

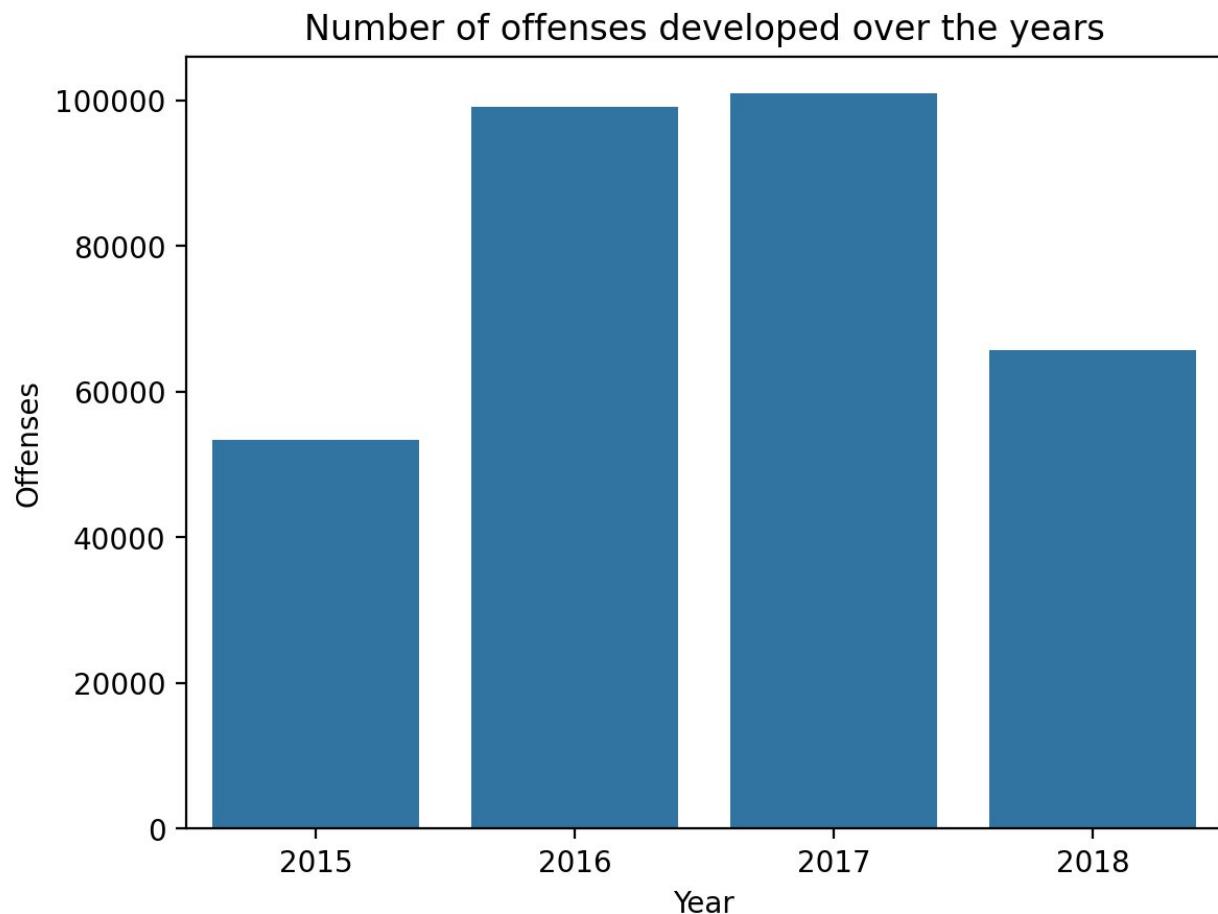
# Crime Statistics Report

Crime Statistics Report.....	1
Offenses over the years.....	1
Which offenses are the most frequent ones?.....	2
Serious offenses over the years.....	2
Why are the total numbers in year 2015 and 2018 so low? .....	3
In which urban areas (district), broken down by year, were most crimes committed?.....	3
In which urban areas (district) are most serious crimes ('Part One') committed?.....	3
Which types of serious crimes ('Part One') occur most frequently in the urban area 'B2'?....	5
Are there (a) times, (b) days or (c) months when more serious crimes ('Part One') occur?.....	6
Do crimes tend to occur at night or during the day?.....	8
When are the most police officers needed?.....	8
How has the number of shootings developed in recent years?.....	9
In which district do most shootings take place?.....	11
In which street do most shootings take place?.....	12
At what times do most shootings take place?.....	12

