POLICE DEPARTMENT

Analysis of crimes data in Boston between 2015 and 2019
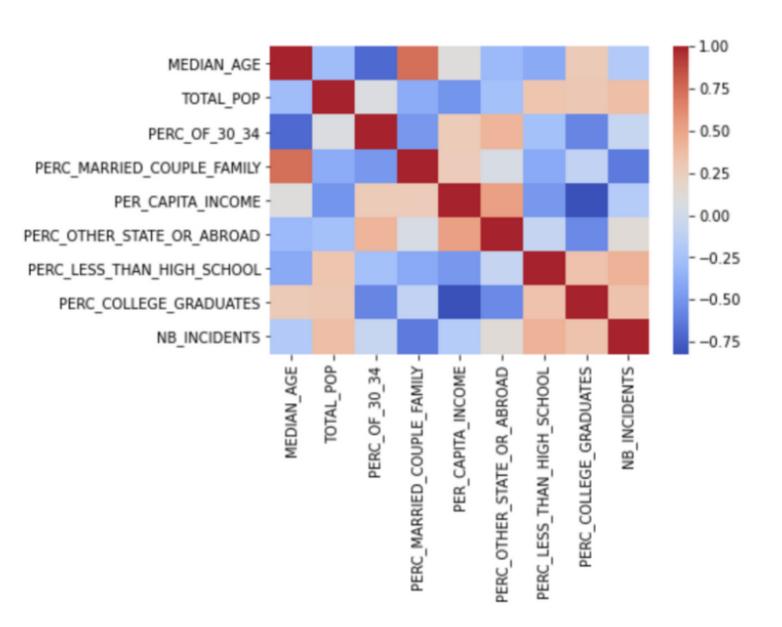
→

Boston crimes

UNCLEAR RESULTS ON SOCIO ECONOMIC DETERMINANT

01 High colinearity between factors leads to unsatisfactory results

02 However, one factor seems important to decrease criminality: percentage of married couples in the population
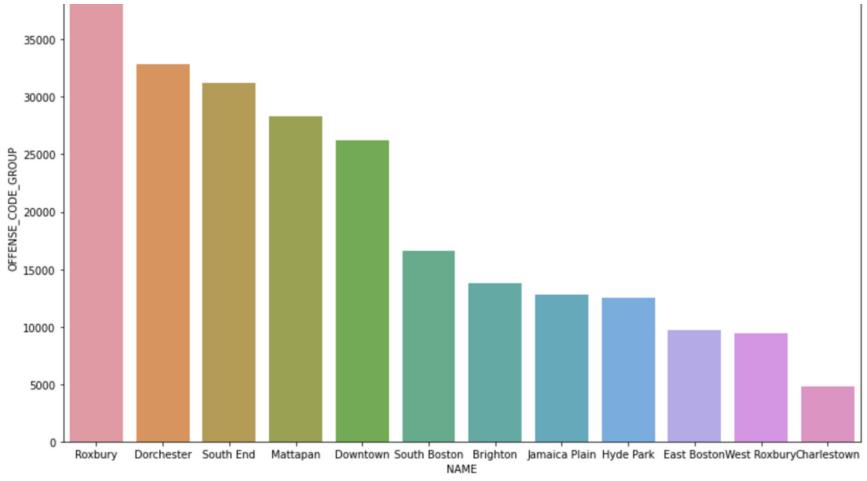
Dataset factors colinearity map

