
SAN FRANCISCO POLICE DEPARTMENT INCIDENT ANALYSIS

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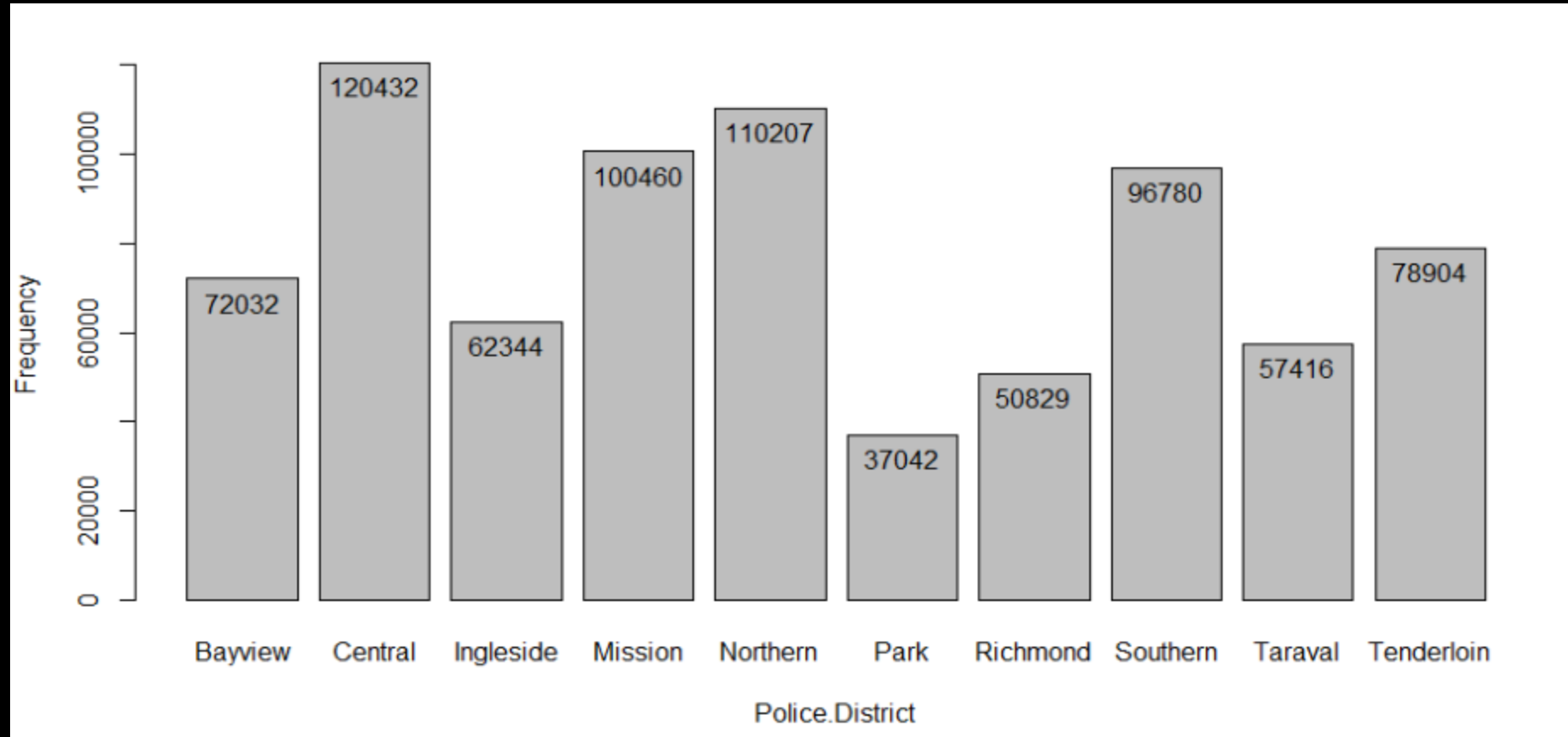
Kevin Hansen



