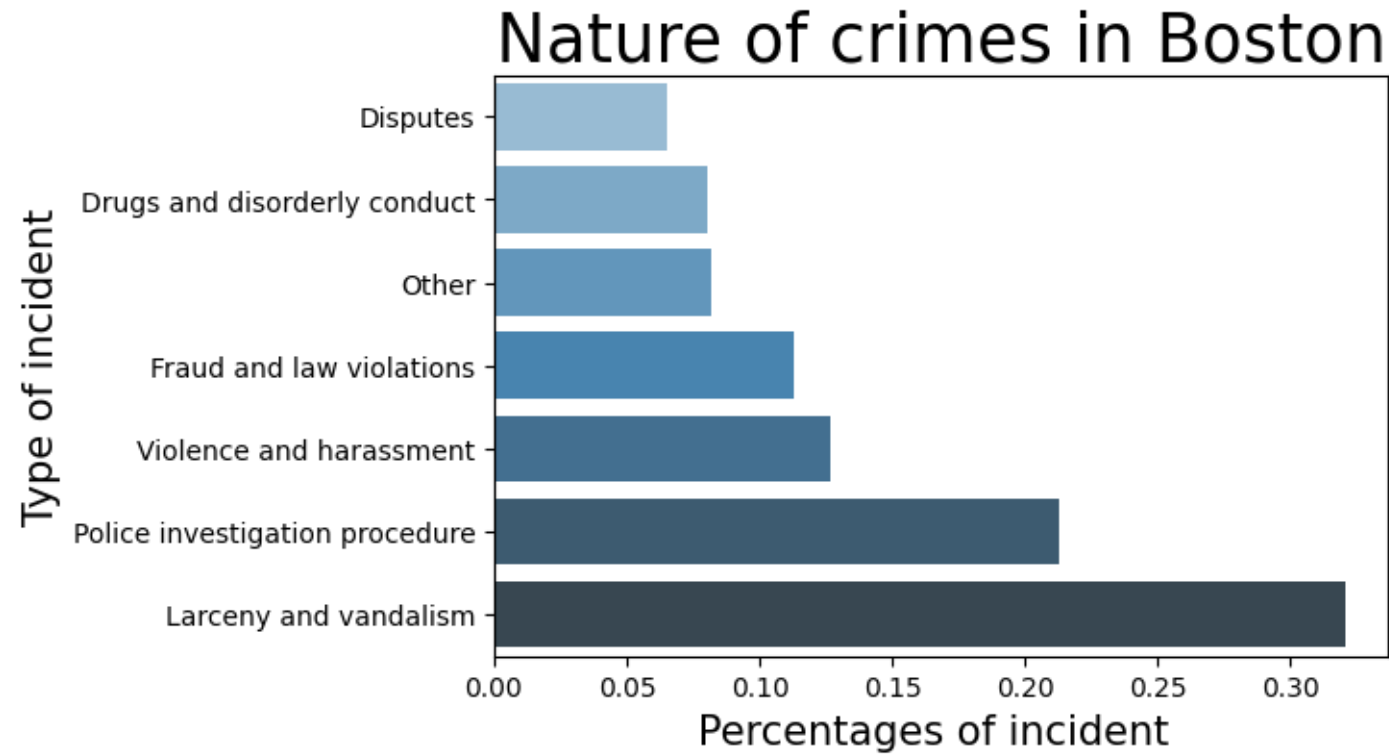


Crimes occurrence analysis across Boston between 2014 and 2018

Larceny and Vandalism is the most common crime in Boston

Within 4 years, 237,221 crimes were observed in Boston.



➤ Of the 7 crime types, Larceny and Vandalism is the most common (Represents 32.05 % of total crimes)

