

# PREDICTING CATEGORY OF CRIME IN SAN FRANCISCO

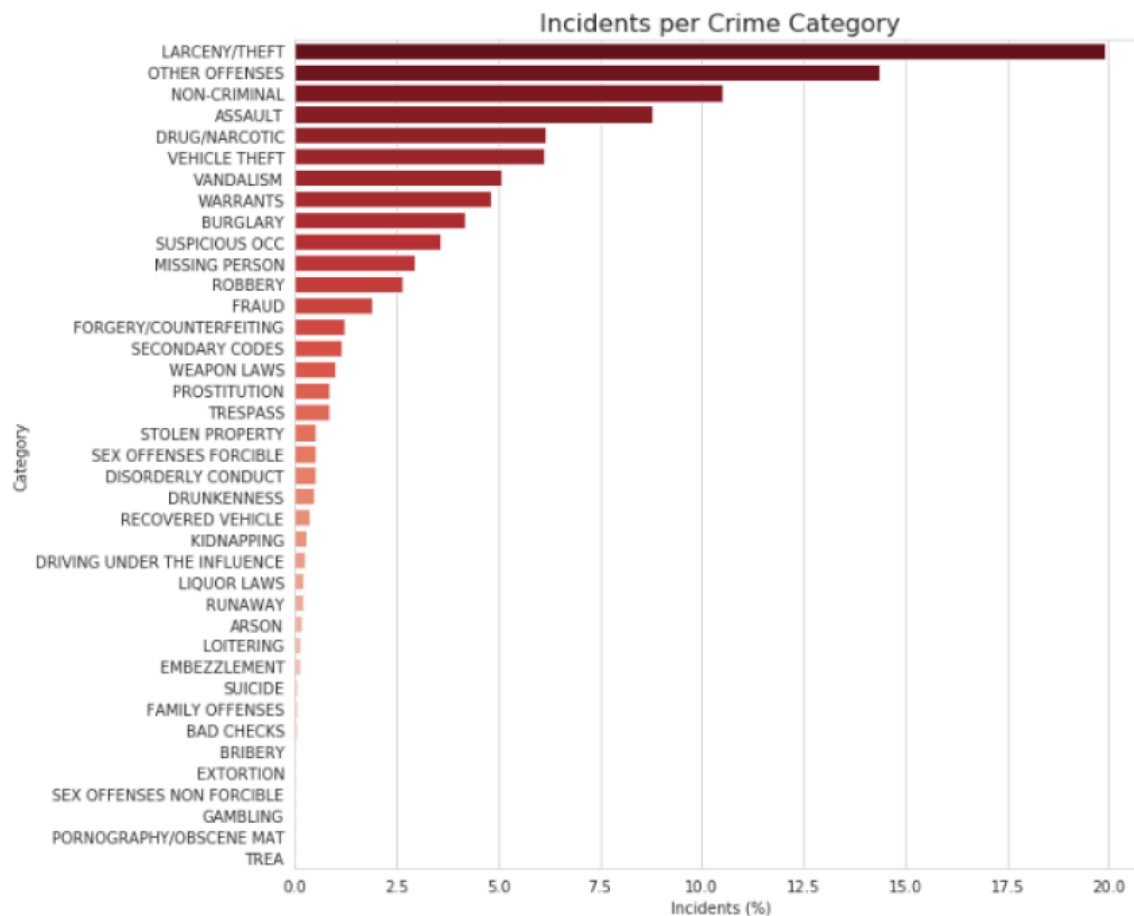
# PREDICTING CATEGORY CRIME IS VALUABLE FOR POLICE

- ◉ Generally police know where are the worst crimes in SF
- ◉ People know where can they robbed or killed
- ◉ City can fight easier with criminality

