Boston CRIME INCIDENTS REPORTS BY Police District
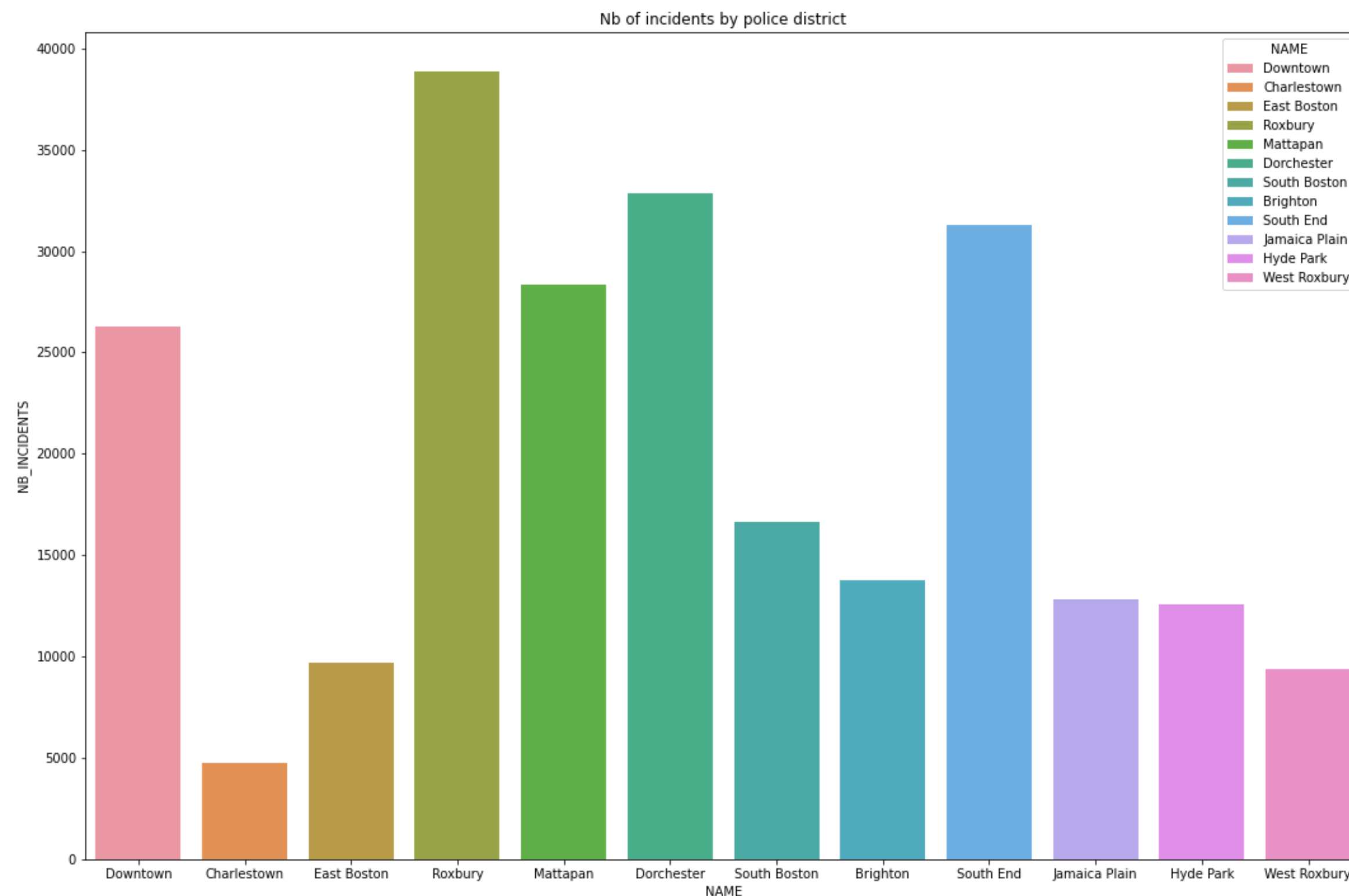

DISTRICT A-1

Description dataset:

