

Data Visualization

SF Criminal Data Assignment

To achieve the maximum impact on crime reduction in San Francisco, our police forces should preferably patrol the **Southern District between 17:00 and 21:00** and be on the lookout for **larceny and theft**

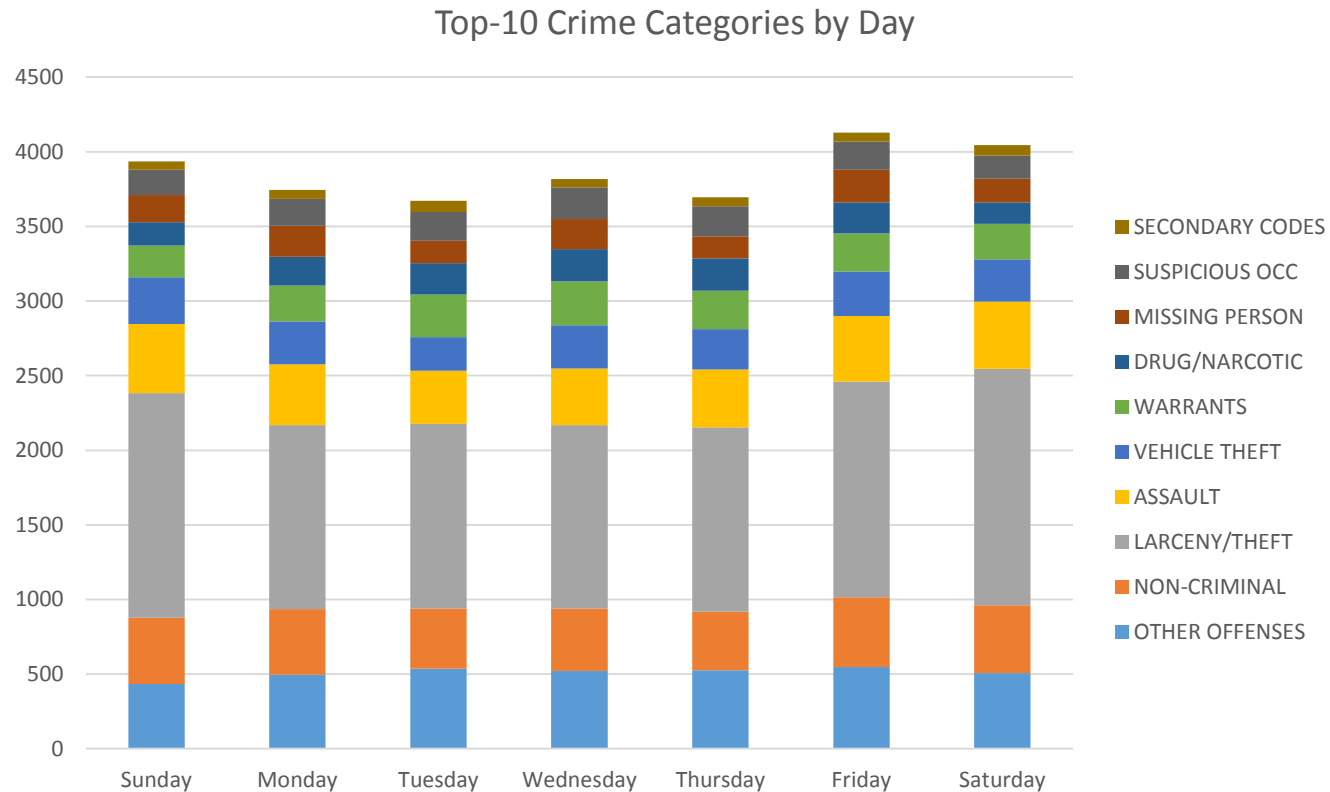
Goal

The San Francisco Chief of Police wants to determine how to optimally deploy his limited resources to reduce crime as much as possible.

What types of resources should he deploy ?

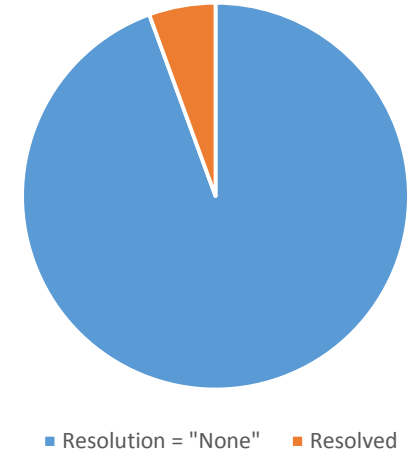
Where and when should he deploy them ?

What are the main crimes ?



