SAN FRANCISCO CRIME DATA ANALYSIS

TEAM THANOS

Apoorva Srinivas

Dan To

Harsha Wardhan Reddy Duvvru

Pratik Khandelwal

Ritumbhra Sagar

PROBLEM STATEMENT

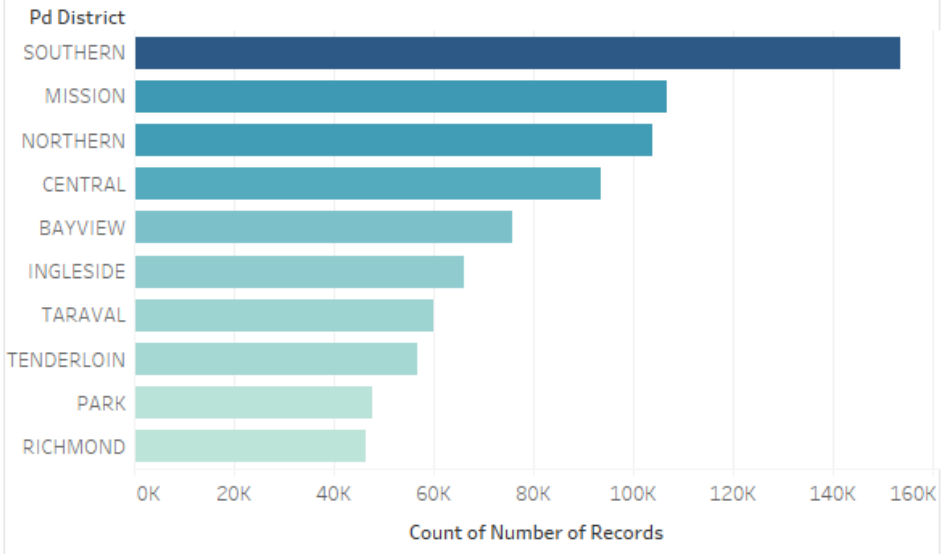
Analyse San Francisco crime data to increase public safety:

Identify the areas that are more prone to crimes?

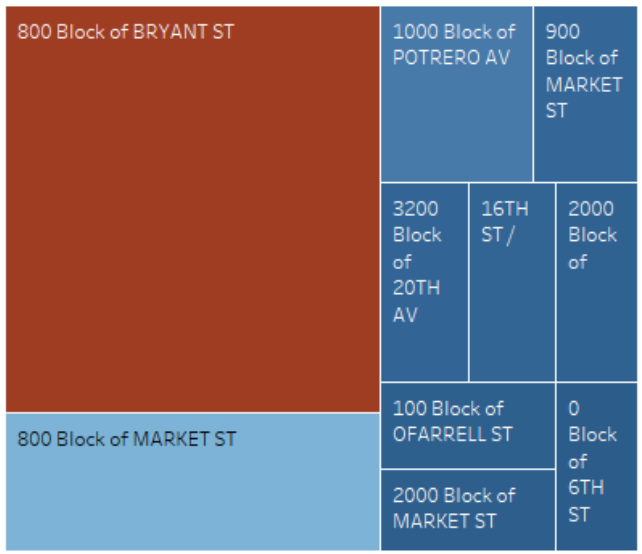
Identify at what time of the day should the Police department increase surveillance?

Data Source:
DataSF.com
(Link: https://data.sfgov.org/Public-Safety/Police-Department-Incident-Reports-Historical-2003/tmnf-yvry)