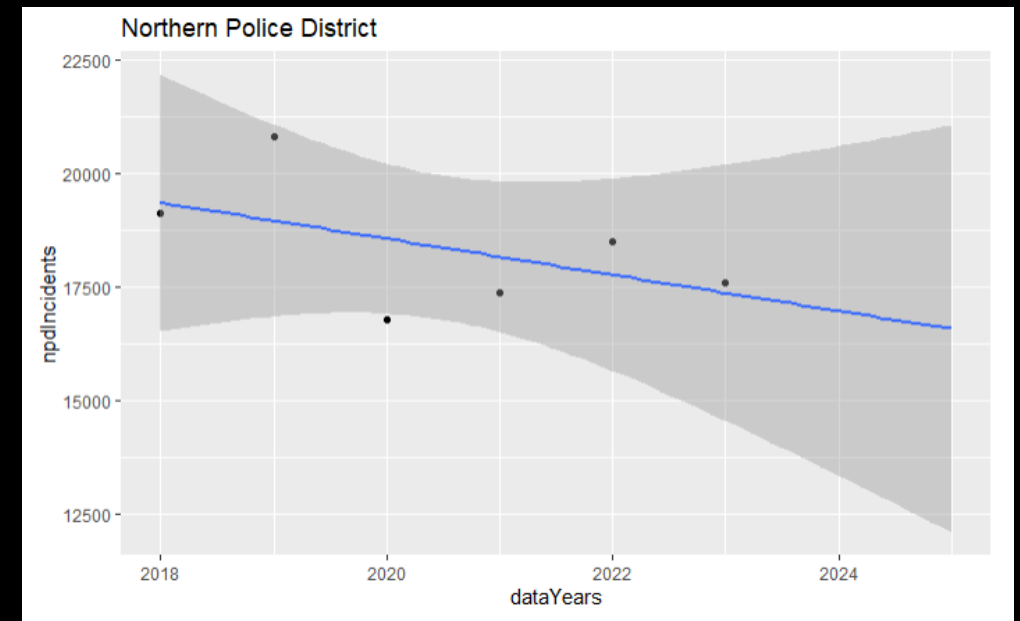
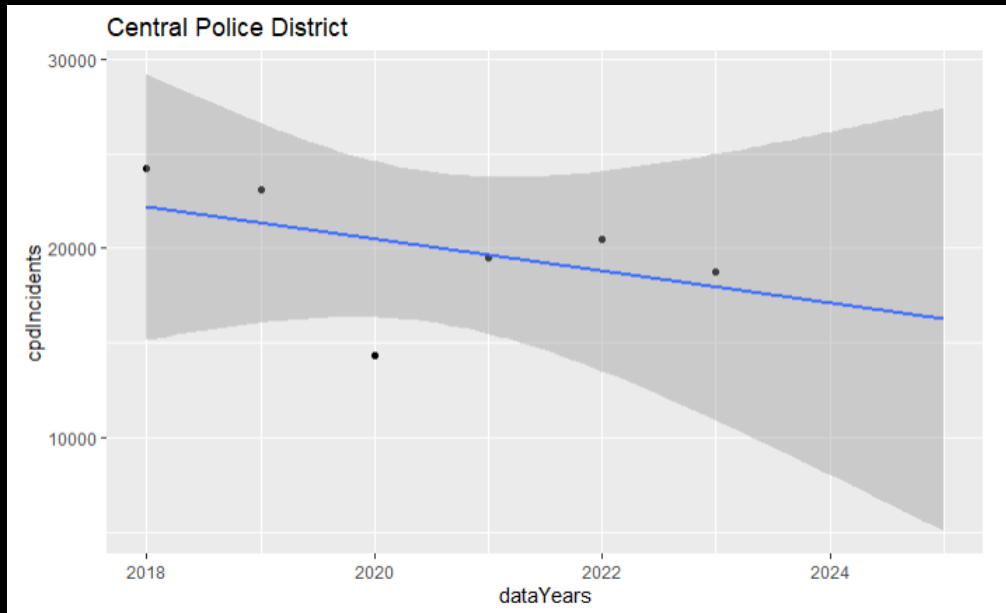
MORE OFFICERS

- SFPD looking to hire 5 new officers
- Which Police Districts need more Officers?
- Findings:
 - Police Districts with the most Incident Cases
 - Trend of total number of cases per police district going into 2025
 - Districts with the most violent crime
 - Day and time that most crimes happen

