Data Source:

United States Department of Justice, Federal Bureau of Investigation. (November 2018). Hate Crime Statistics, 2017. Retrieved (insert date), from (<https://ucr.fbi.gov/hate-crime>).

<https://ucr.fbi.gov/hate-crime/2017>

<https://ucr.fbi.gov/hate-crime/2016>

<https://ucr.fbi.gov/hate-crime/2015>

<https://ucr.fbi.gov/hate-crime/2014>

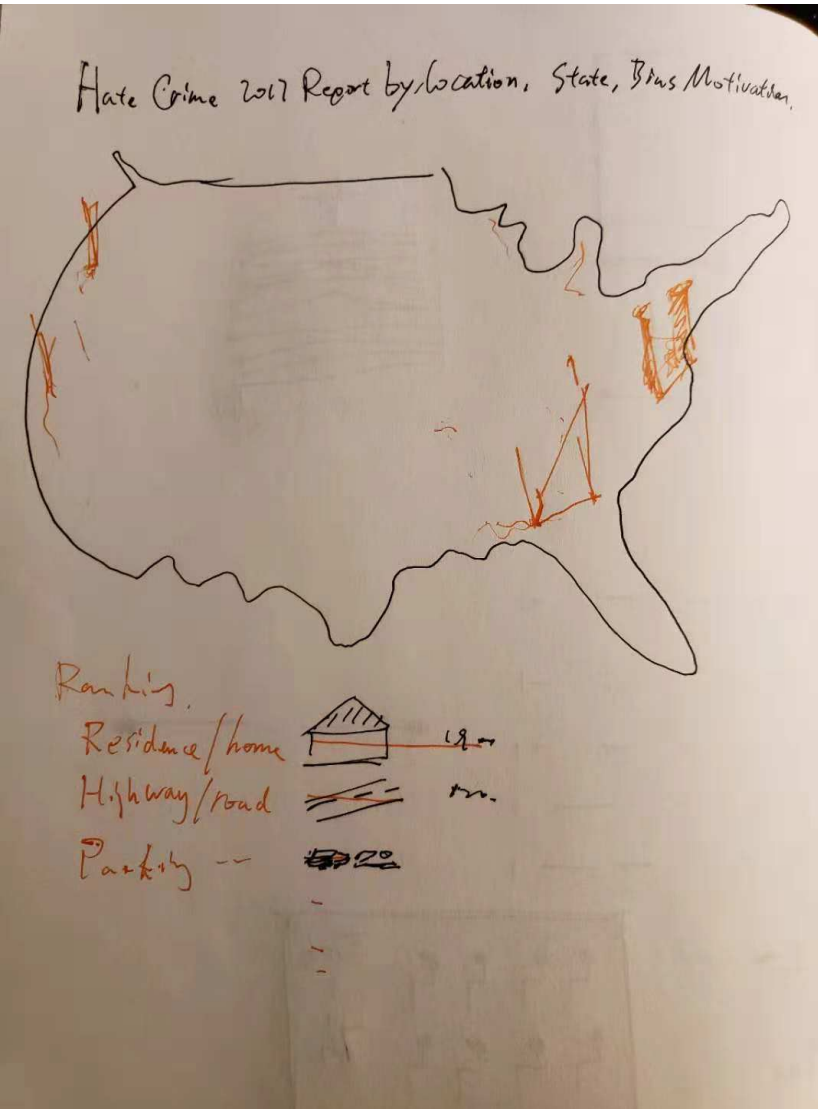
## Description:

FBI UCR program publishes USA Hate Crime Statistics every year. After looking through the data, I find it very unsettling that there was a sharp increase of hate crime cases in 2017. It is not hard to connect this increase to the political climate of 2017. But through researching, clearer answers will be revealed. It is crucial for everyone to be aware of this information. I am planning to visualize the trends of the incidents of hate crime by bias motivation from 2014-2017 in detail to examine and help people understand this issue.

## Next Step:

1. Clean and convert the excel data sets to CSV files.
2. Test and visualizing the data.

# Proposal 2



## Hate crime 2017 report by location, state, bias motivation

Data Source:

United States Department of Justice, Federal Bureau of Investigation. (November 2018). Hate Crime Statistics, 2017. from (<https://ucr.fbi.gov/hate-crime>).