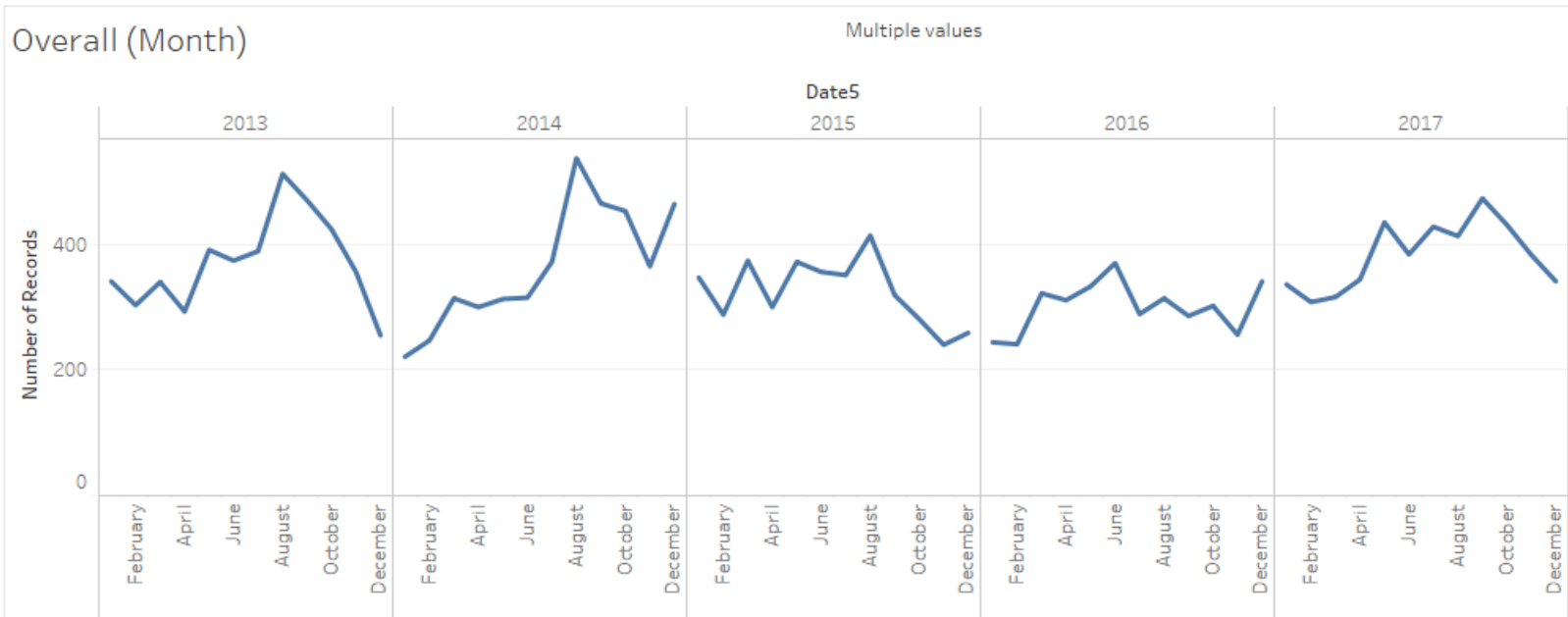
Overall (Districts)