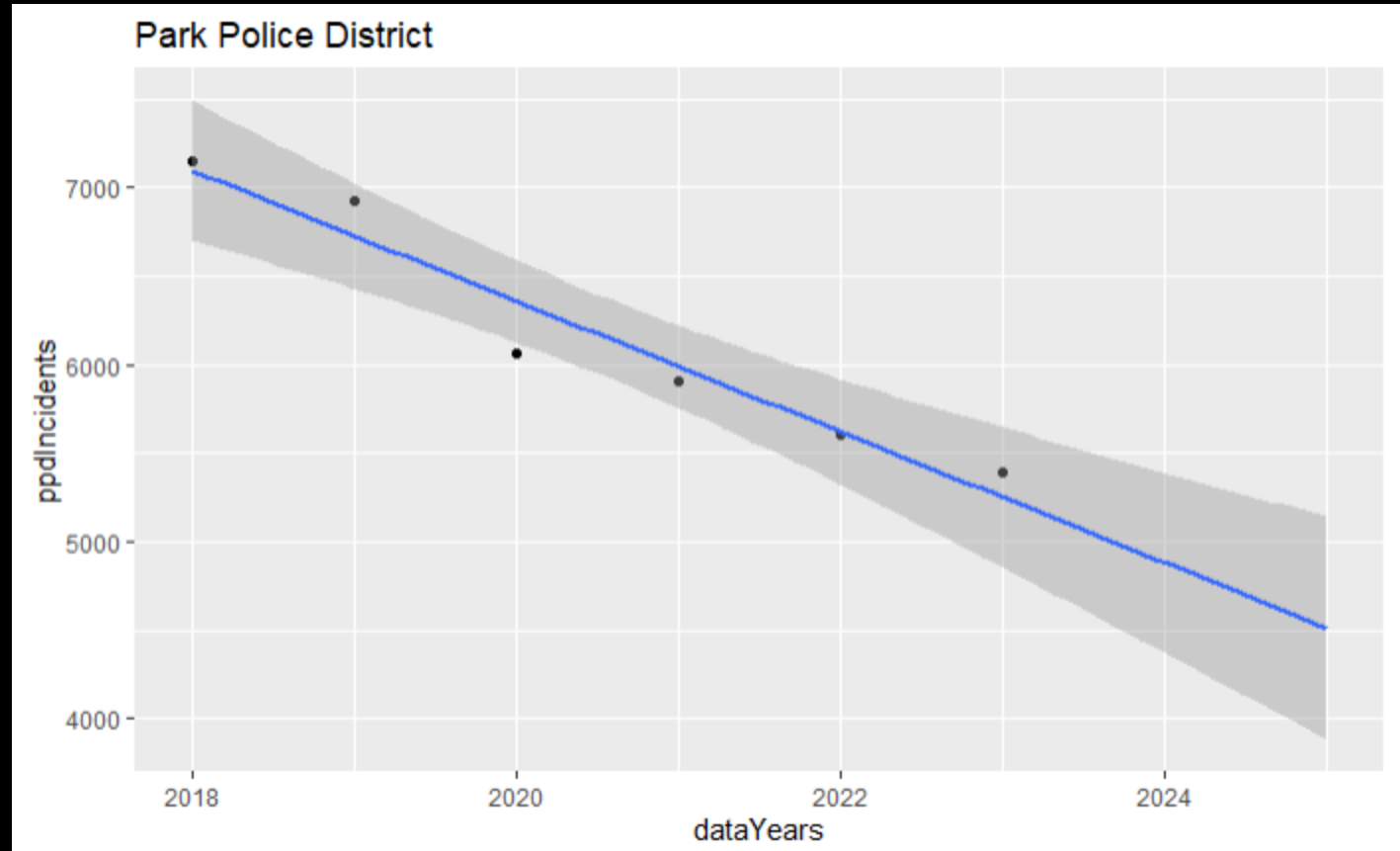
TOTAL CRIME PER POLICE DISTRICT



INCIDENT TRENDS

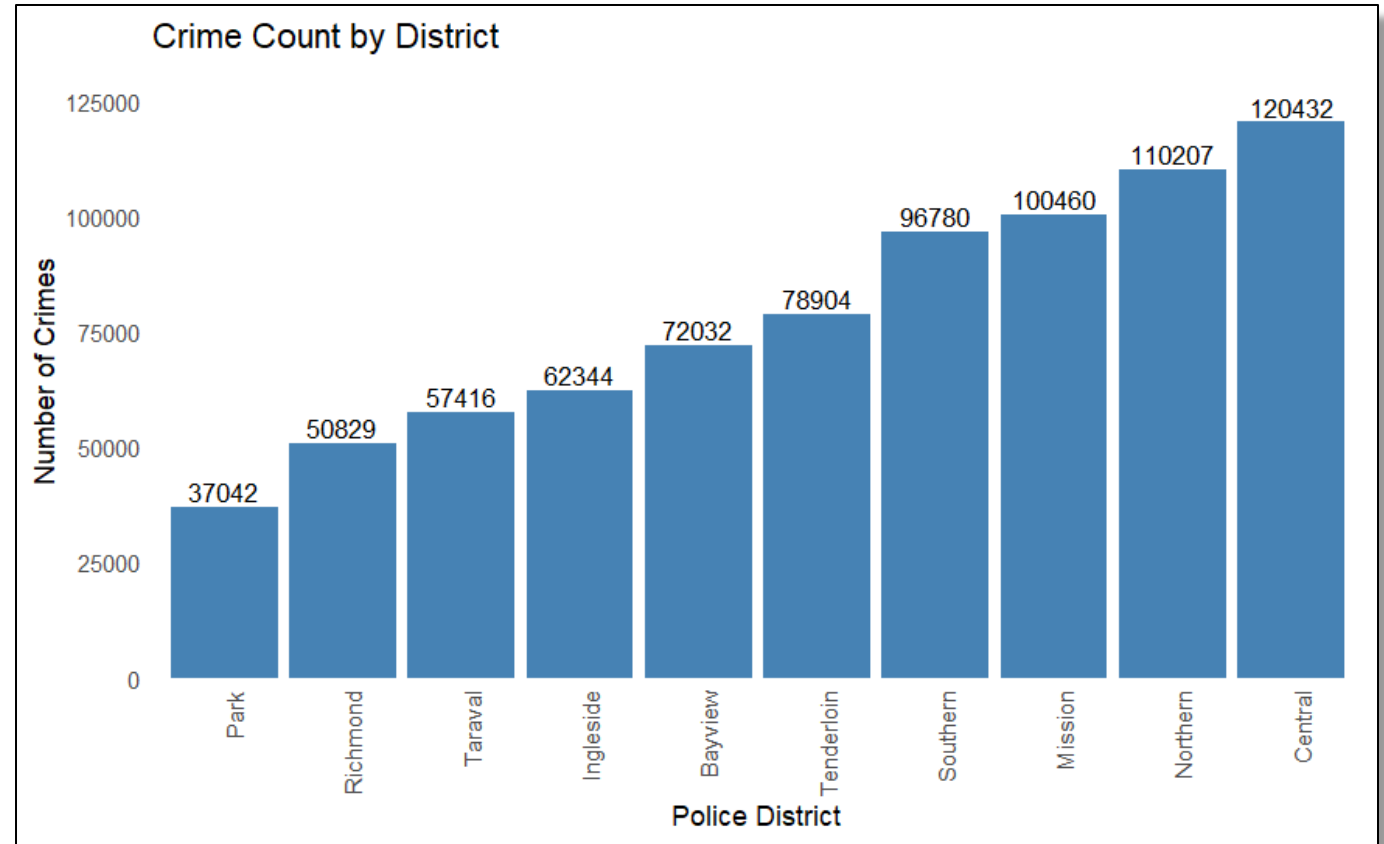


INCIDENT TRENDS CONTINUED...