237 221 INCIDENTS
Between 2015 - 2019
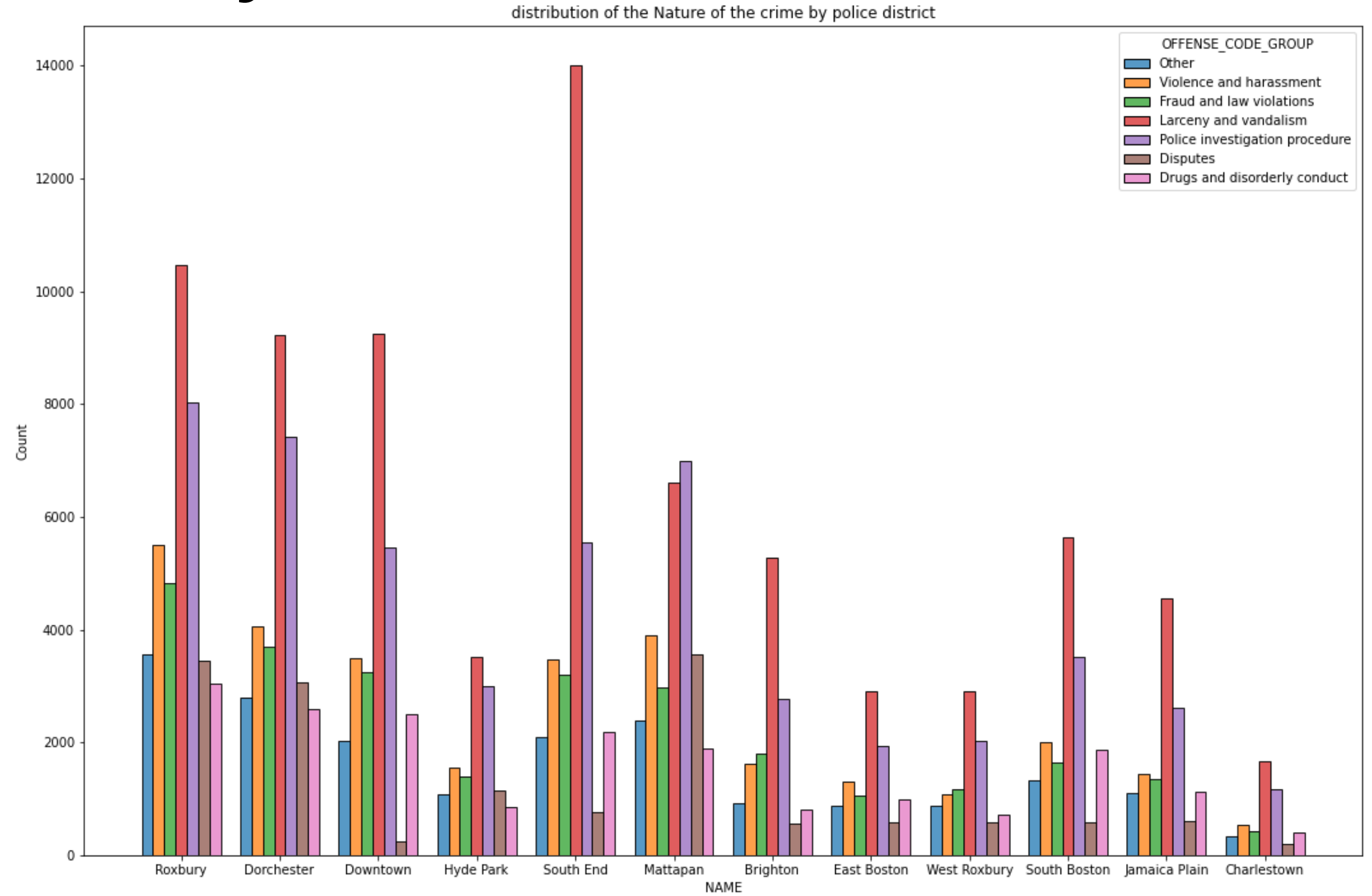
Dataset Unbalanced