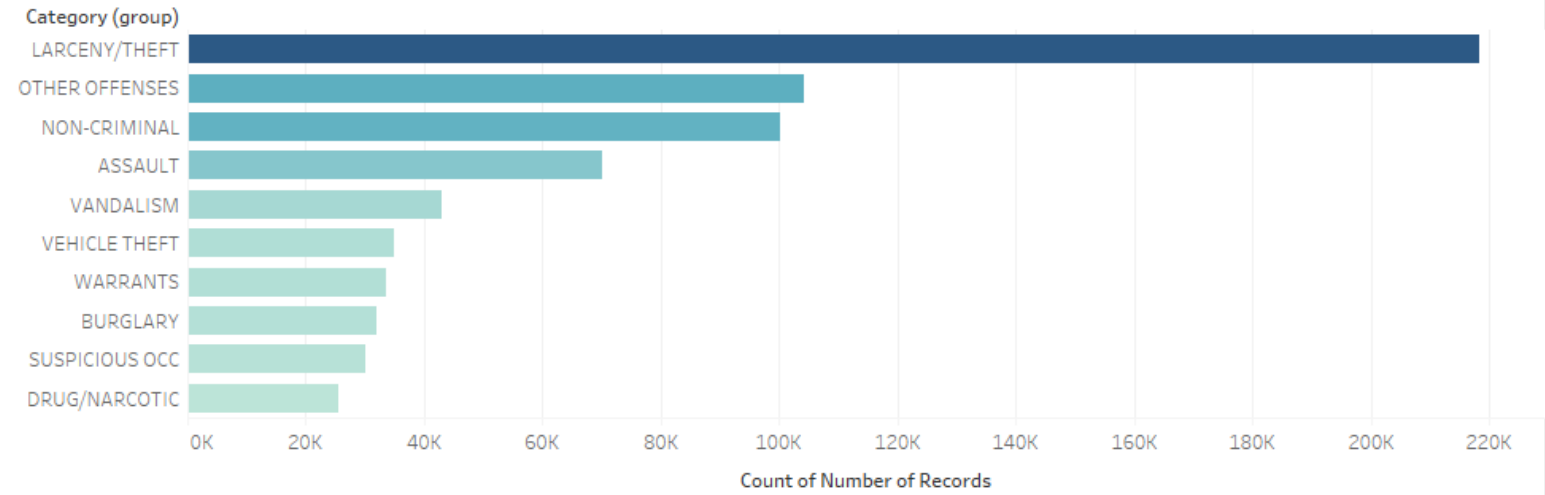
Addresses with highest crime rate



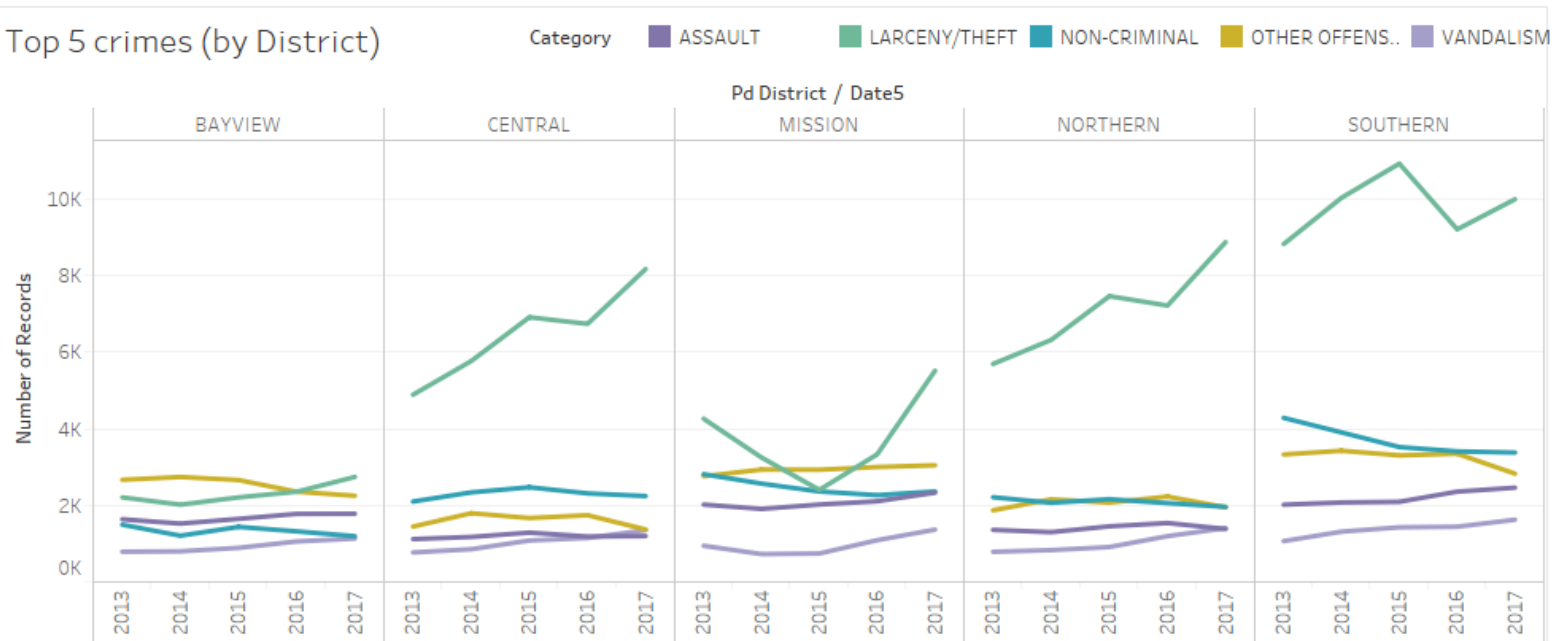
Overall (Month)



