**Introduction/Business Problem**

A Martial Arts Teacher wants to set up his training centre in San Francisco . He wants to set his office in the location where the crime rates are high(as people would be more willing to learn martial arts) and also in the locality where people visit more often like places near restaurants, gym’s etc.

So In order to solve this problem we will be taking the following steps:¶

1.Taking the data base from police and checking which area has high crime Rates.

2.Then using our fourSquare API we will determine the best neighbourhood.

Downloading the data

To provide the information to the customer I have Taken the data from San Francisco Police database . It contains all the data of theft in San Francisco with Latitude and Longitude which is helpful in creating a clean structured data.

Link: <https://s3-api.us-geo.objectstorage.softlayer.net/cf-courses-data/CognitiveClass/DV0101EN/labs/Data_Files/Police_Department_Incidents_-_Previous_Year__2016_>

**Libraries and API used**

1. Pandas
2. Numpy
3. Geopy
4. Matplotlib
5. Requests

API: - Four Square API

Result and Conclusion

Using the API we can determine the best Location for our Customer to Set Up his/her martial art class.