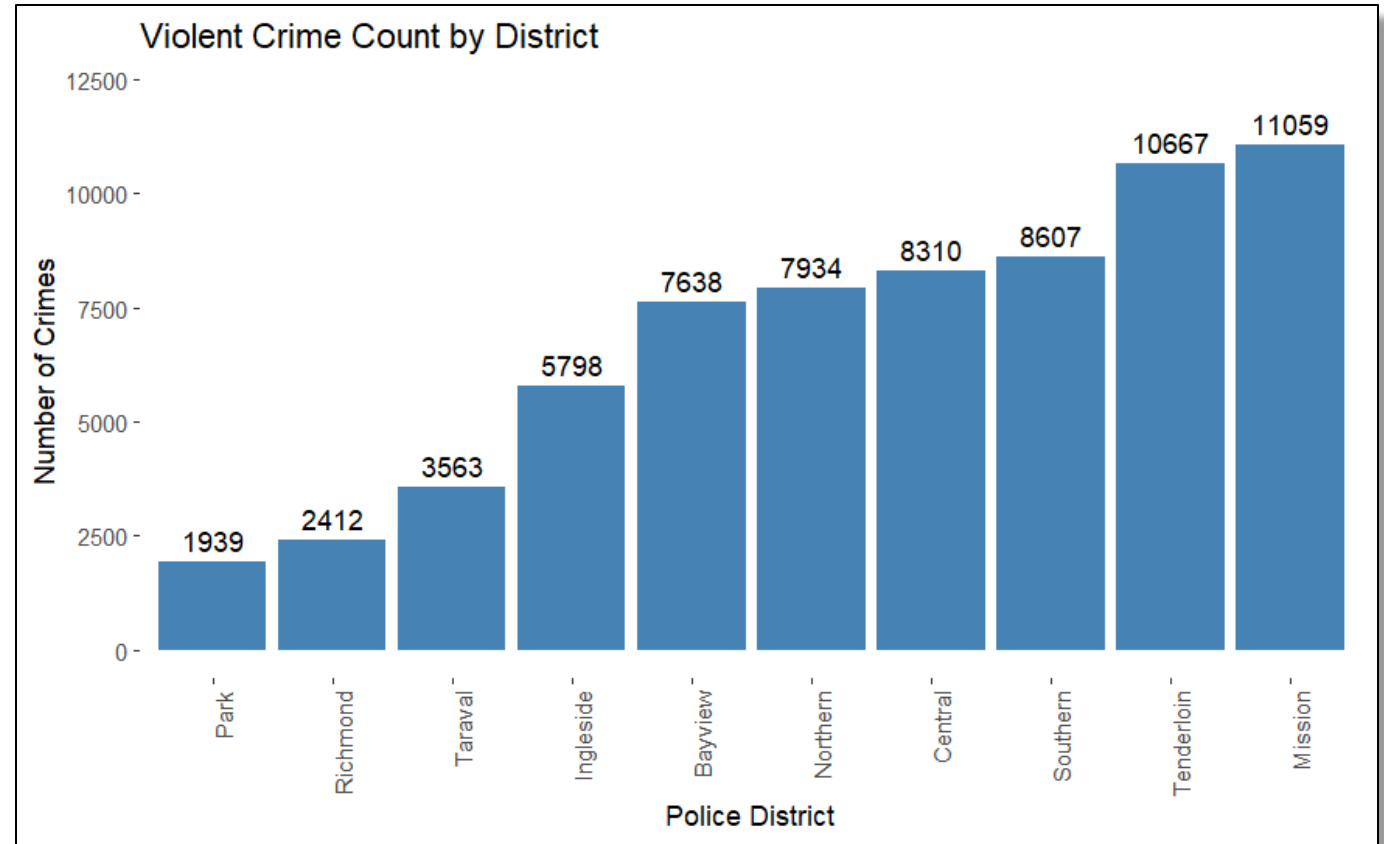
TOTAL CRIME PER POLICE DISTRICT

- Overall crime per district from 2018-2023.
- Central, Northern, Mission, Southern, and Tenderloin districts have the most crime.
 - 5 officers could be allocated to these districts.