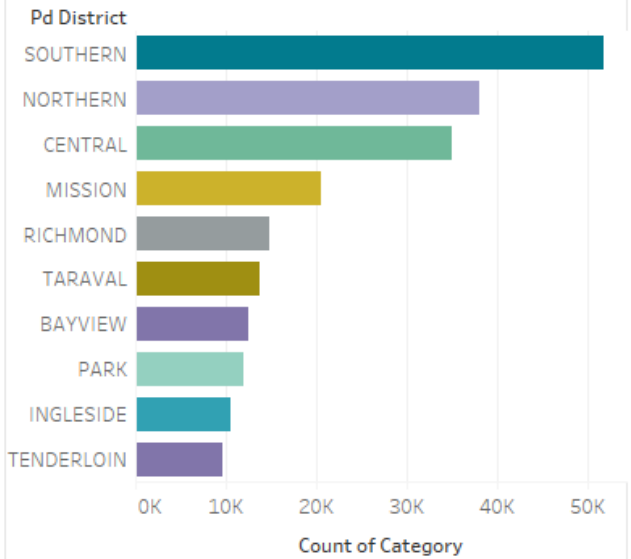
Overall Incidents by Categories



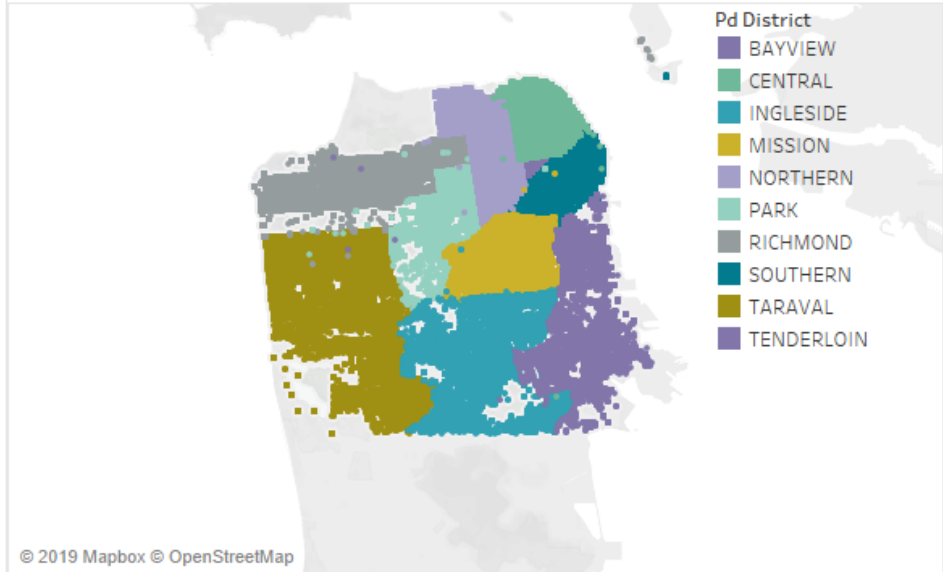
Top 5 crimes (by District)