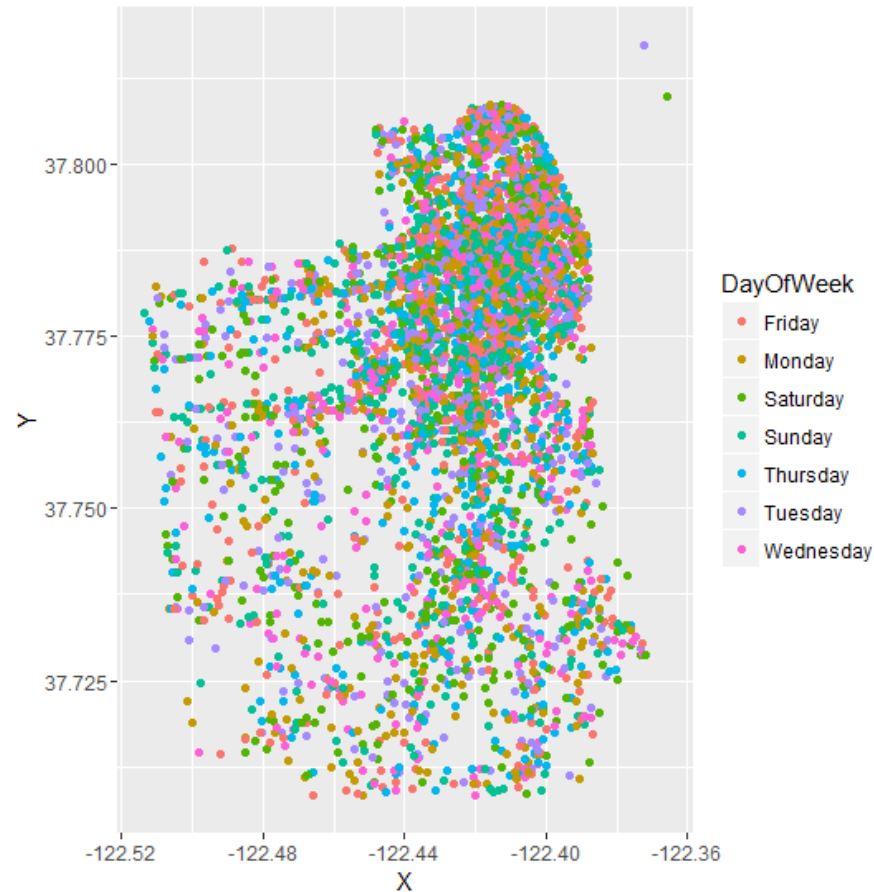
- **Larceny/Theft** constitutes more than **54%** of the crimes in the SF area
- This is roughly the case for every day of the week