## Classify Data Types

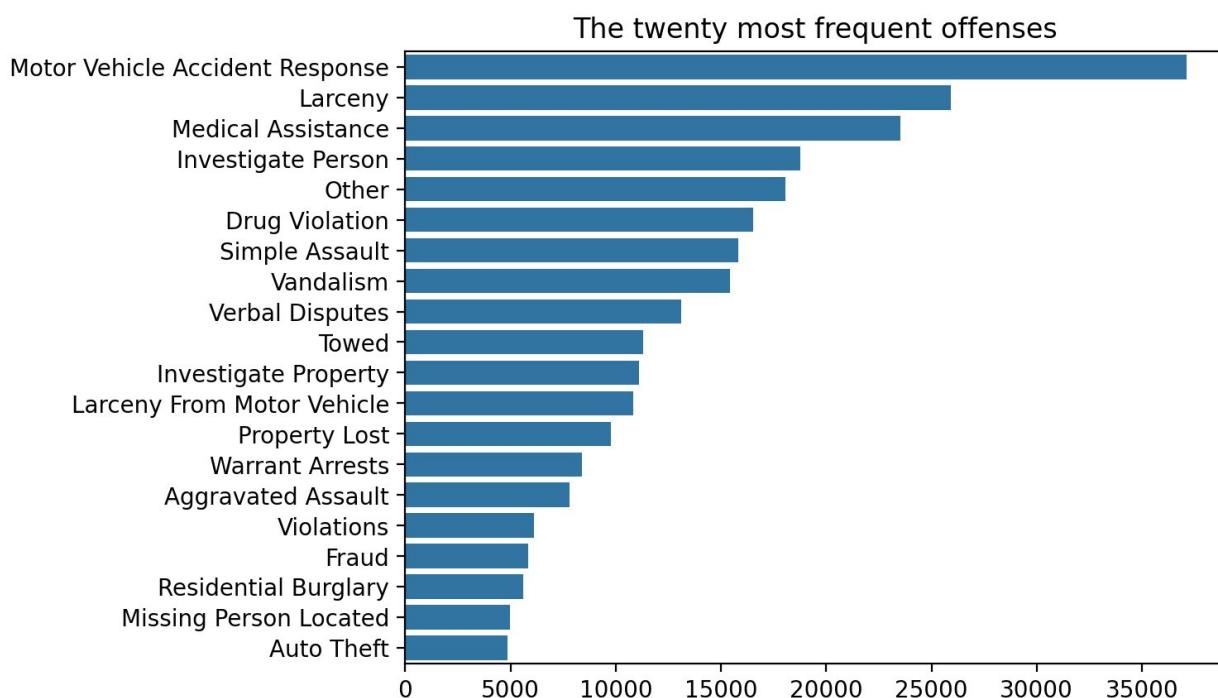
Column	Type	Explanation
INCIDENT_NUMBER	Categorical - Nominal	
OFFENSE_CODE	Categorical - Nominal	
OFFENSE_CODE_GROUP	Categorical - Nominal	
OFFENSE_DESCRIPTION	Categorical - Nominal	
DISTRICT	Categorical - Nominal	
REPORTING_AREA	Categorical - Nominal	
SHOOTING	Categorical - Nominal	
OCCURED_ON_DATE	Numerical - Continuous	
YEAR	Numerical - Continuous	
MONTH	Numerical - Discrete	Months have different sizes (1/2 Month is not defined)
DAY_OF_THE_WEEK	Categorical - Ordinal	Has order (Mon, Tue,...)
HOUR	Numerical - Continuous	
UCR_PART	Categorical - Ordinal	Has order (serious to light)
STREET	Categorical - Nominal	
LAT	Numerical - Continuous	
LONG	Numerical - Continuous	
LOCATION	Numerical - Continuous	

## How has the total number of offenses developed over the years?



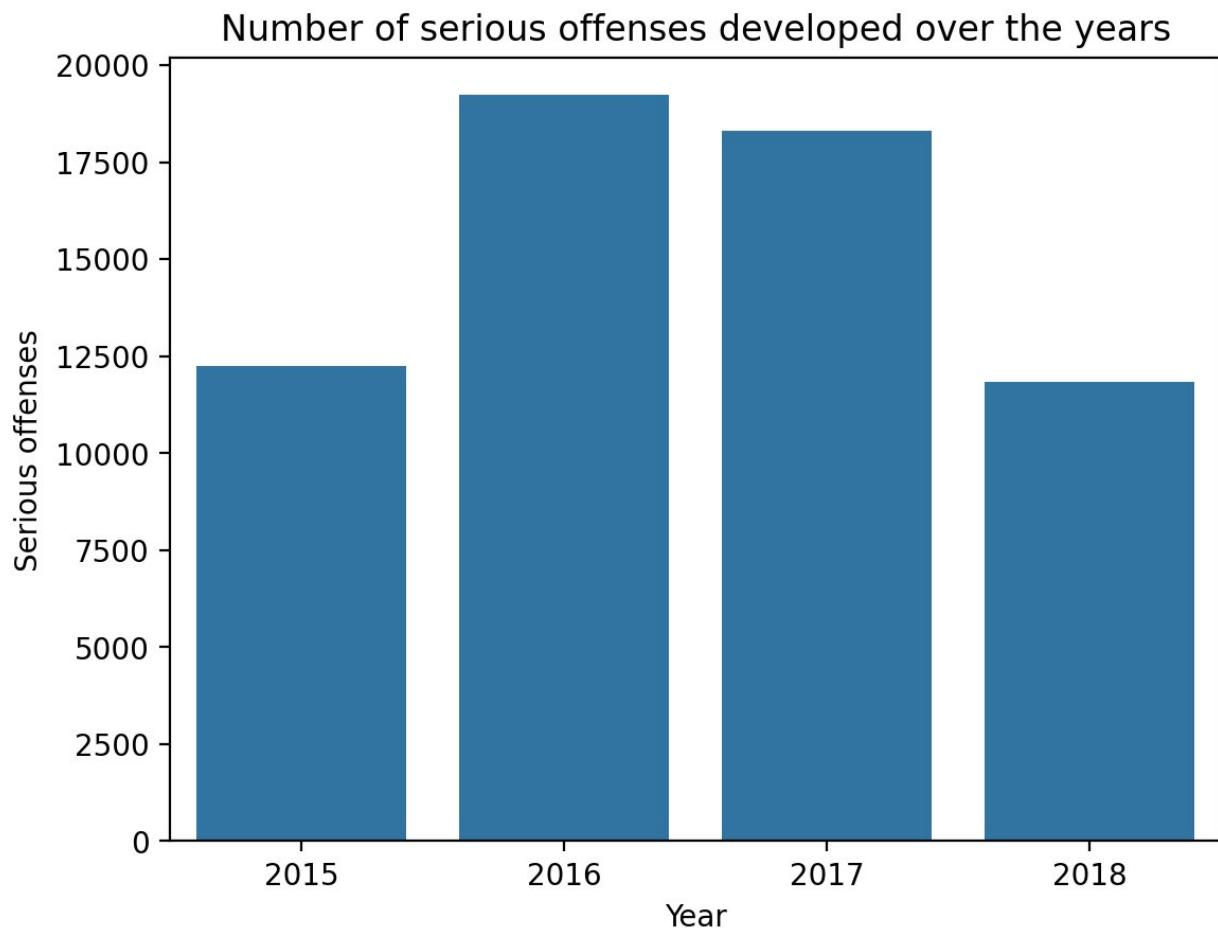
The offenses have risen over the years but we don't have data of the full years of 2015 and 2018.