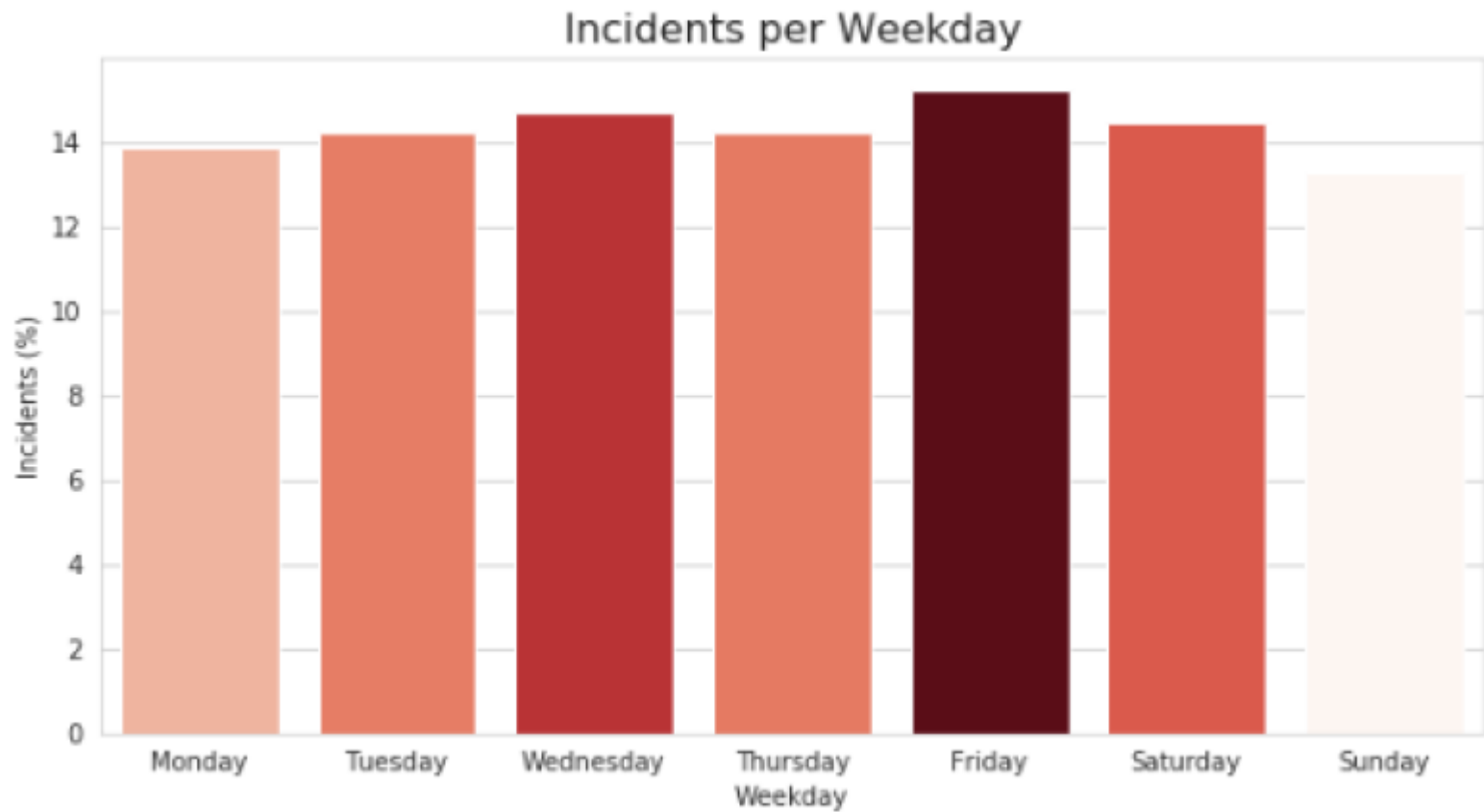
# DATA CLEANING

- ◉ Dataset(2003-2015) from Kaggle dataset
- ◉ In total 875,726 rows with 8 features
- ◉ Duplicates were dropped

