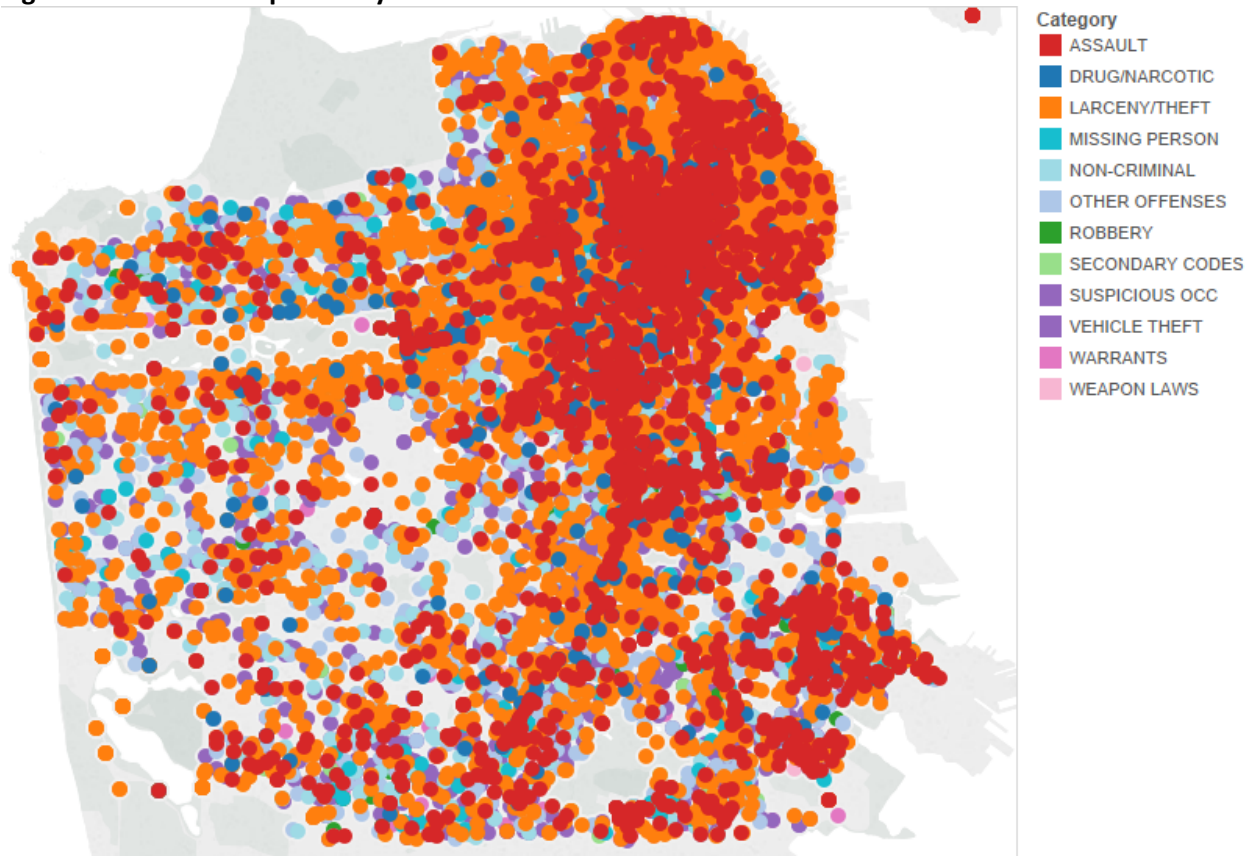


Crime Analytics: Visualization of Incident Reports

A majority of violent incidents are reported 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

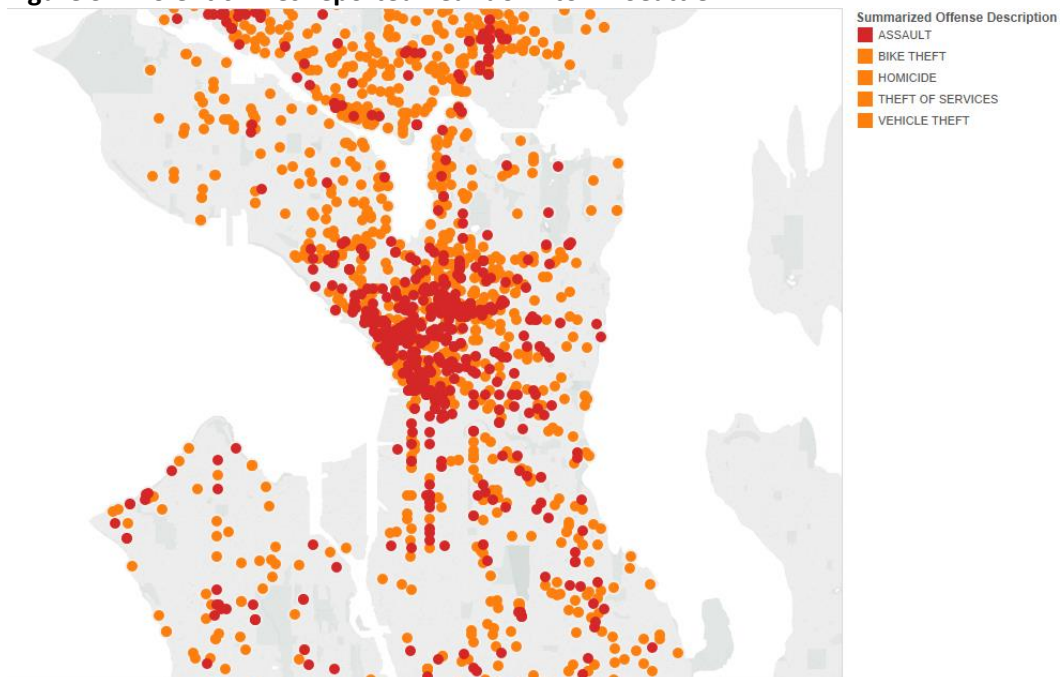
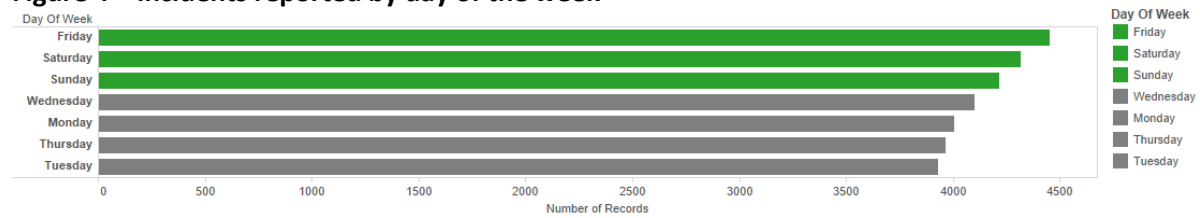


Figure 3 depicts the location of violent incidents in Seattle. By comparing Figure 2 and Figure 3, we can see that the pattern still holds – violent crimes reported in the downtown area is much higher when compared to other parts of the city

Figure 4 – incidents reported by day of the week



The average number of incidents reported on the weekends is higher when compared to weekdays. Figure 4 clearly shows that incidents reported on Friday, Saturday and Sunday is much higher when compared to other days of the week. This is explained by the fact that more people visit downtown San Francisco during the weekend and hence there are more incidents