## Which offenses are the most frequent ones?



The most frequent offenses are Motor Vehicle Accident Response, Larceny and Medical Assistance.

## Serious offenses over the years



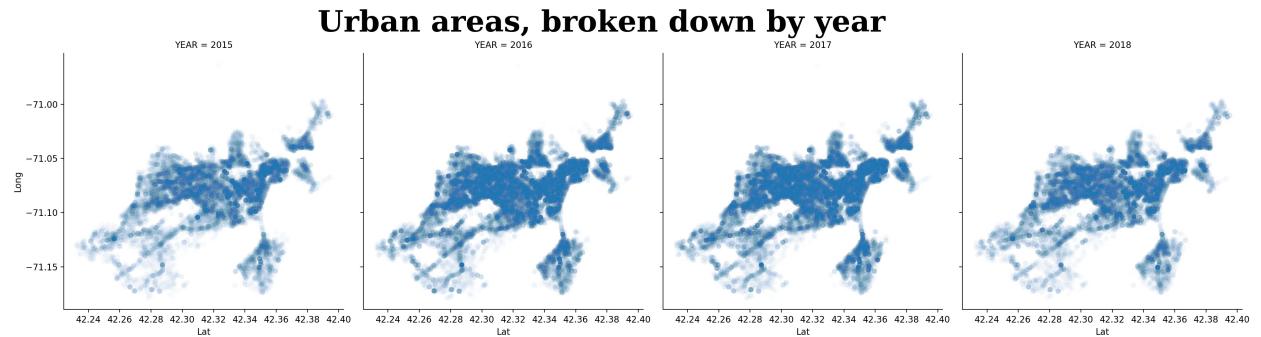
The serious offenses declined over the years. But we don't have the data for the whole year of 2015 and 2018.

## Why are the total numbers in year 2015 and 2018 so low?

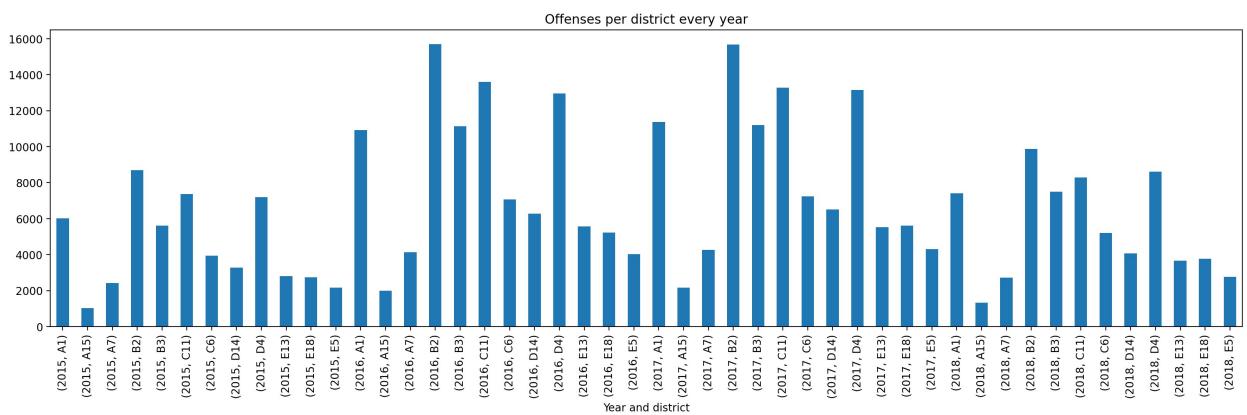
Because tracking started not until June in 2015 and ended in September 2018. In these years we have not data of twelve months.

- First offense tracked: 2015-06-15 00:00:00
- Last offense tracked: 2018-09-03 21:25:00

## In which urban areas (district), broken down by year, were most crimes committed?

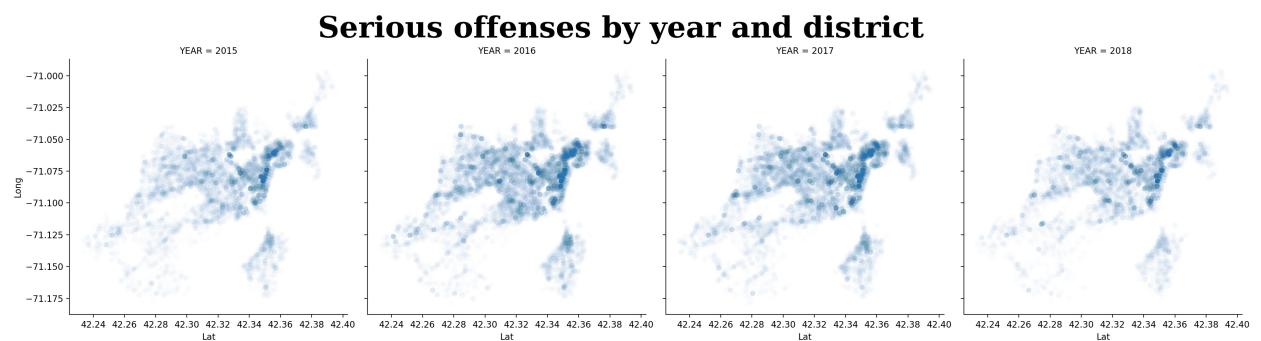


We can see that most offenses happen in the central and eastern districts. Lesser in the western.

