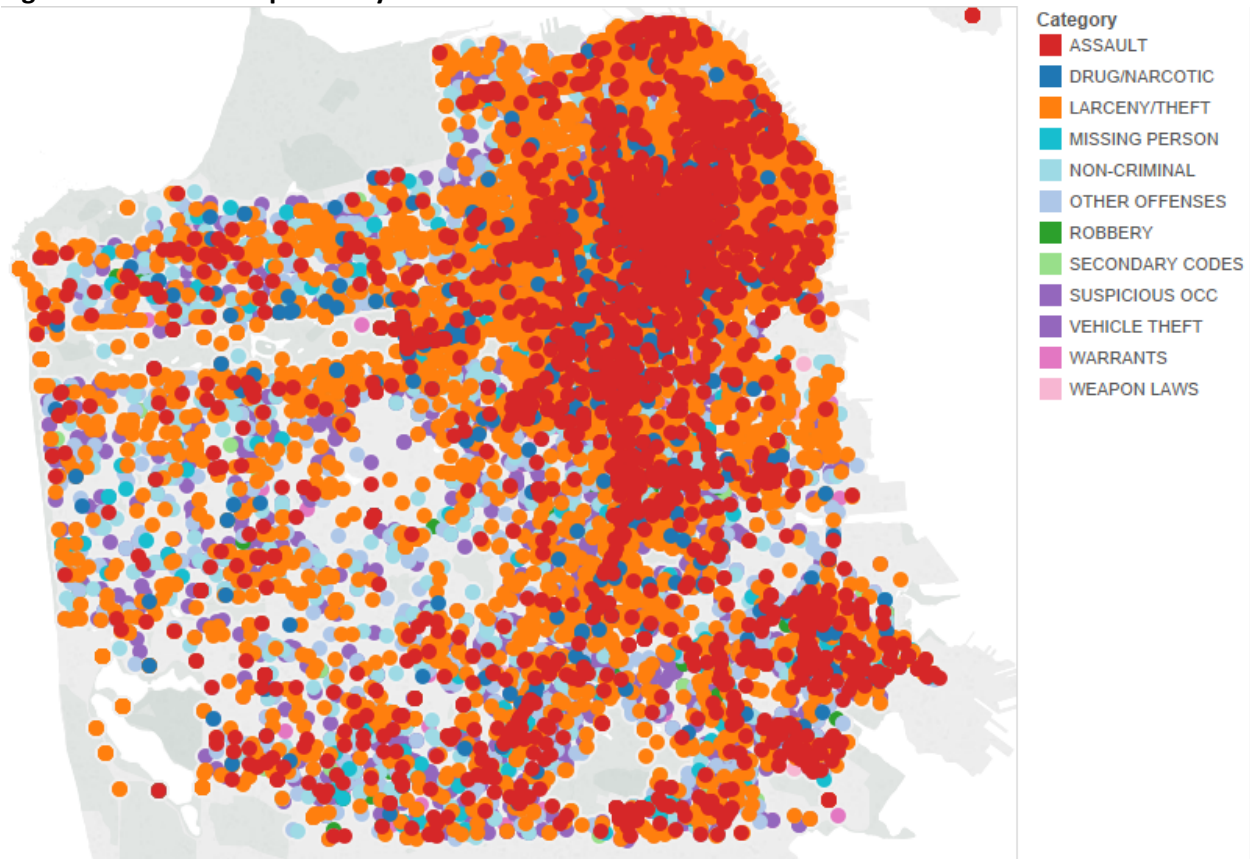


# Crime Analytics: Visualization of Incident Reports

## Primary Finding –

A majority of violent incidents reported in SFO is near downtown

**Figure 1 – Incidents reported by location in San Francisco**



The primary finding for this report is that a majority of the violent incidents reported in San Francisco is near the downtown area. Figure 1 contains a plot of all substantial incidents reported, by location. As seen in the graph, the concentration of incidents reported is much higher near the downtown area when compared with other parts of the city.

Focusing on the violent crime categories, namely Assault, Larceny/Theft, Robbery and Vehicle Theft, it is seen that the concentration of incidents reported in downtown is even higher when compared to the surrounding neighborhoods. Figure 2 below, filters on these categories and is zoomed in to show the downtown area.