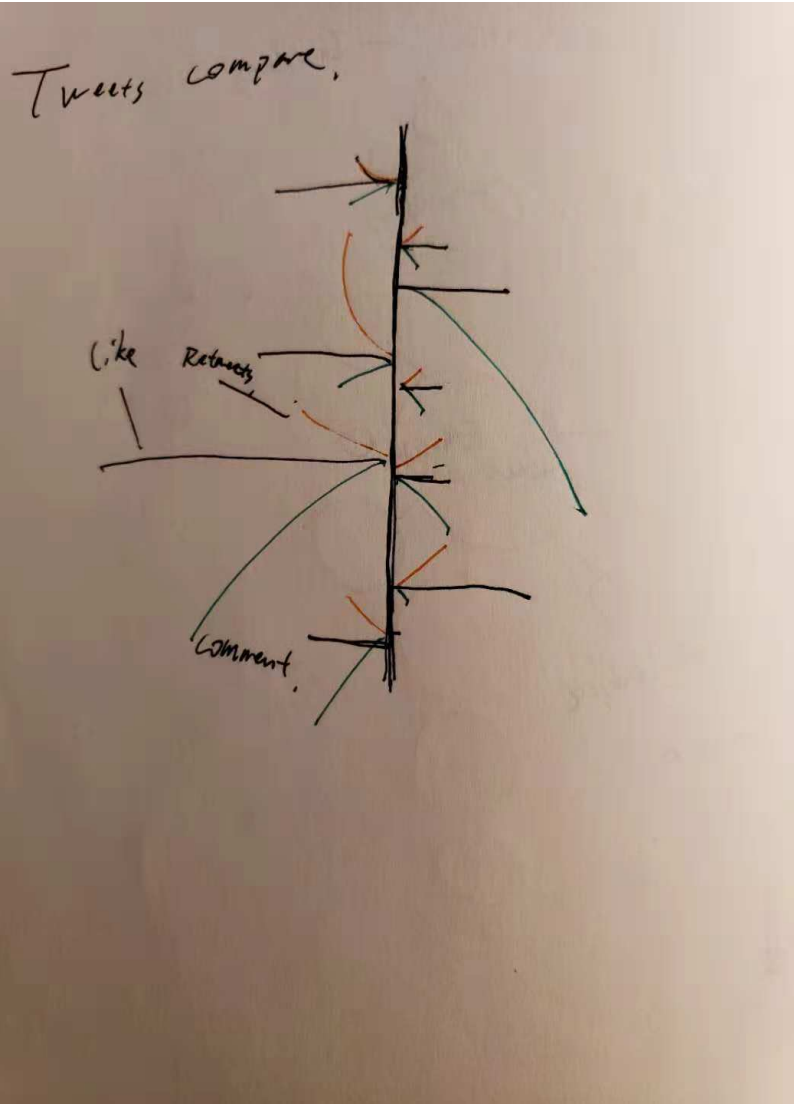
## Description:

In 2017, the number of Hate Crime incidents rose rapidly. Through studying the Hate Crime Report by location and State information, I could understand and analyze the issue from a geographical perspective. I also plan to coordinate extra datasets, such as the proportion of political tendency, population by state, religion by state and LGBTQ population by state, into my visualization.

## Next Step:

1. Clean and convert the excel data sets to CSV files.
2. Test and visualizing the data.

# Proposal 3



## Real time Tweets popularity compare between famous individuals and traditional media.

Data Source:

<https://developer.twitter.com/en/docs>

### Description:

Social media has changed the way we receive information and communicate with others or even the rest of the world. Everyone of us today has a chance to make an impact in a way that our ancestors could not dream of. In order to study and compare the scope of influence on social media between individuals and traditional media, I aim to make a live visualization interface to compare the tweets popularity between famous individuals and organizations, through the help of Twitter API. For instance, I can compare the tweets from Donald Trump and New York Times, by looking at the number of their follower, retweets, likes, comments.

### Next Step:

- 1: applying for Twitter API access.
- 2: test and visualizing the data