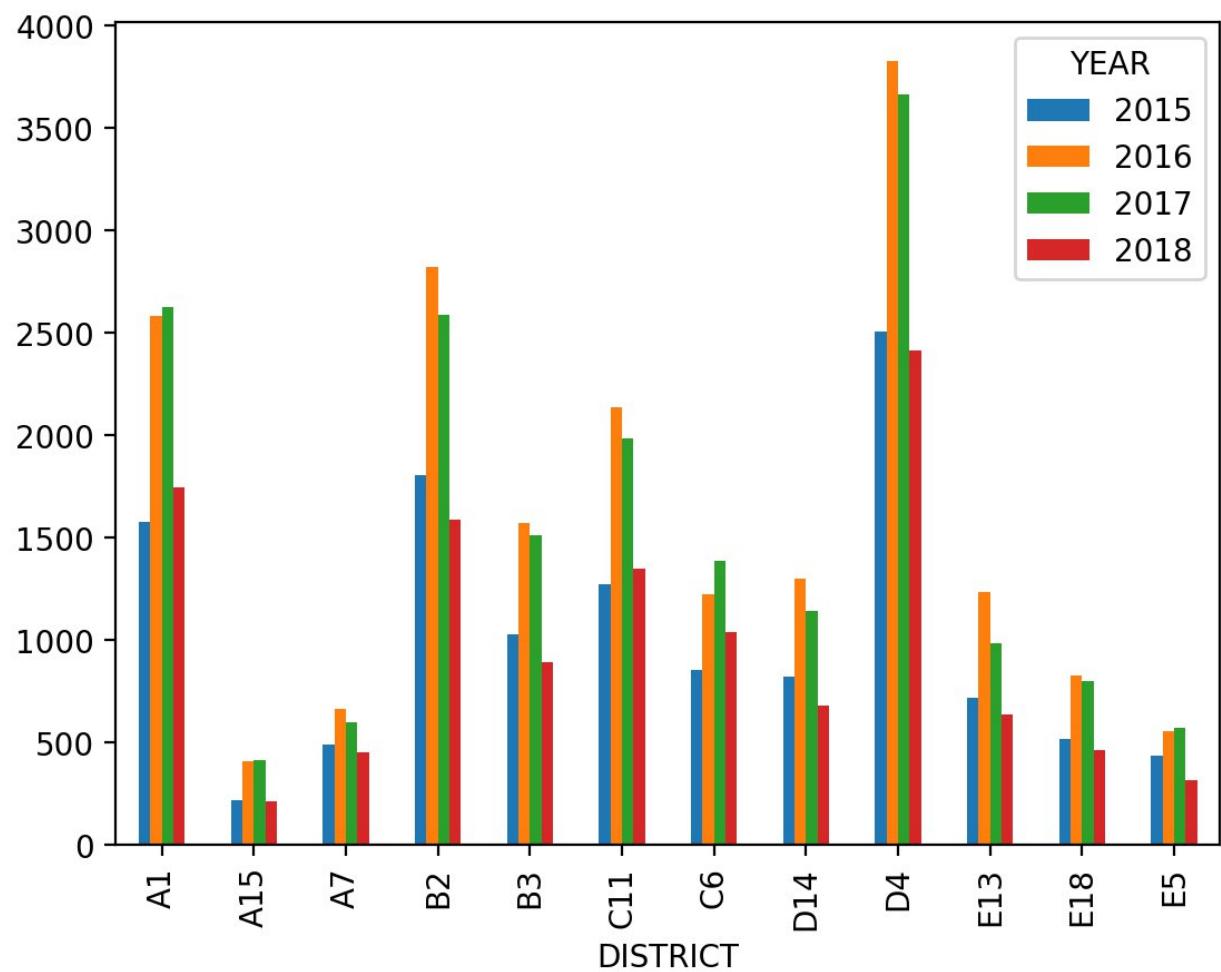


A1, B2, C11 and D4 are crime heavy districts.

## In which urban areas (district) are most serious crimes ('Part One') committed?



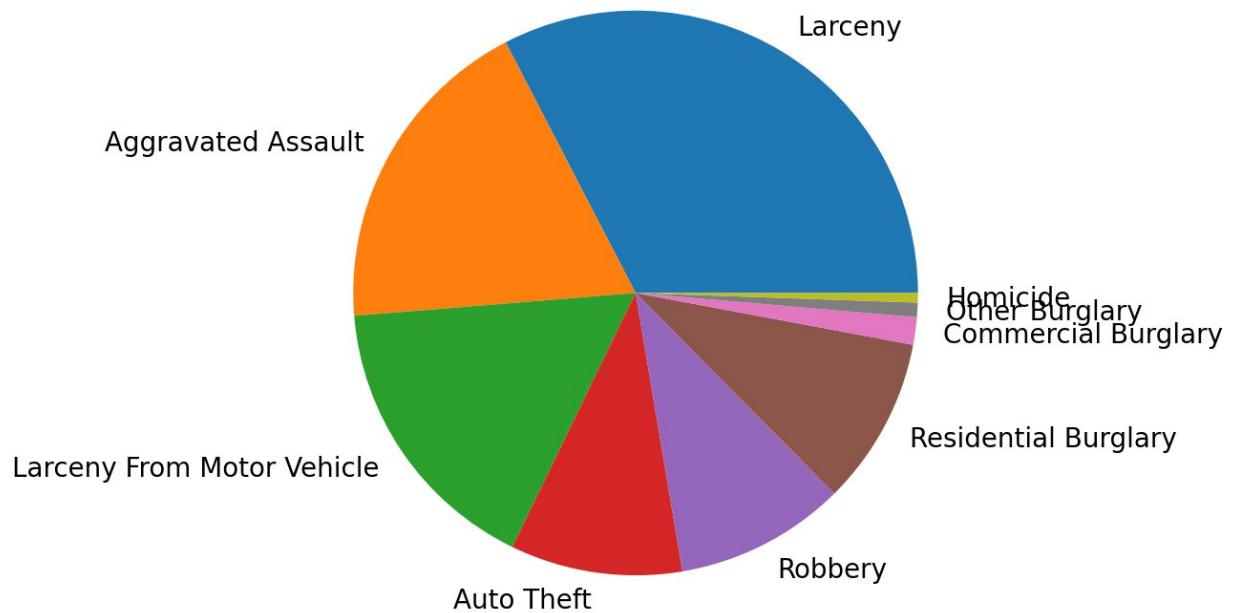
Most serious offenses happen in the eastern districts.