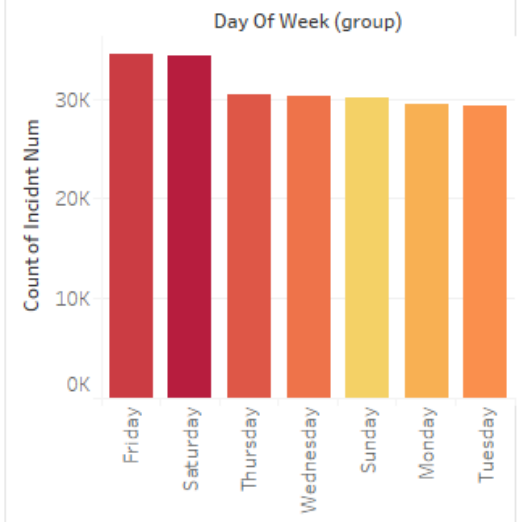
Theft/Larceny by district



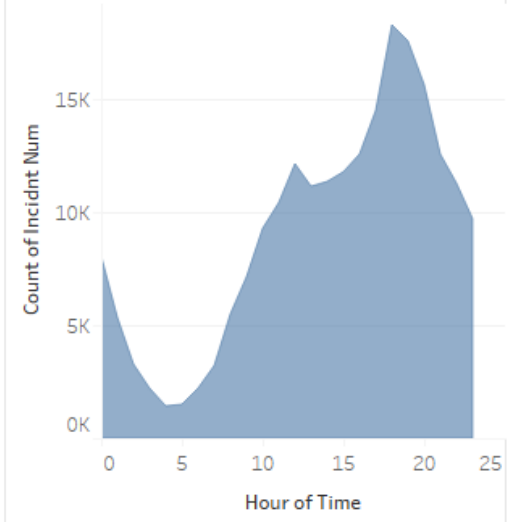
Theft location



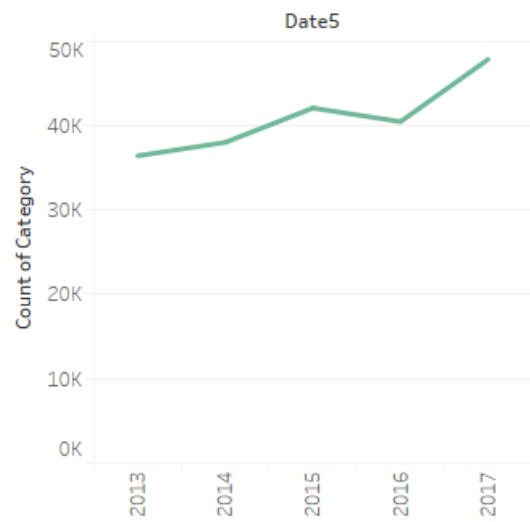
Theft by weekday



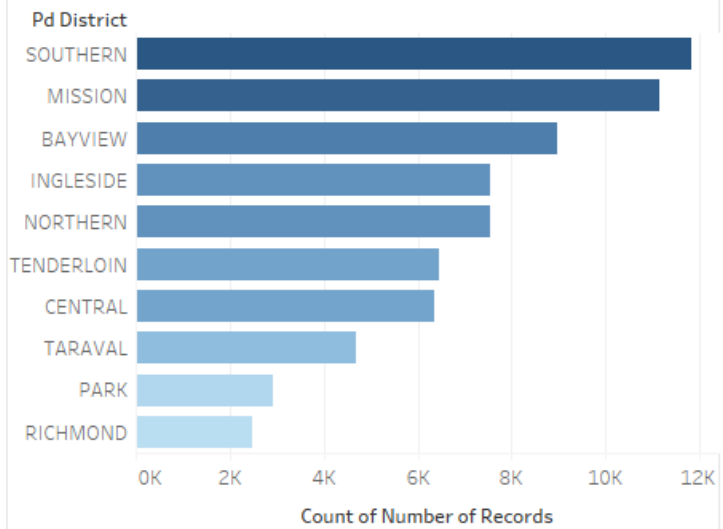
Theft vs Time



Theft by year

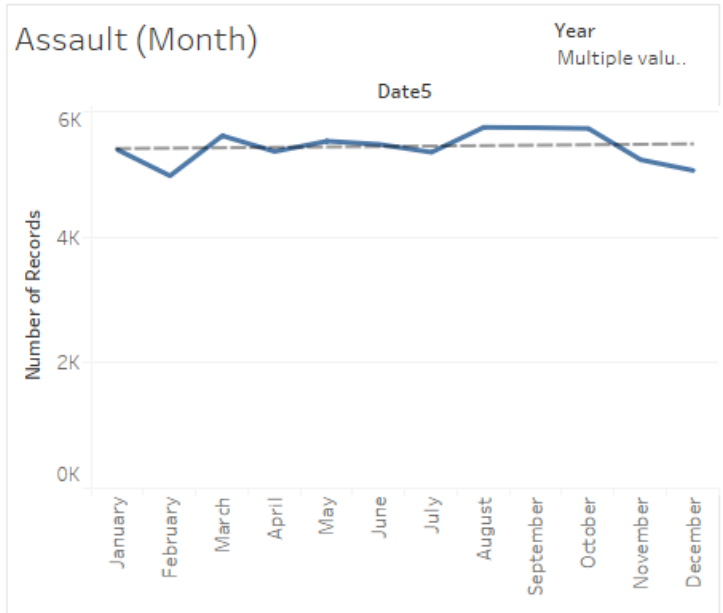


Assault (Districts)



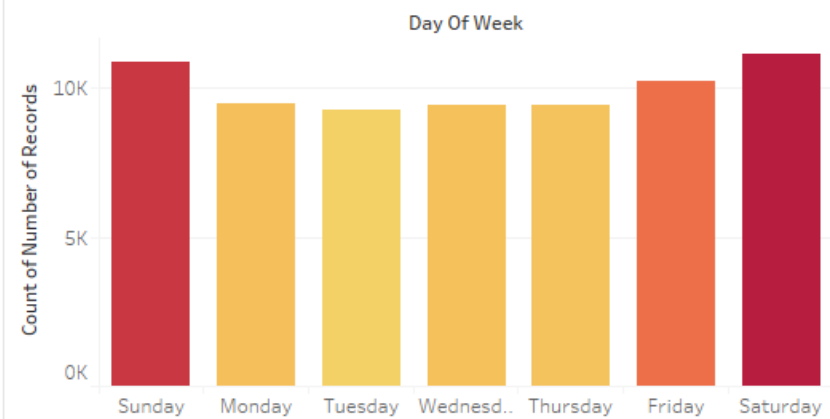
Assault (Top 10 Address)