ANALYSIS OF CRIME BY DISTRICT

Number of crimes per district

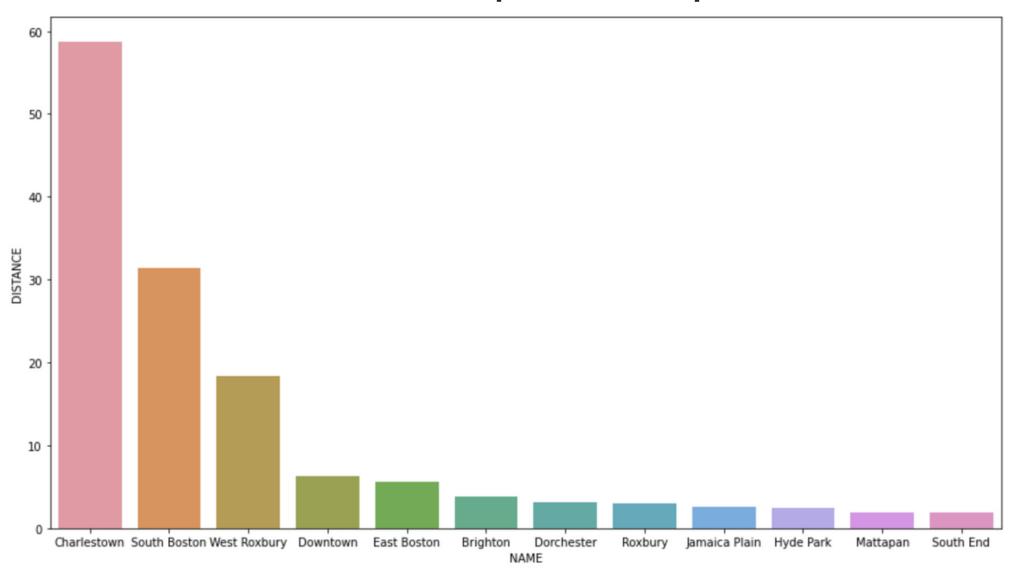Top 3 districts accounts for more than 43% of total incidents

Main incident category per district

NAME	
Brighton	Larceny and vandalism
Charlestown	Larceny and vandalism
Dorchester	Larceny and vandalism
Downtown	Larceny and vandalism
East Boston	Larceny and vandalism
Hyde Park	Larceny and vandalism
Jamaica Plain	Larceny and vandalism
Mattapan	Police investigation procedure
Roxbury	Larceny and vandalism
South Boston	Larceny and vandalism
South End	Larceny and vandalism
West Roxbury	Larceny and vandalism

Larceny and vandalism is the main problem in almost all districts

DISTANCE TO POLICE STATION

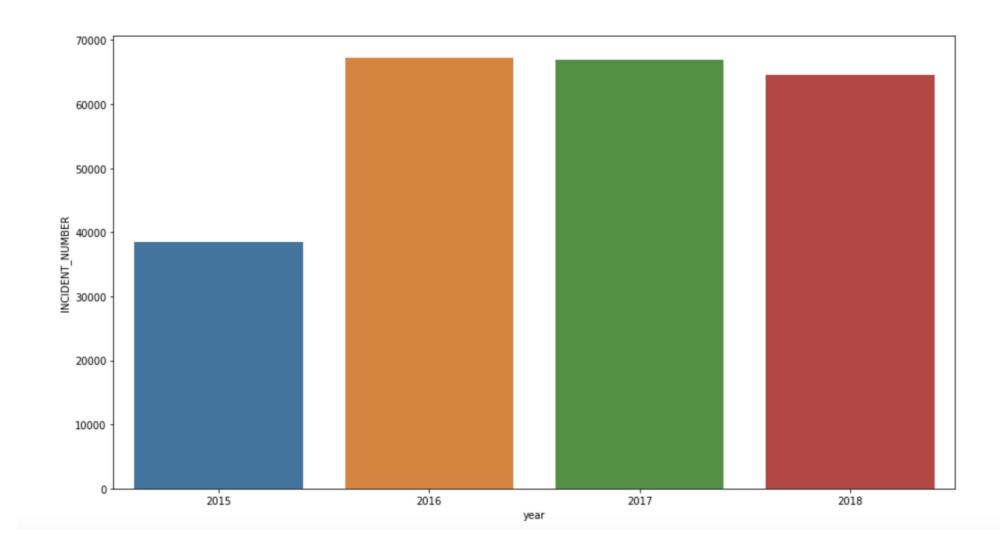Haversine distance to police station per district

3 districts seem to have peculiar behavior regarding incidents compared to their distance to police station

EVOLUTION OF CRIME SINCE 2015

Number of crimes per year since 2015 (2015 data starting from June)

2015 aside (lack of data), we can notice a slight decrease in terms of numbers of incidents