**Bar/Wine Shop Crime Relationship**

**2. Data Sources**

**2.1 Kaggle**

I found the San Francisco crime data from Kaggle a .csv file which has verious necessary features which require to analize such as crime location , type of crime , etc. Other Features in data sets are : -

1. **Dates** : The time on which crime was commited.
2. **Category** : Type of crime commited.
3. **Description** : Crime details.
4. **PdDistrict** : Comes under which district police department.
5. **Address :** Location of crime.
6. **X and Y** : Coordiantes of crime.

**2.2 Folium**

I utilized the Foursquare API to explore the neighborhood and find the no of Bar / Wine shop present in that neighborhood. I designed the limit of radius 500 meter for each neighborhood from their given latitude and longitude informations. After cleaning the data the important features are present in data sets are :-

1. **Neighborhood** : Name of neighborhood.
2. **Neighborhood Latitude and Longitude** : Coordinates of neighborhood.
3. **Venue :** Name of Bar / Wine shop venue.
4. **Venue Latitude and Longitude** : Coordiantes of Venue.

**2.3 sfcrimedata.org**

To find the frequency or rate of crime per neighborhood I use the sfcrimedata.org which have detail crime report for each neighborhood. After processing the feature in datasets present are : -

1. **Neighborhood :** Name of neighborhood.
2. **Crime Rate :** No of crimes commited per neighborhood.