Project Proposal

2020 Vision

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Sanfrancisco-Crime-Dataset This Problem Data set of San Francisco Contains information about the crime in San Francisco, We are going to analyze the data, Visualize the data using folium maps for geographical understanding. In other words It is called Geo spatial Mapping. This Problem is the final assignment for Coursera and IBM's Data Visualization Course.

some facts The overall crime rate in San Francisco is 151% higher than the national average.

For every 100,000 people, there are 18.86 daily crimes that occur in San Francisco.

San Francisco is safer than 5% of the cities in the United States.

In San Francisco you have a 1 in 15 chance of becoming a victim of any crime.

The number of total year over year crimes in San Francisco has not changed.

In recent years, San Francs

RQ: What factors will allow the general population of San Francisco to be safest from local crime?

Hypotheses:

```
glimpse(sanfrancrime)
```

```
## Rows: 150,500
## Columns: 13
## $ IncidntNum <chr> "120058272", "120058272", "141059263", "160013662", "160...
## $ Category   <chr> "WEAPON LAWS", "WEAPON LAWS", "WARRANTS", "NON-CRIMINAL"...
## $ Descript   <chr> "POSS OF PROHIBITED WEAPON", "FIREARM, LOADED, IN VEHICL...
## $ DayOfWeek  <chr> "Friday", "Friday", "Monday", "Tuesday", "Friday", "Frid...
## $ Date       <chr> "01/29/2016 12:00:00 AM", "01/29/2016 12:00:00 AM", "04/...
## $ Time       <time> 11:00:00, 11:00:00, 14:59:00, 23:50:00, 00:30:00, 21:35...
## $ PdDistrict <chr> "SOUTHERN", "SOUTHERN", "BAYVIEW", "TENDERLOIN", "MISSIO...
## $ Resolution <chr> "ARREST, BOOKED", "ARREST, BOOKED", "ARREST, BOOKED", "N...
## $ Address    <chr> "800 Block of BRYANT ST", "800 Block of BRYANT ST", "KEI...
## $ X          <dbl> -122.4034, -122.4034, -122.3889, -122.4130, -122.4197, -...
## $ Y          <dbl> 37.77542, 37.77542, 37.72998, 37.78579, 37.76505, 37.788...
## $ Location   <chr> "(37.775420706711, -122.403404791479)", "(37.77542070671...
## $ PdId       <dbl> 1.200583e+13, 1.200583e+13, 1.410593e+13, 1.600137e+13, ...
```