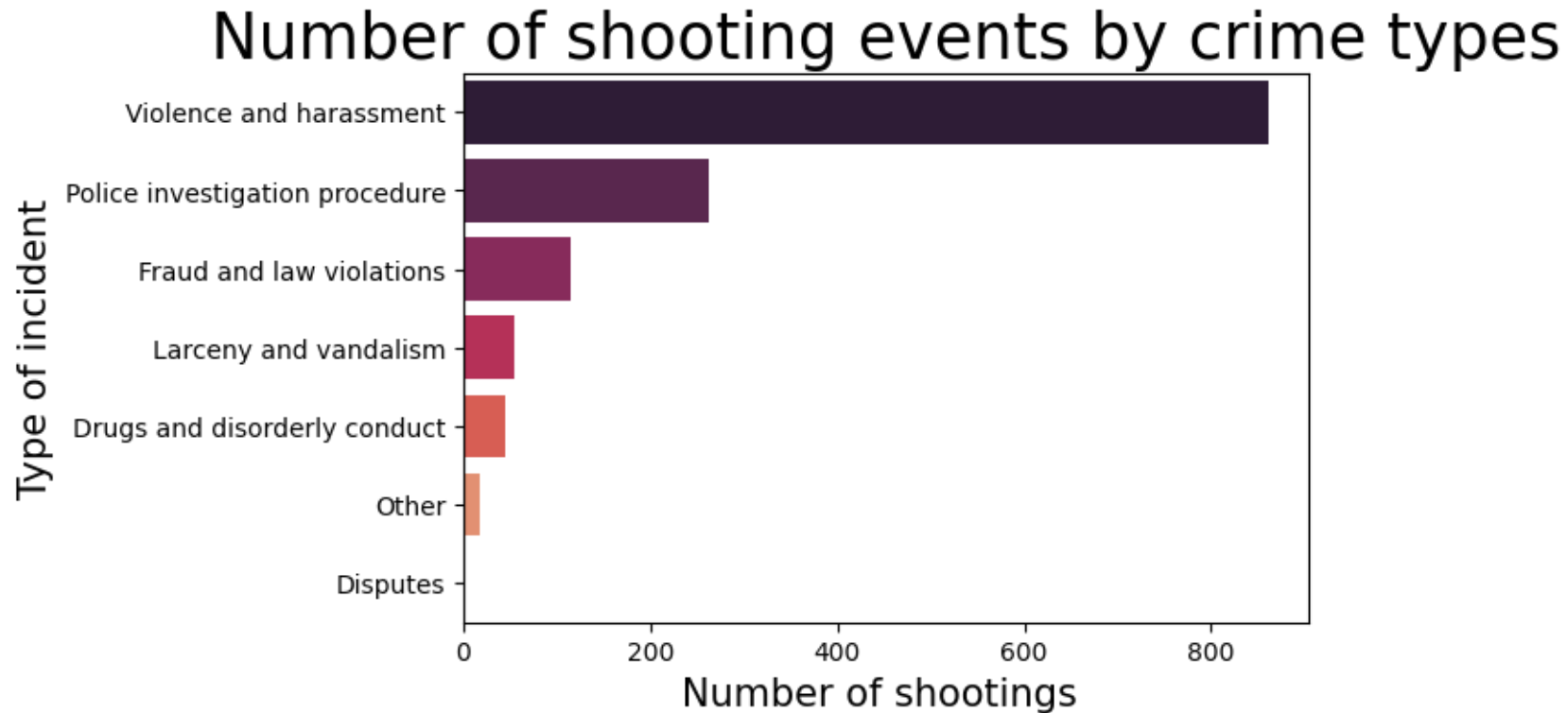
Heterogeneity of crimes importance across districts

Table : Percentages of districts showing the same rank according to crime

	PERC_OF_DISTRICS	RANK
Larceny and vandalism	91.67	1
Police investigation procedure	91.67	2
Violence and harassment	83.33	3
Fraud and law violations	66.67	4
Drugs and disorderly conduct	41.67	5
Other	75.00	6
Disputes	66.67	7

- Across the Boston's districts, the first 3 ranked crimes are often the same (>80% of district share the same crime)
- After the 3rd ranked, the ranking is more instable

1,355 crimes resulted in shooting events in Boston across 4 years



- The majority of the shootings were observed for violence and harassment related crimes (63,5% of events)
- Even if the shooting events occurred only for 0,57% of the total crimes observed in Boston, it still represents 1,355 possible deaths

Conclusion

- We observed 237,221 incident repertoried across Boston during those 4 years (2014-2018)
- Larceny and Vandalism related incidents were the most frequent
- However the occurrence of the different incident types varies across Boston (Districts)
- Even if, the majority of incidents didn't escalate to a shooting event, the number of those events is still high (more than one thousand shooting events)

! It seems to have a year effect !

Suggestion of investigation : Does the year impact the heterogeneity and the number of shooting events ?