Assault (Month)

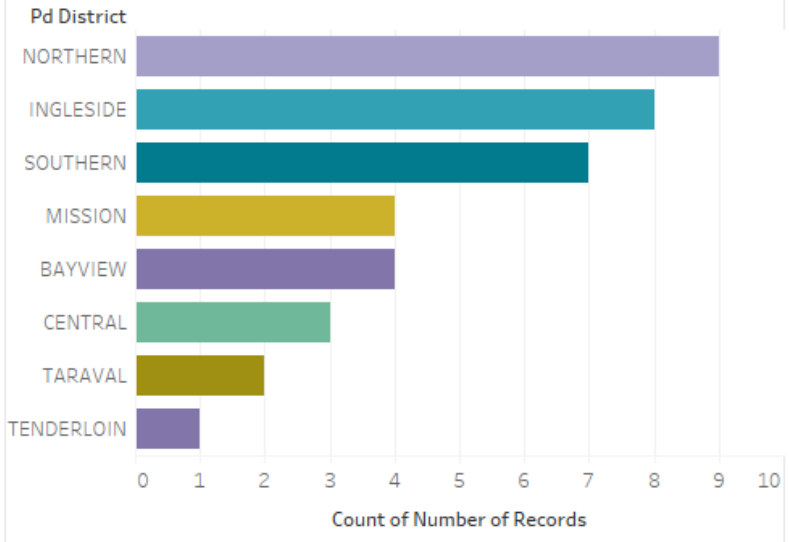


This is the beginning of what is known as the **'red zone'** — a period of six weeks that experts believe is the most dangerous time for campus sexual assualt.

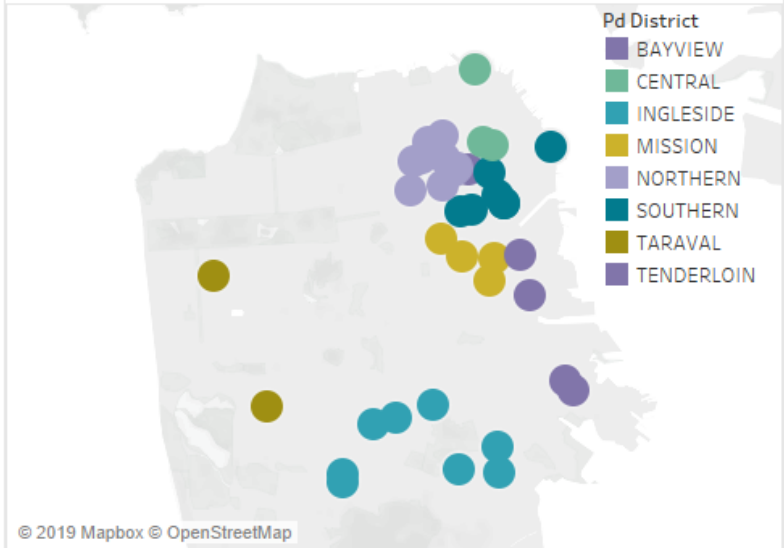
Assault (Weekdays)