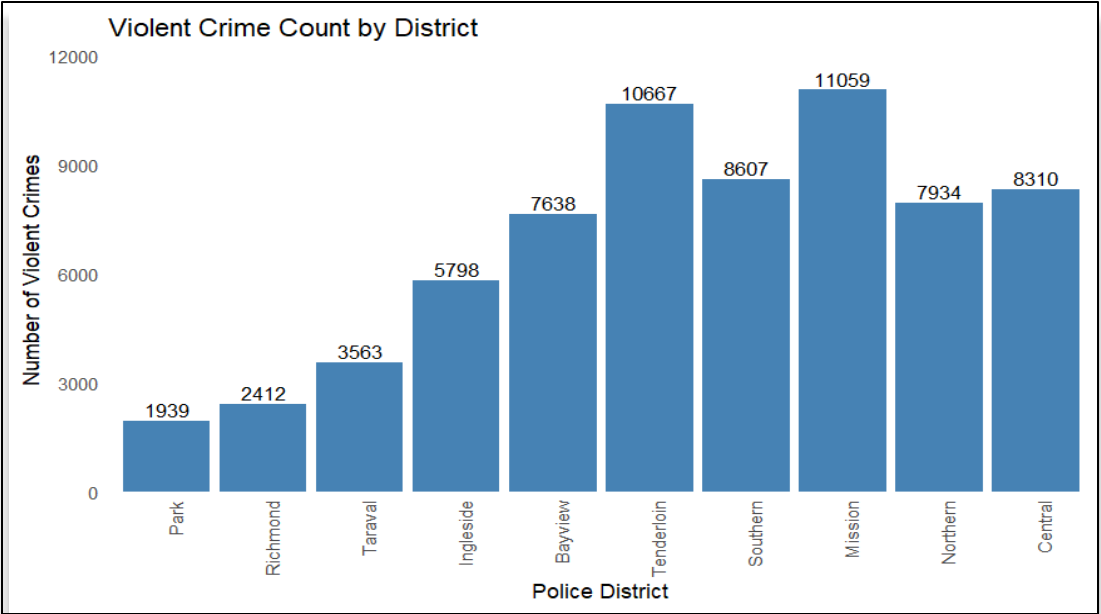
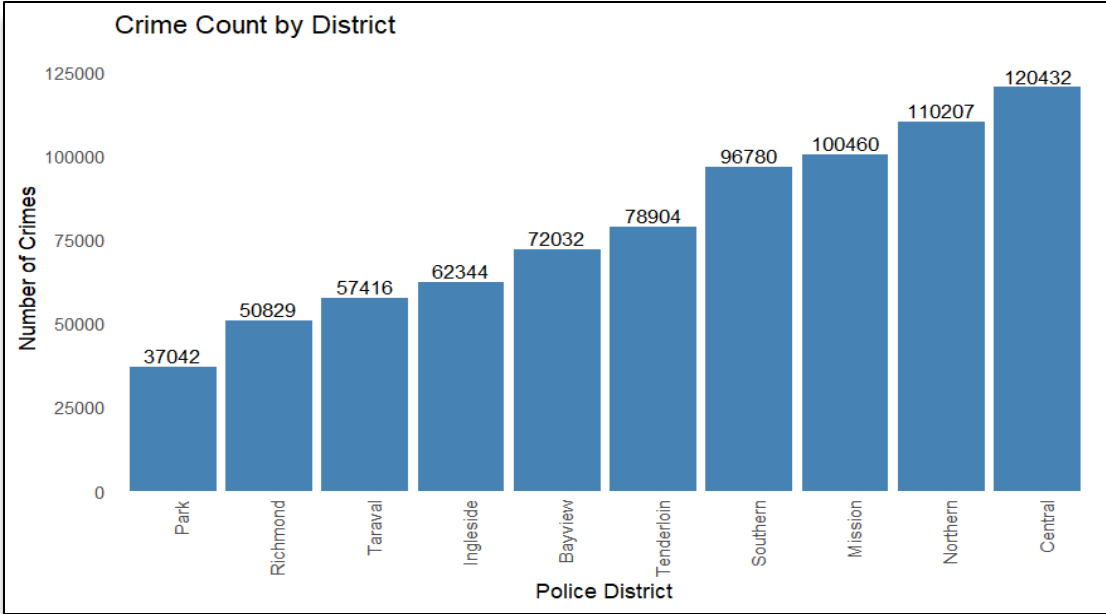
TOTAL VIOLENT CRIME PER POLICE DISTRICT

