**Data Analytics Bootcamp project:**

**scope of your research**

Analysis of crime trends in 2016, 2017 and 2018 in San Francisco.

**O Project Title**

Crime Data Analysis in San Francisco

**O Team Members**

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**O Project Description/Outline**

Looking at crime trends in the city of San Francisco using the Police Department Incidents Report.

**O Research Questions to Answer**

1. Compare crime trends in San Francisco in 2016 , 2017 and 2018.
2. Seasonal trends – monthly/weekly
3. Peak hours for crimes
4. Neighborhoods more prone to crime
5. Most prevalent crimes
6. Resolution comparison on neighborhood and category of crime

**O Data Sets to be Used**

<https://data.sfgov.org/Public-Safety/Police-Department-Incidents-Current-Year-2018-/956q-2t7k>

**O Rough Breakdown of Tasks**

1. Extracting data using APIs/ Sodapy.
2. Data cleaning and munging using Pandas- finding dimensions/binning/grouping/data metrics
3. Plotting various data points using Matplotlib, Seaborn and CartoDB
4. Write down an analysis of the findings