Roxbury Dorchester and
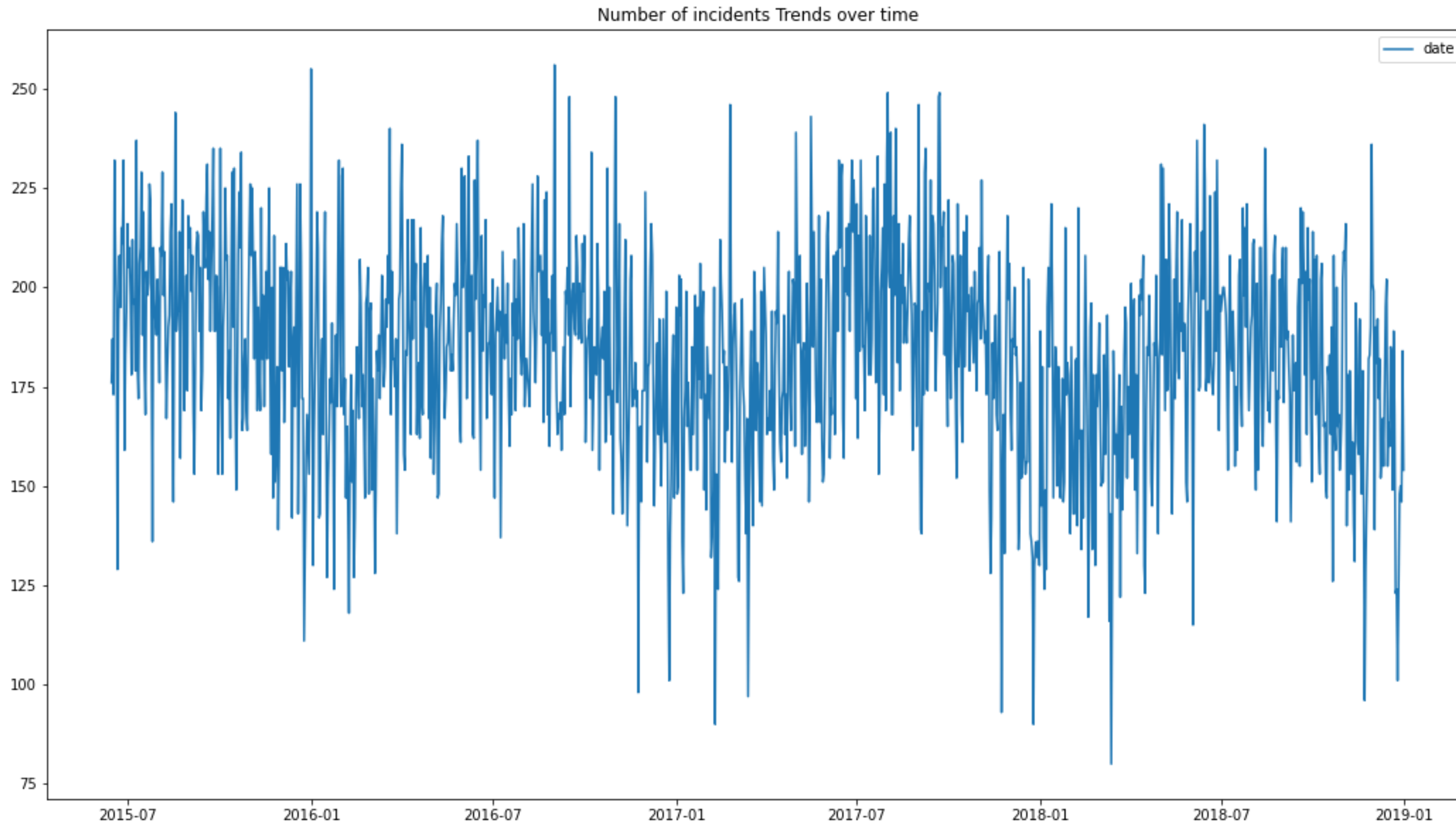South end have the more
numbers of incidents

Nb of incidents by police district

Nature of the crimes by district:

Larcency,
Vandalism
&
Police
investigation
Porcedure are the
most crimes in
each district

distribution of the Nature of the crime by police district

Crime trends over time

Number of incidents Trends over time

Conclusion:

The conclusion of this analysis show us that the most common crimes are Larcency, Vandalism & police investigation

3 police districts have a much higher number of
crimes than the others, especially the South End for
vandalism and larcency

However, in the temporal trends, nothing
obvious appears at this time. It might be
interesting to station the data and see if we find a
pattern.
And
then use time series machine learning model
(Sarima, ARIMA or FB prophet to see if they are a
patterns) or RNN MODEL