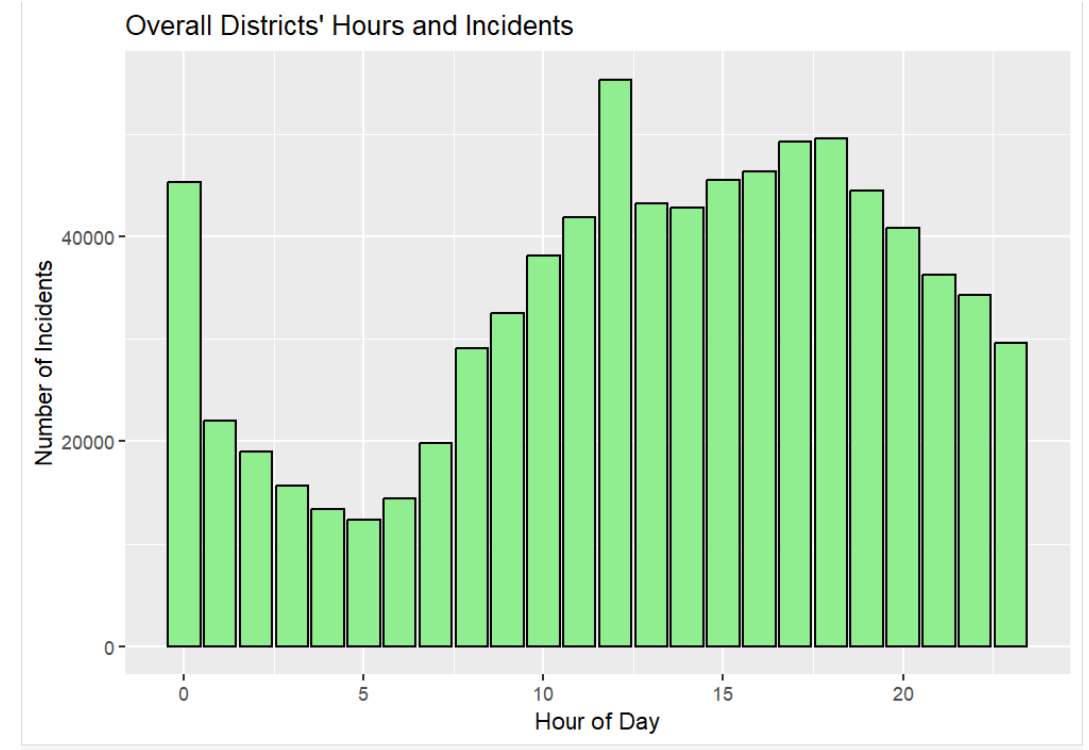
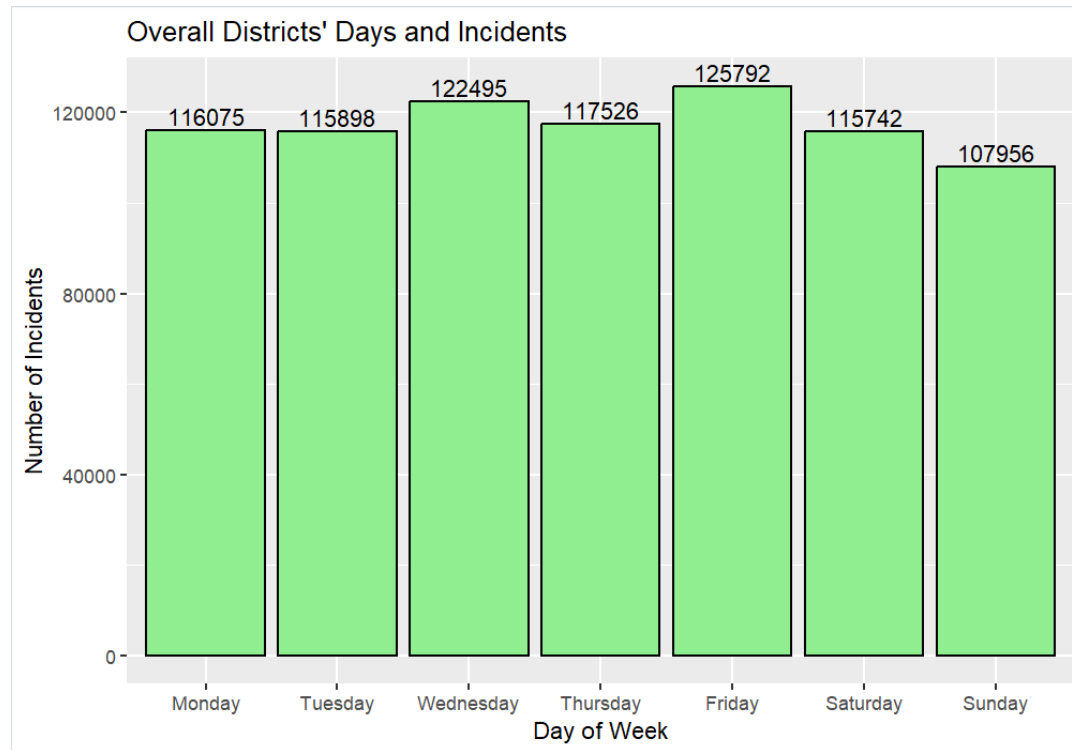
- Overall violent crime per district from 2018-2023.
- Mission, Tenderloin, Southern, Central, and Northern districts have the most violent crime.
 - 5 officers could be allocated to these districts to combat violent crime.