The hotspots are D4, B2 A1 and C11.

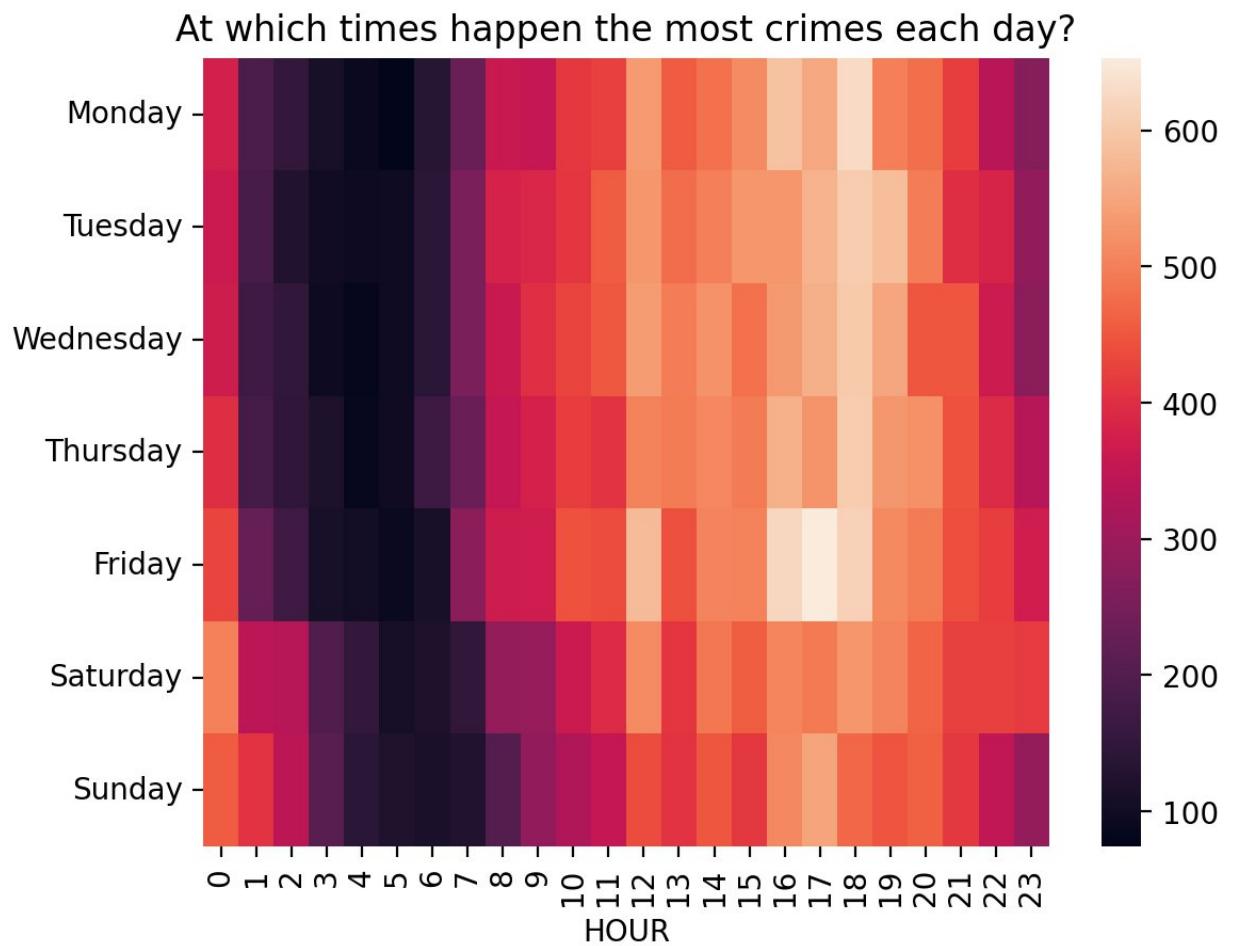
Which types of serious crimes ('Part One') occur most frequently in the urban area 'B2'?