**Figure 2 – Violent crimes reported near downtown San Francisco**



**Figure 3 - Violent crimes reported near downtown Seattle**

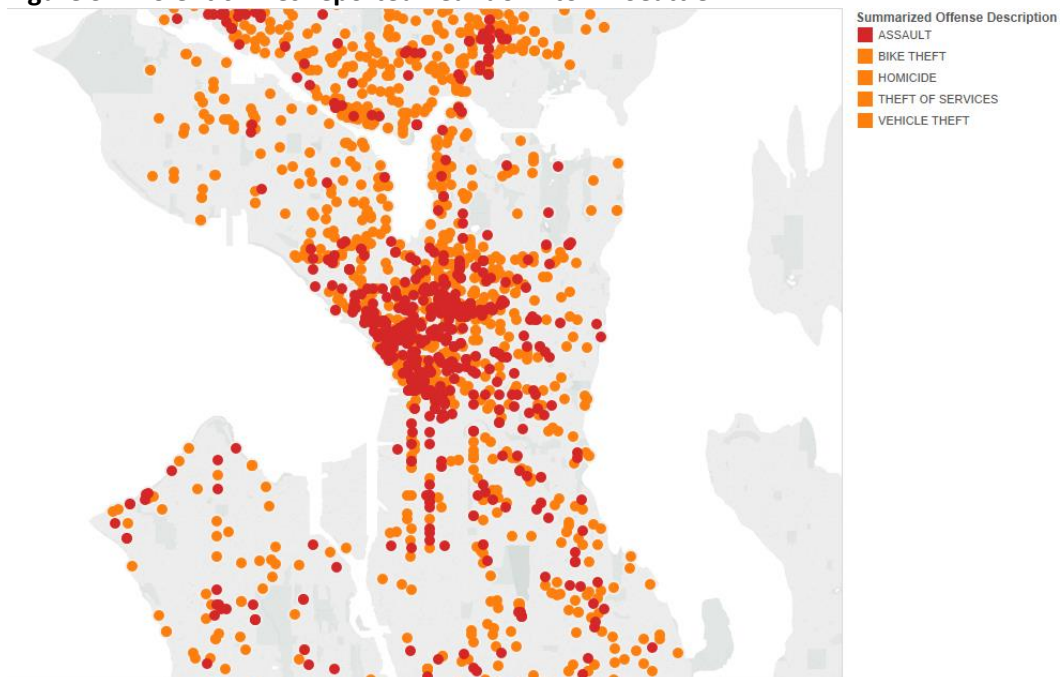


Figure 3 depicts the location of violent incidents in Seattle. By comparing Figure 2 and Figure 3, we can see that the pattern still holds – violent crimes reported in the downtown area is much higher when compared to other parts of the city

**Figure 4 – Incidents reported by day of the week**

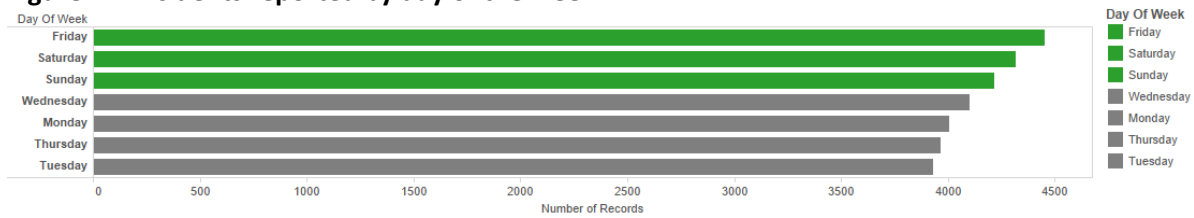


Figure 4 depicts the total number of incidents reported for each day of the week. The average number of incidents reported on the weekends is higher when compared to weekdays. Figure 4 clearly shows that the number of incidents reported on Friday, Saturday and Sunday is much higher when compared to other days of the week. This could possibly be explained by more people visiting downtown San Francisco during the weekend and hence there are more incidents

**Figure 5 – Incidents reported by time of the day**

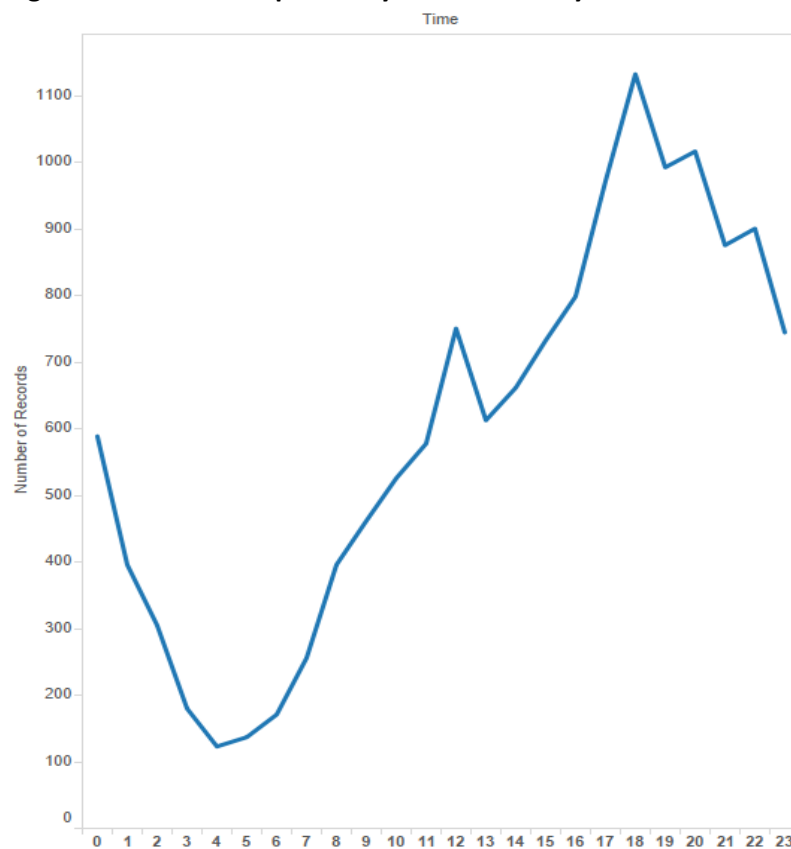


Figure 5 depicts the total number of incidents reported by time/hour of the day. The number of incidents reported between 17:00 and 00:00 hours is higher when compared to other parts of the day. This could be explained by more people visiting downtown San Francisco during the evening/early night hours as compared to daytime