Larceny/Theft cases resolution

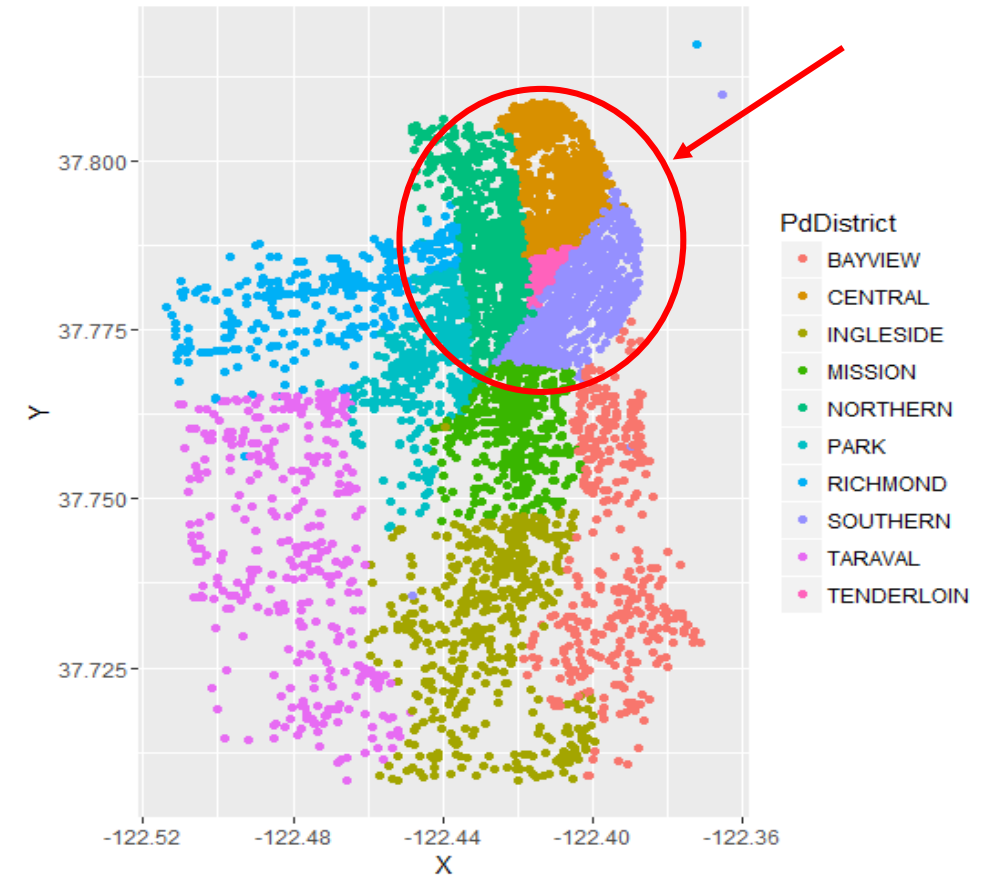


- Furthermore, most of the Larceny/Theft crimes remain unresolved

Where and when are the Larceny and Theft crimes committed ?