Most frequent serious crimes in district B2



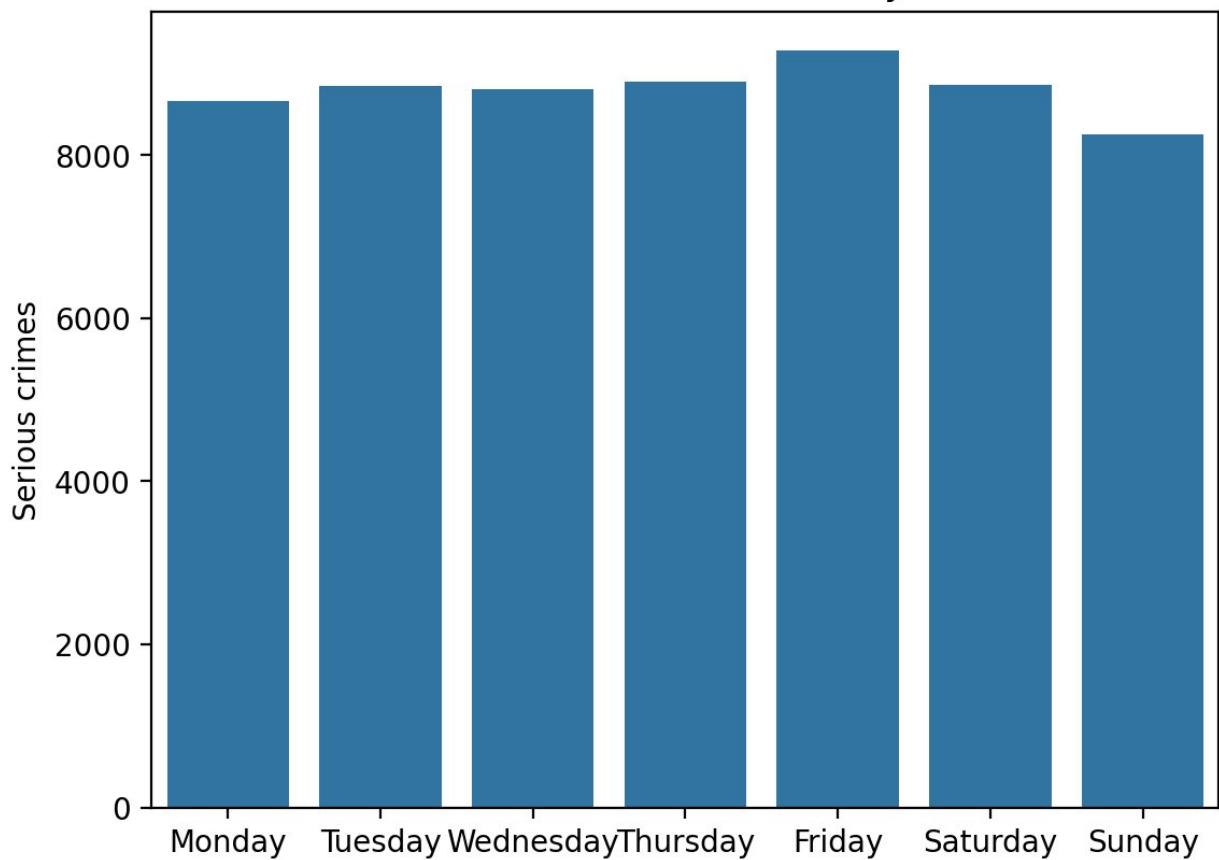
The most frequent serious crimes are Larceny, Aggravated Assault and Larceny from Motor Vehicle.

Are there (a) times, (b) days or (c) months when more serious crimes ('Part One') occur?



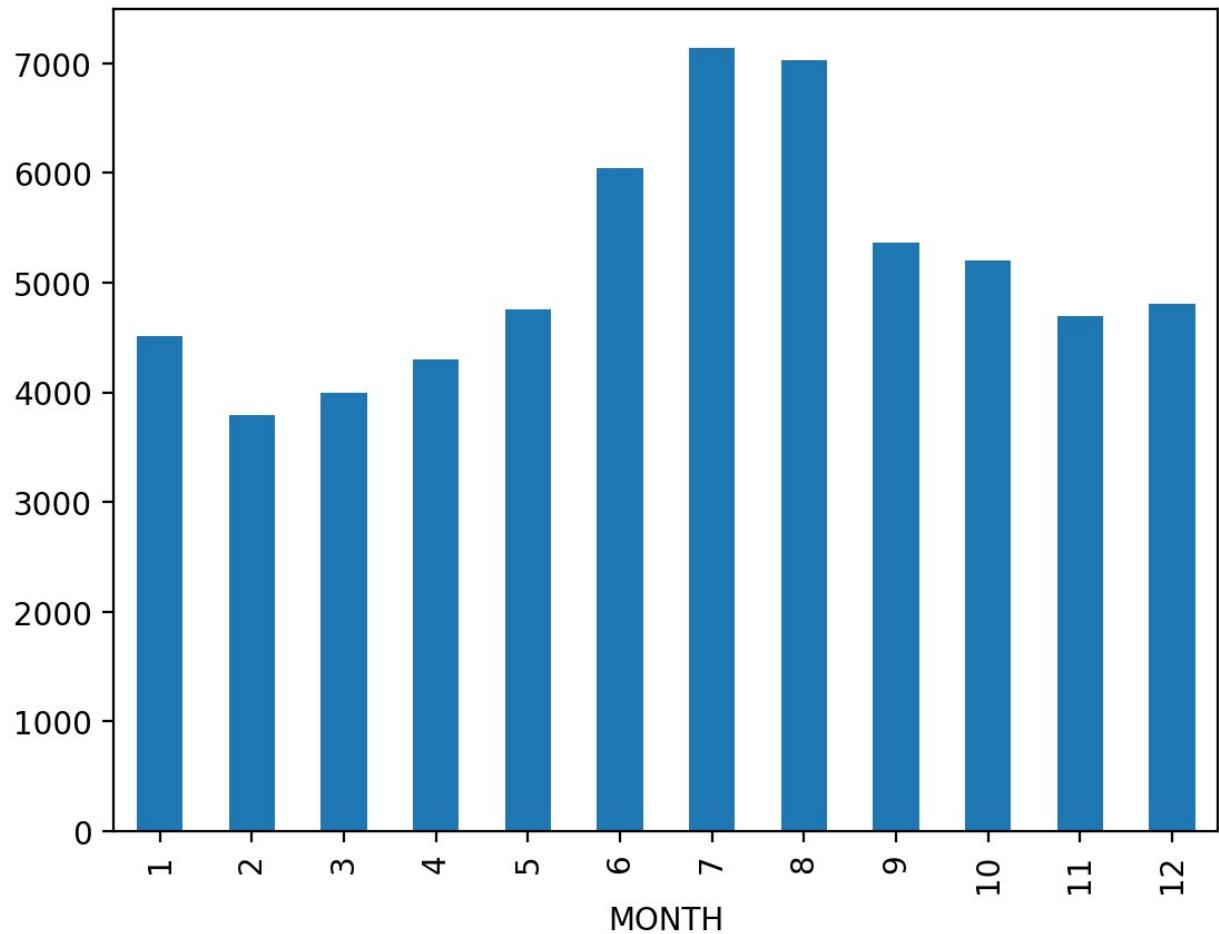
- Serious crimes happen mostly in the night hours from 1 to 8 am.
- On weekdays from 1 to 6 am and on weekends from 4 to 7 am.