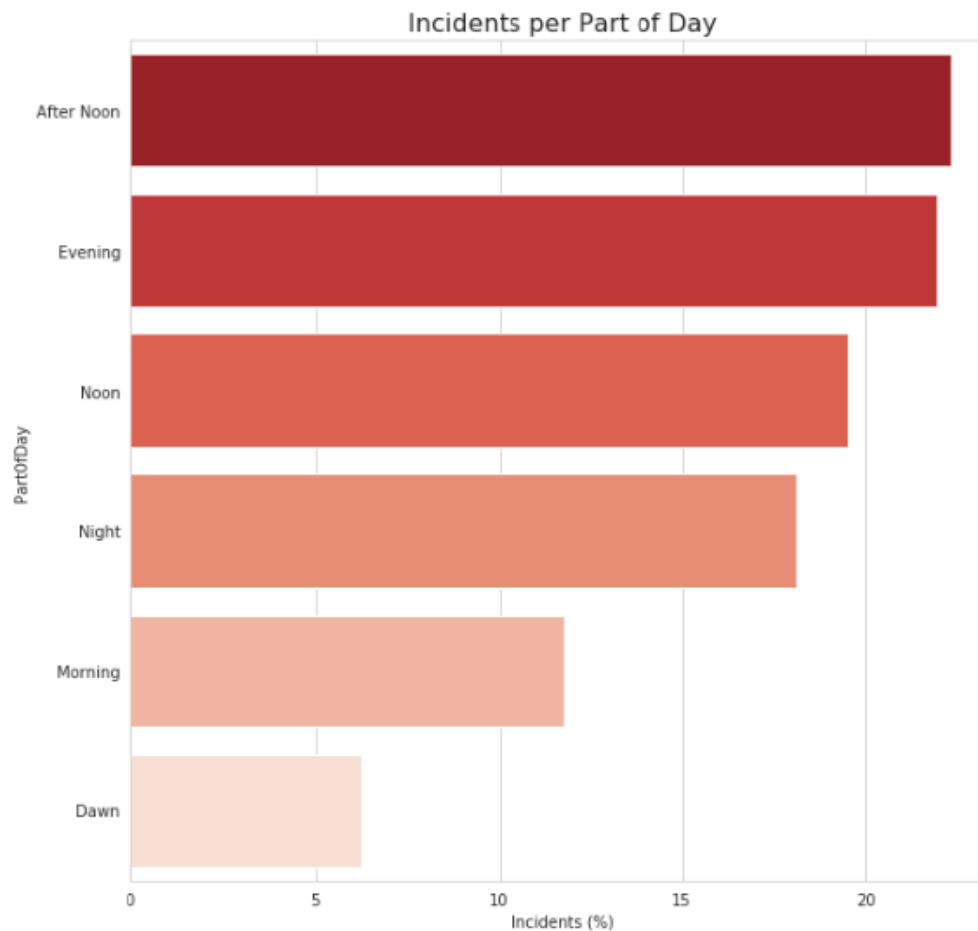
# INCIDENTS PER CRIME CATEGORY



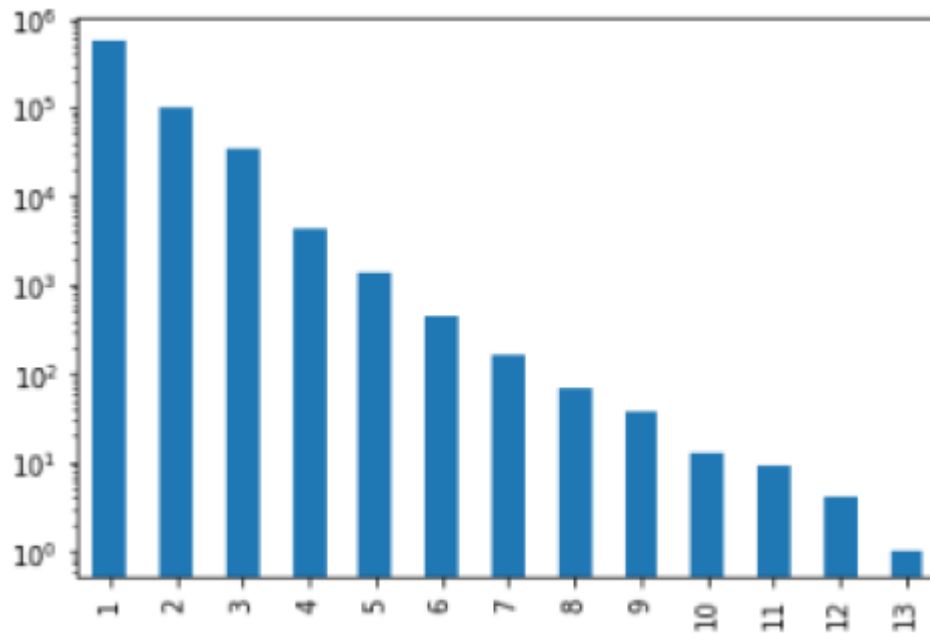
# INCIDENTS PER WEEKDAY



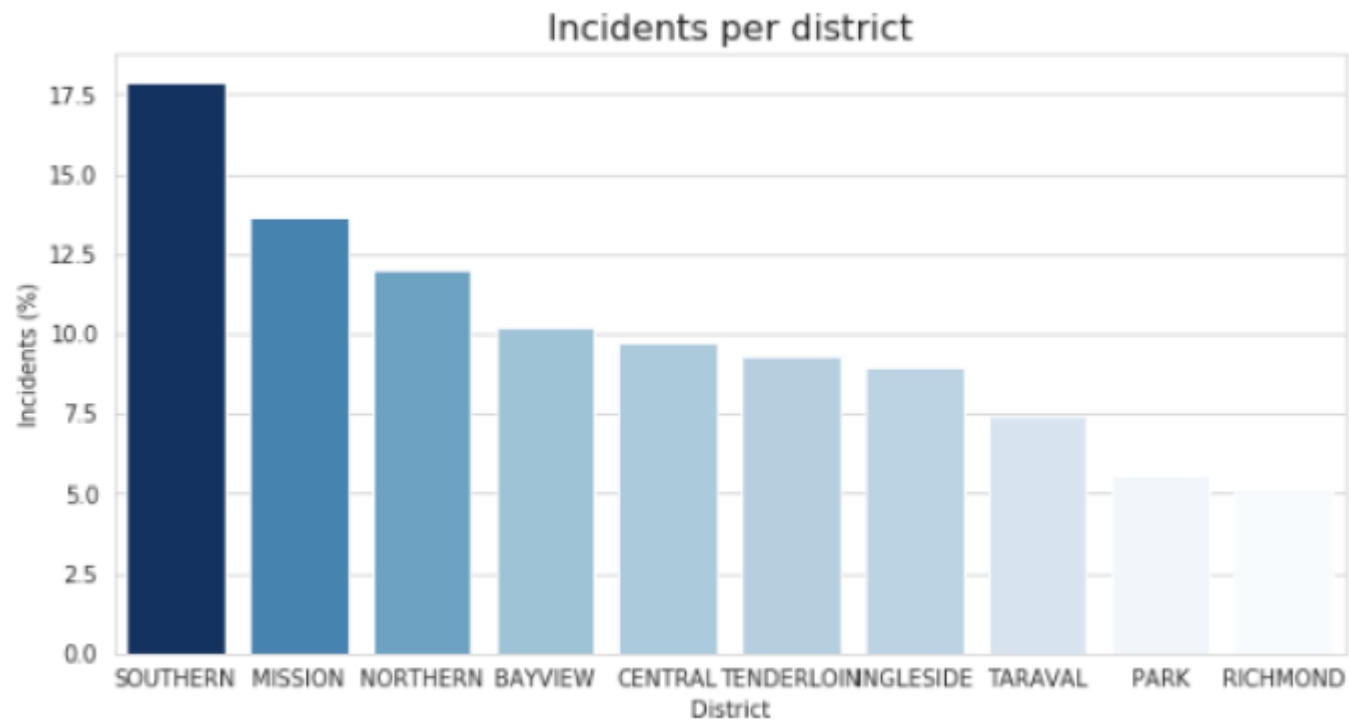
# INCIDENTS PER PART OF DAY



# MULTIPLE CRIMES?



# INCIDENTS PER DISTRICT





# MODELING

	Logistic Regression	Random Forest	Decision	k-Nearest Neighbors
Accuracy(%)	25,3	30,8		24,9

# CONCLUSION AND FUTURE DIRECTIONS

- ◉ Accurate prediction can be sometimes impossible
- ◉ Better and more intermediate models