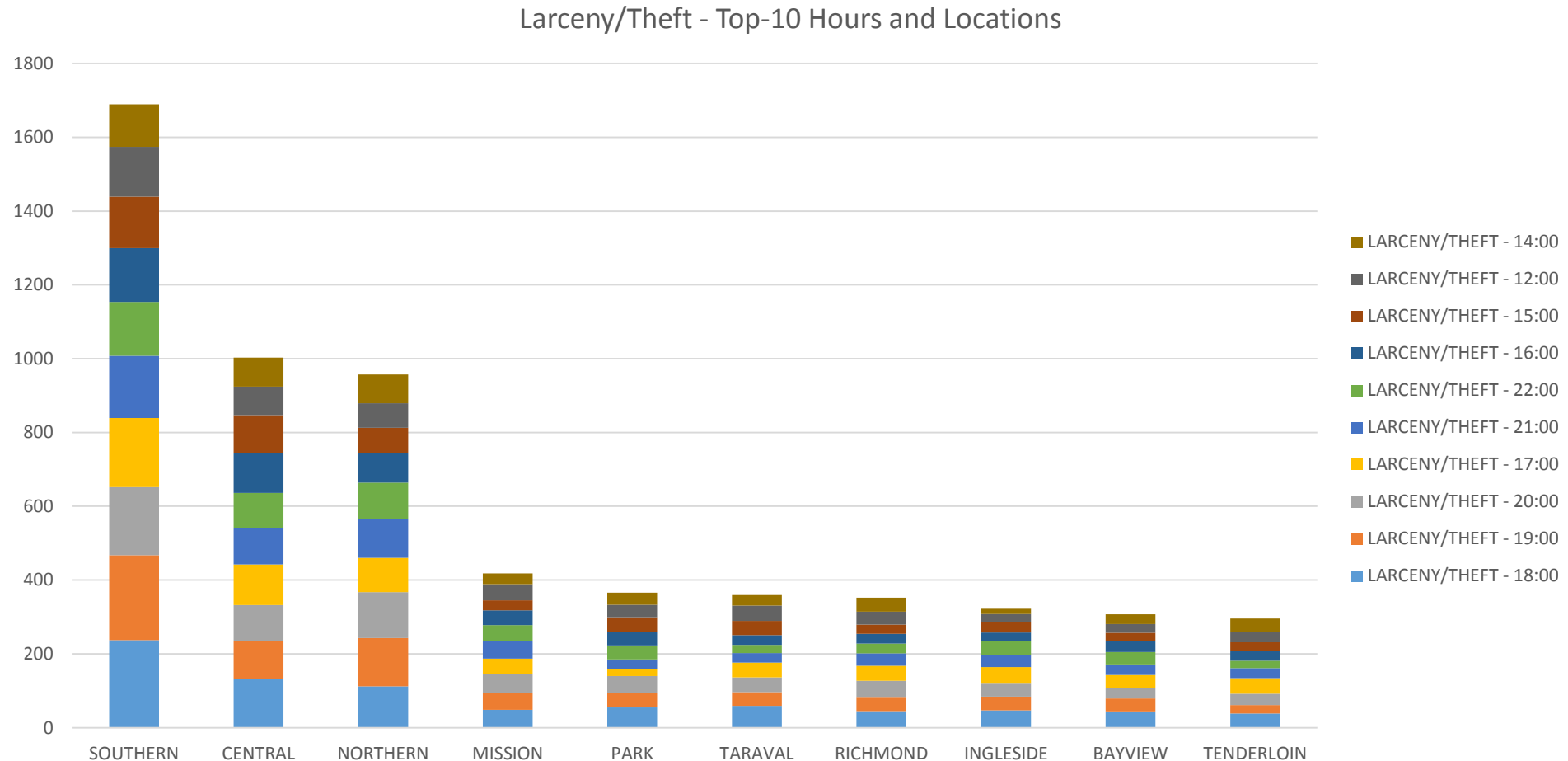
Larceny crimes geographic location



Geographic location (X, Y) versus District

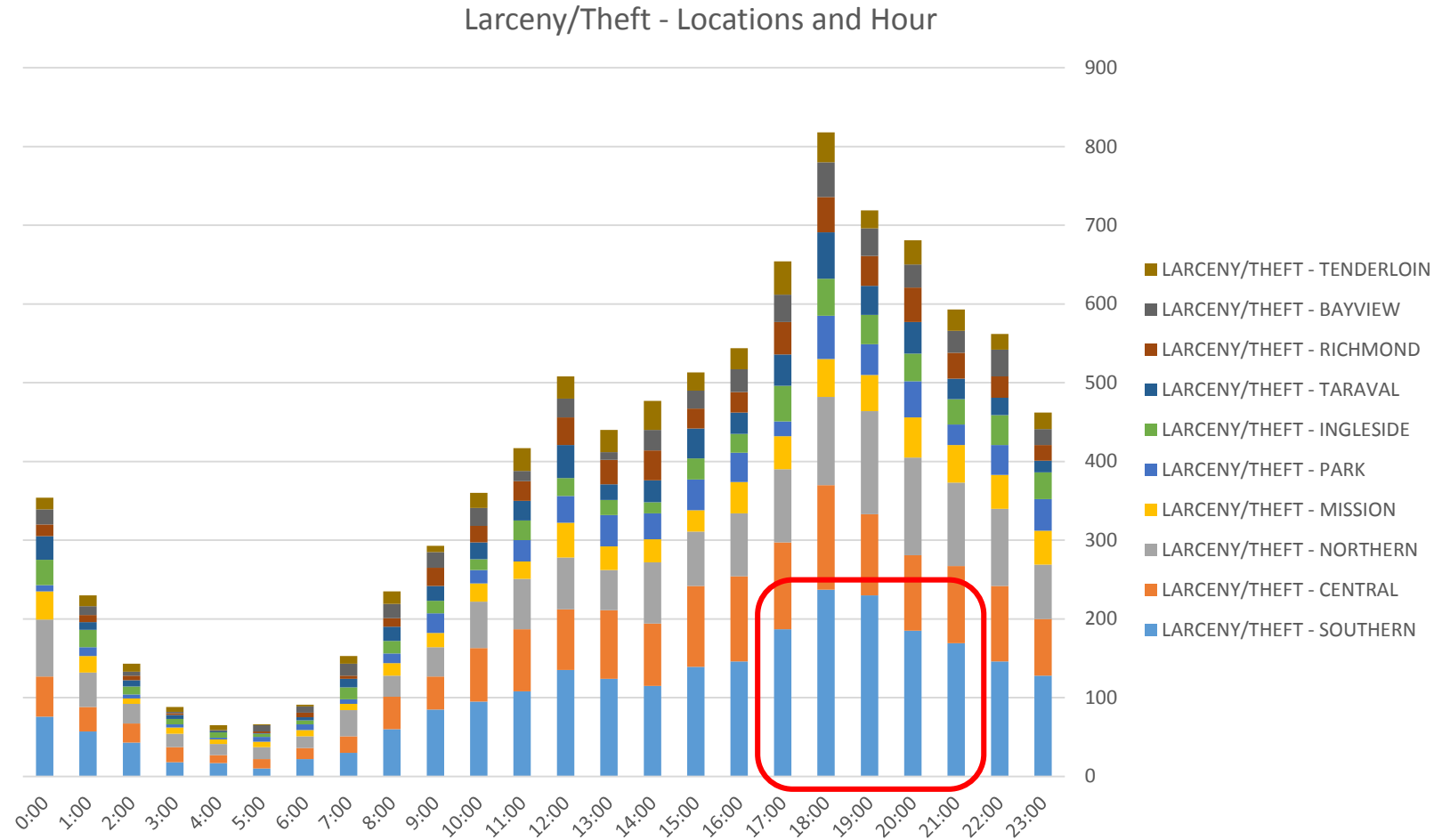
- **Larceny/Theft** locations do not seem to change with the day of the week
- The main crime concentrations appear to be in the top-right corner of the map

In which Districts and at what time should we focus ?



- Most Larceny/Thefts happen in the **Southern District, between the hours 17:00 and 22:00, peaking at 18:00**
- Our police forces should preferably patrol this area at this time, to make the maximum impact on crime reduction

Conclusion



- To achieve the maximum impact on crime reduction, our police forces should preferably patrol the **Southern District** between 17:00 and 21:00