Serious crimes each day



On Fridays happen the most crimes and on Sunday the less.

Serious crimes each month



June, July and August are most crime heavy months.

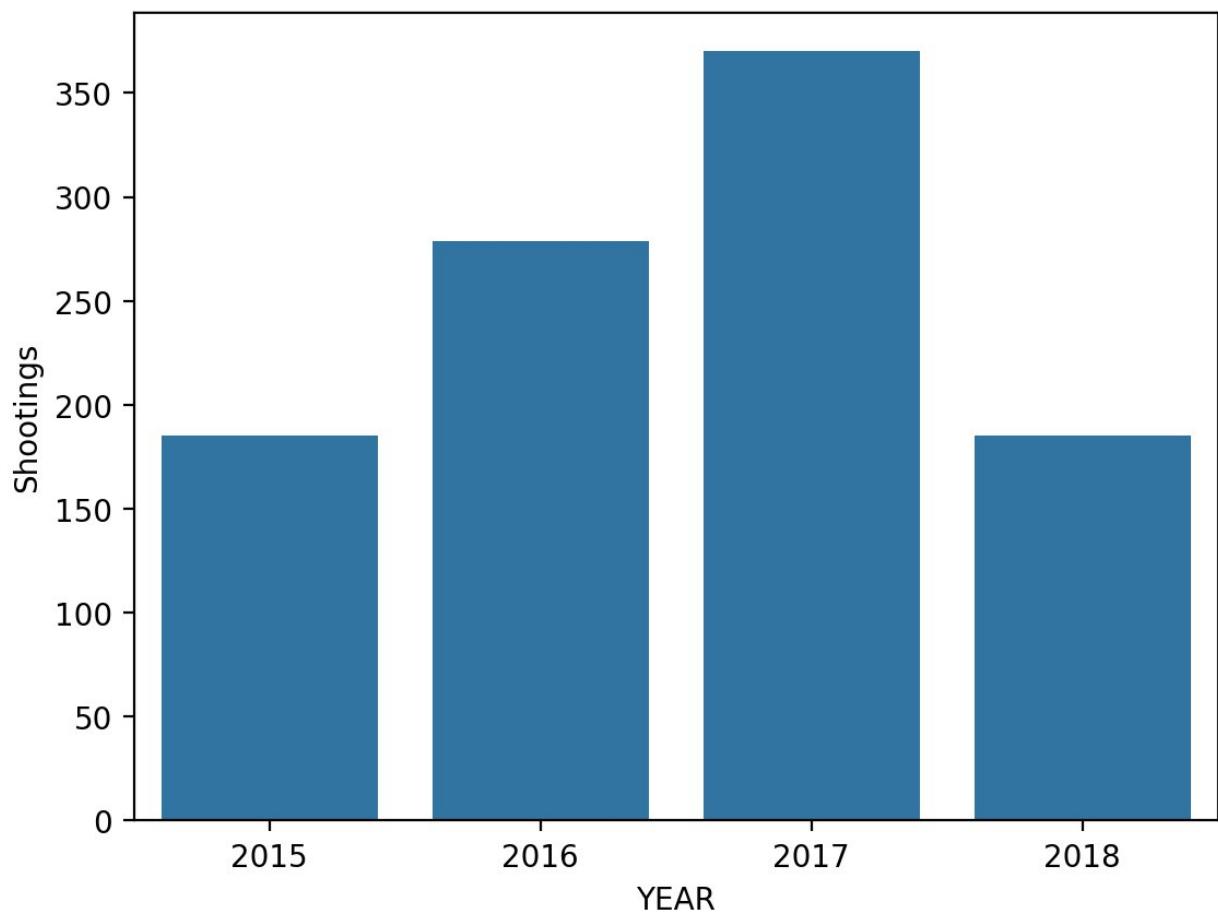
**Do crimes tend to occur at night or during the day?**

More at night.

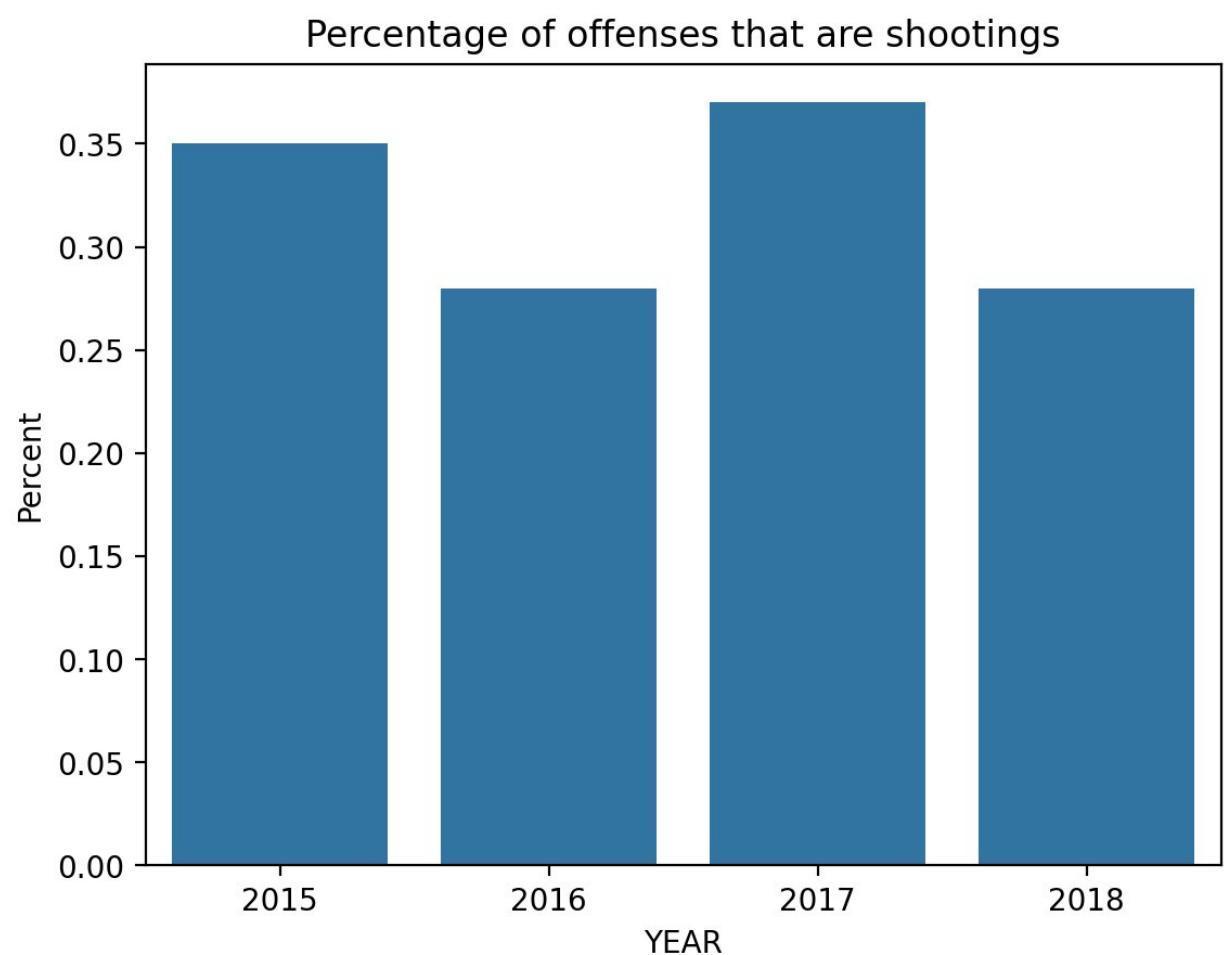
**When are the most police officers needed?**