VIOLENT CRIME VS. CRIME PER POLICE DISTRICT

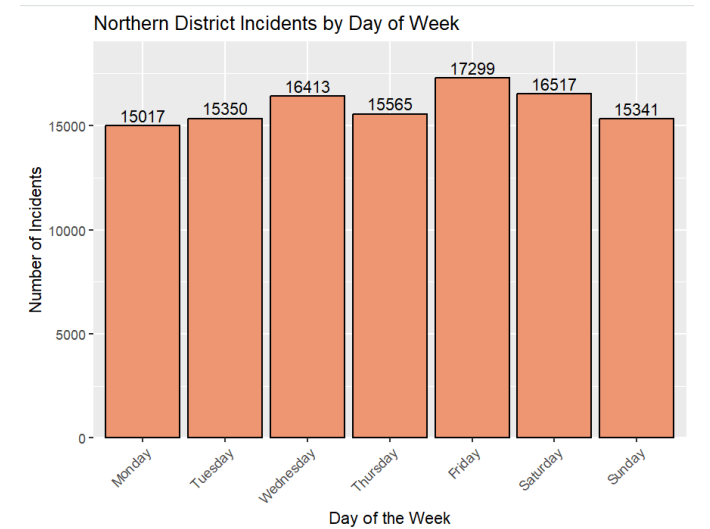
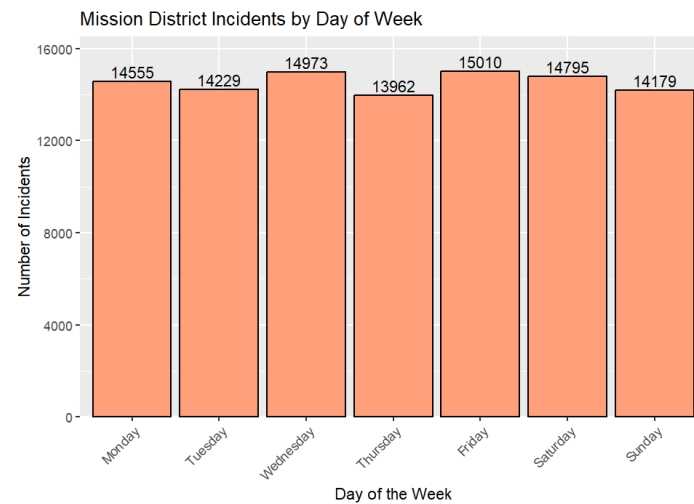
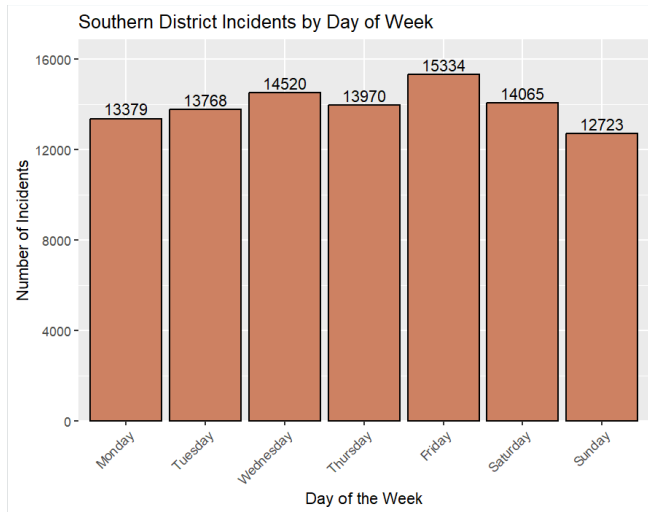
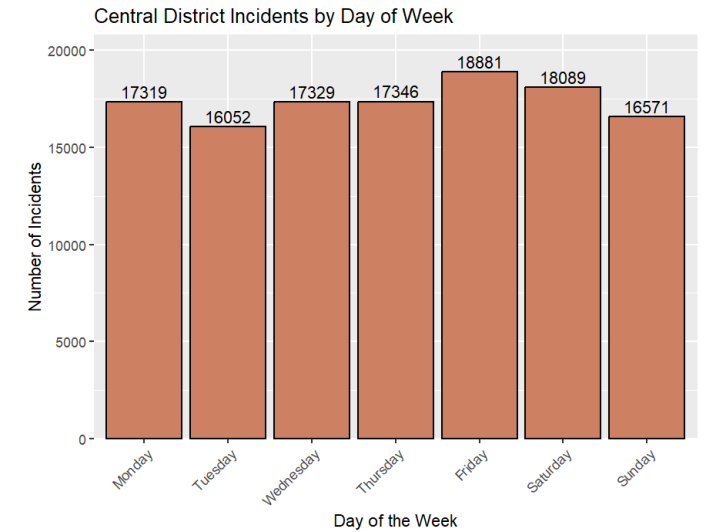
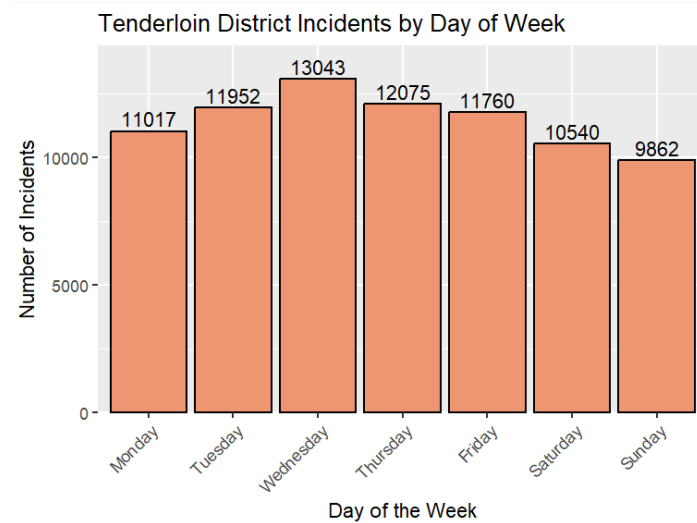
- The Violent Crime Count graph follows the district rank for overall crime.
- Districts with the most violent crime are not in the top rank for overall crimes.
 - However, the most violent crime districts do fall into the top 5 most crime ridden districts.
 - Allocation of 5 officers could be based on violent crime districts first, then overall crime districts.