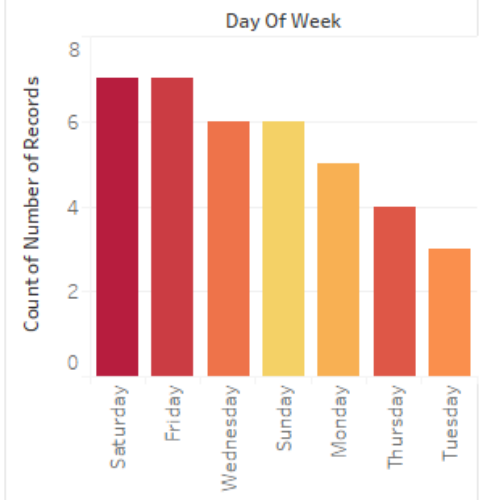
Incident Spread Across Districts



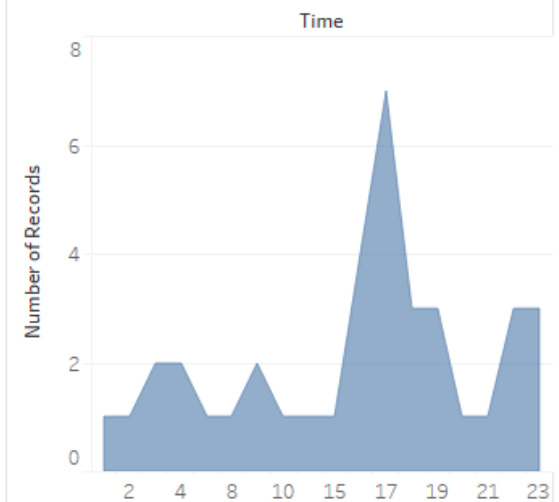
Incident Spread Across Locations



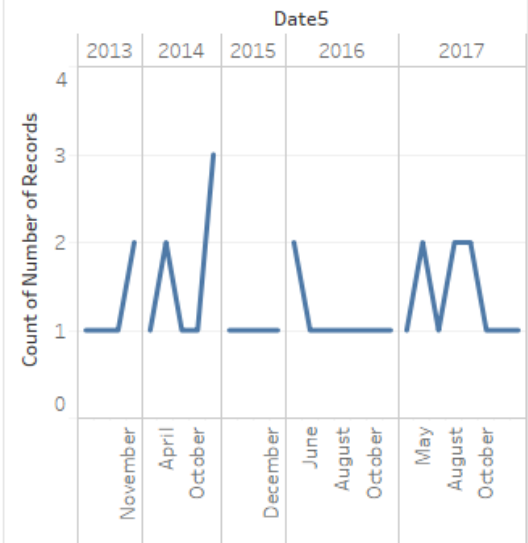
Incident Spread during Days of the Week



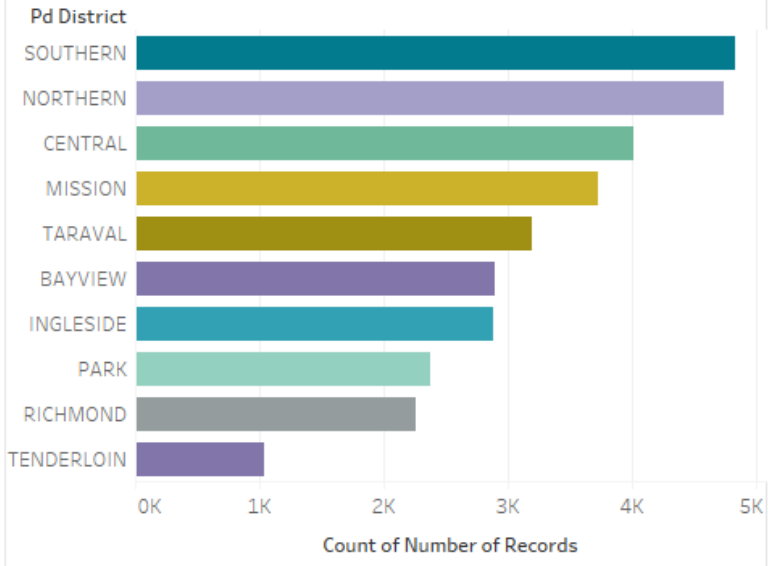
Incident Trend Over Time of the Day



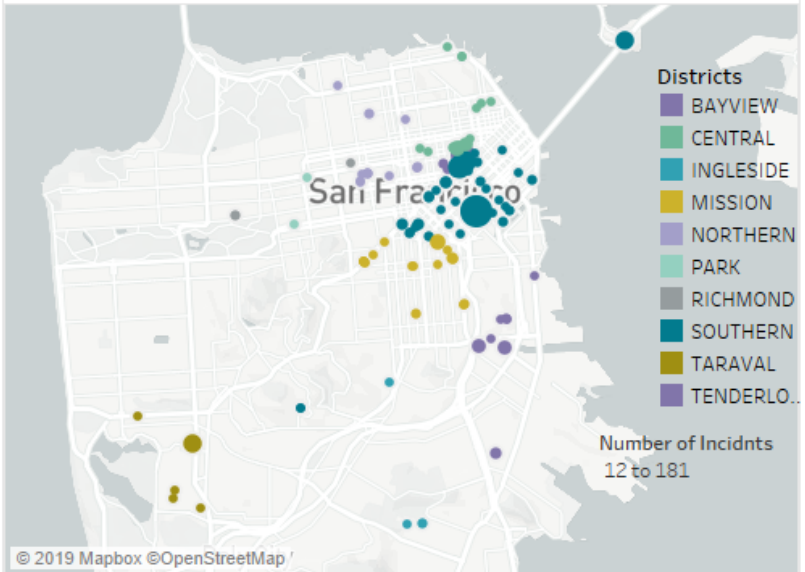
Incident Trend Over Year



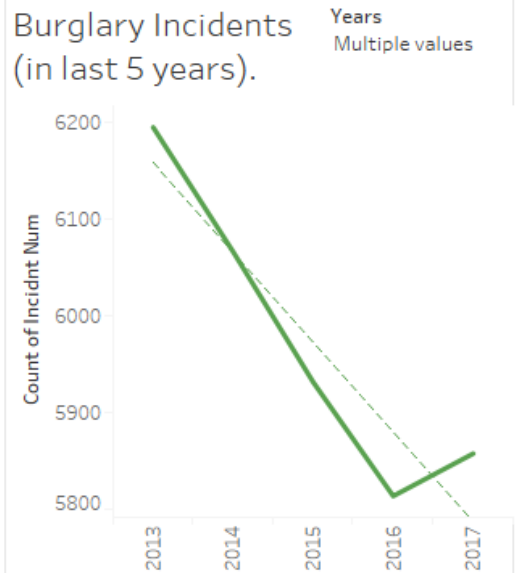
Number of Burglary incidents (in each districts).



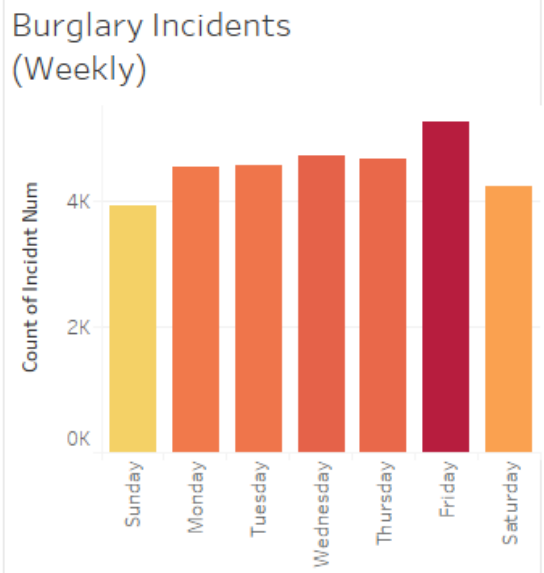
Burglary Incident Locations (Across all districts)



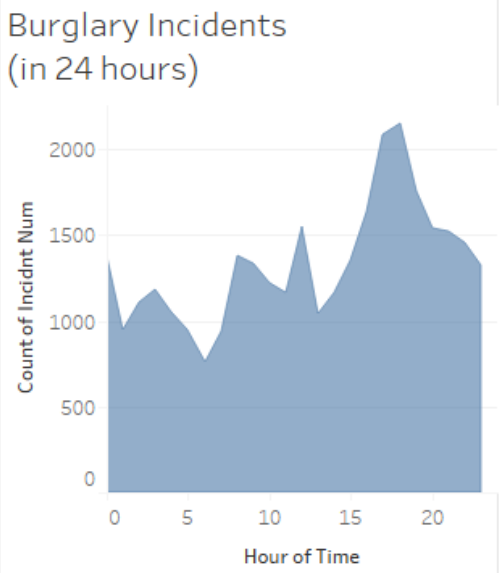
Burglary Incidents (in last 5 years).



Burglary Incidents (Weekly)



Burglary Incidents (in 24 hours)



CONCLUSION

1. Majority of crimes recorded in the Southern district : Recommend Police department to increase the Surveillance/ Patroling in this district.

2. Continuous surveillance at *800 Street of Bryan Street* (Highest number of incidents in all top crimes).

3. Theft tops the list of crimes and increasing over the years : Department to keep a check on plausible reasons.

4. Peak in crime curves over weekends : Tighten the security and alert the public to take necessary measures.