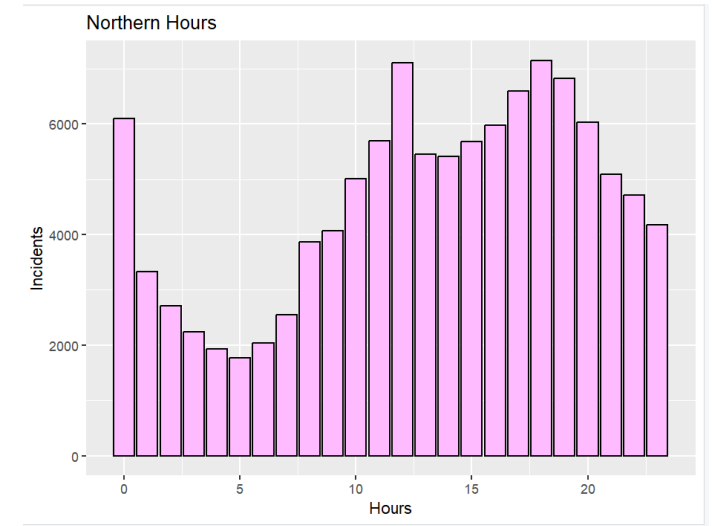
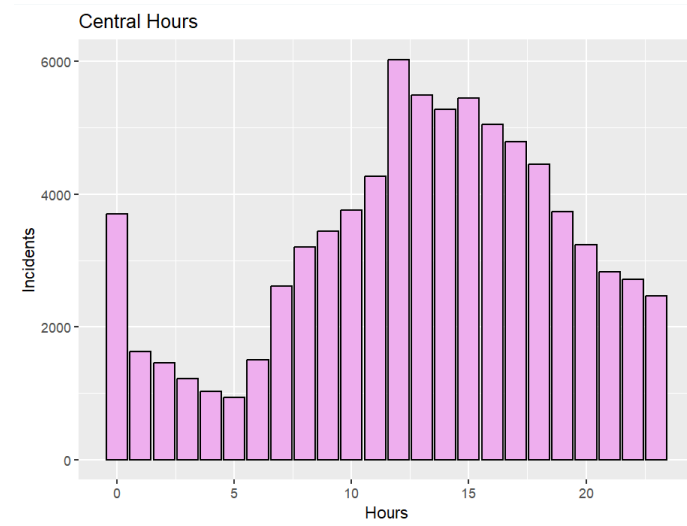
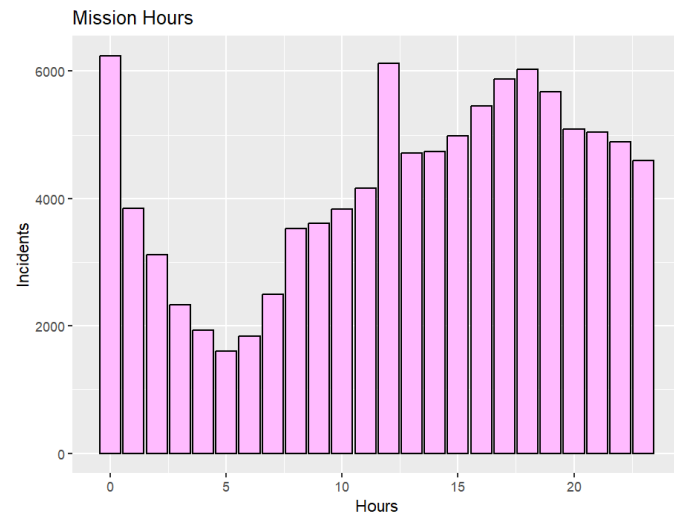
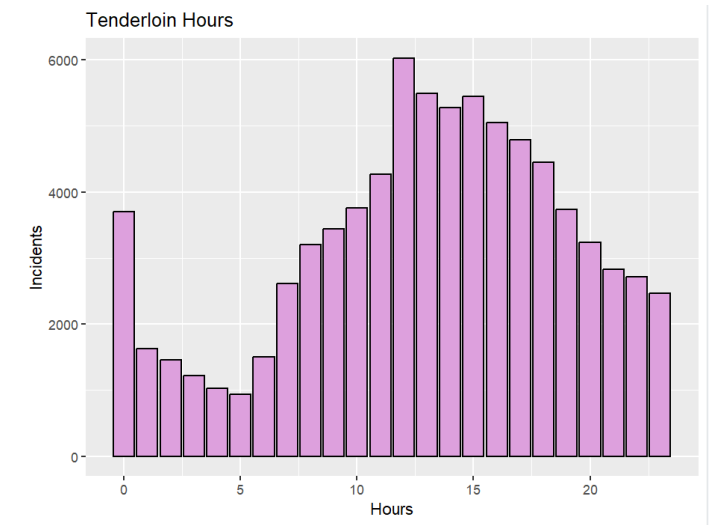
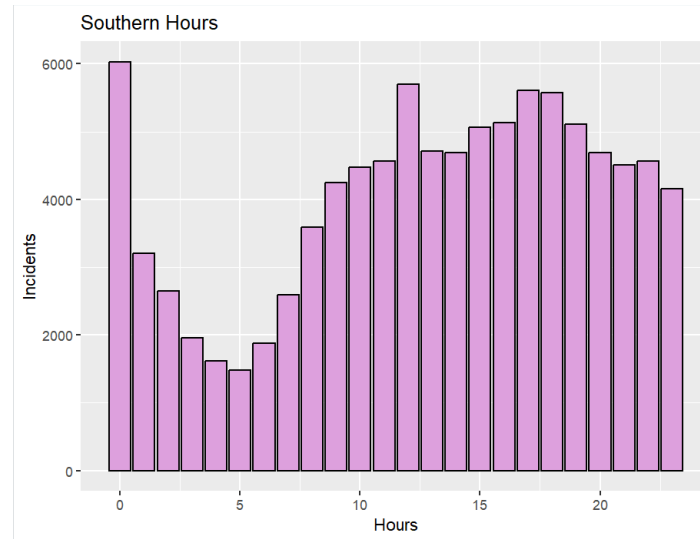


OVERALL DISTRICT'S DAYS / HOURS

TOP 5 DISTRICTS DAYS OF THE WEEK



TOP 5 DISTRICTS AVG HOURS



CONCLUSION

- Officer staffing recommendation for time and districts:
 - Districts: Central; Tenderloin; Mission; Northern; and Southern.
 - Time and Days: Wednesday, Friday, and Saturday from 12pm to 12am.
 - Officers can be used for crime prevention rather than crime suppression.
- More historical data is needed to perform a trend analysis.
 - COVID is heavily weighted in our data causing disruption in our district trend analyses.
- Violent crime districts fall into the top overall crime districts.