Fridays in the summer months at night.

## How has the number of shootings developed in recent years?

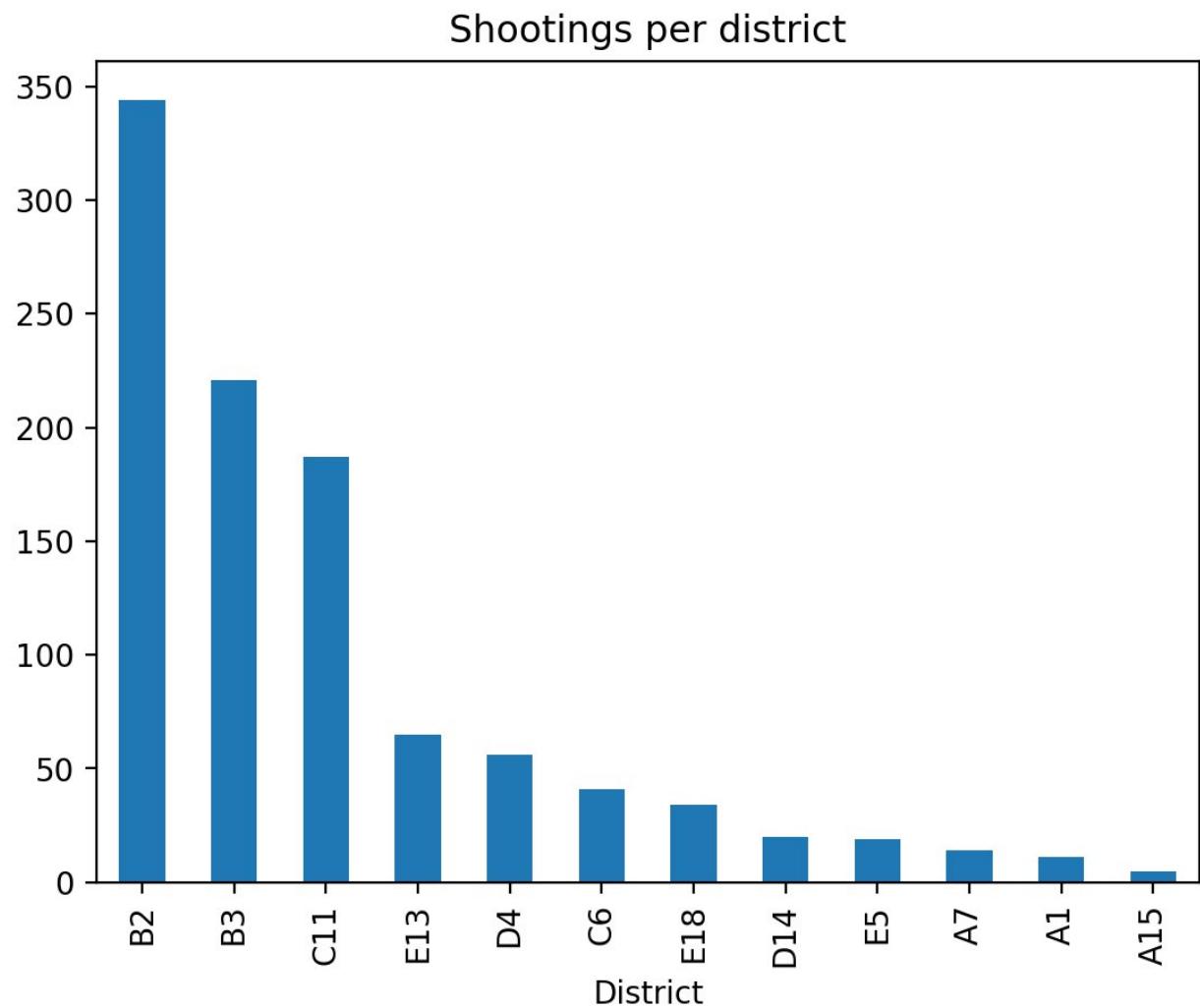


When we look at the absolute values it looks like shootings got more.



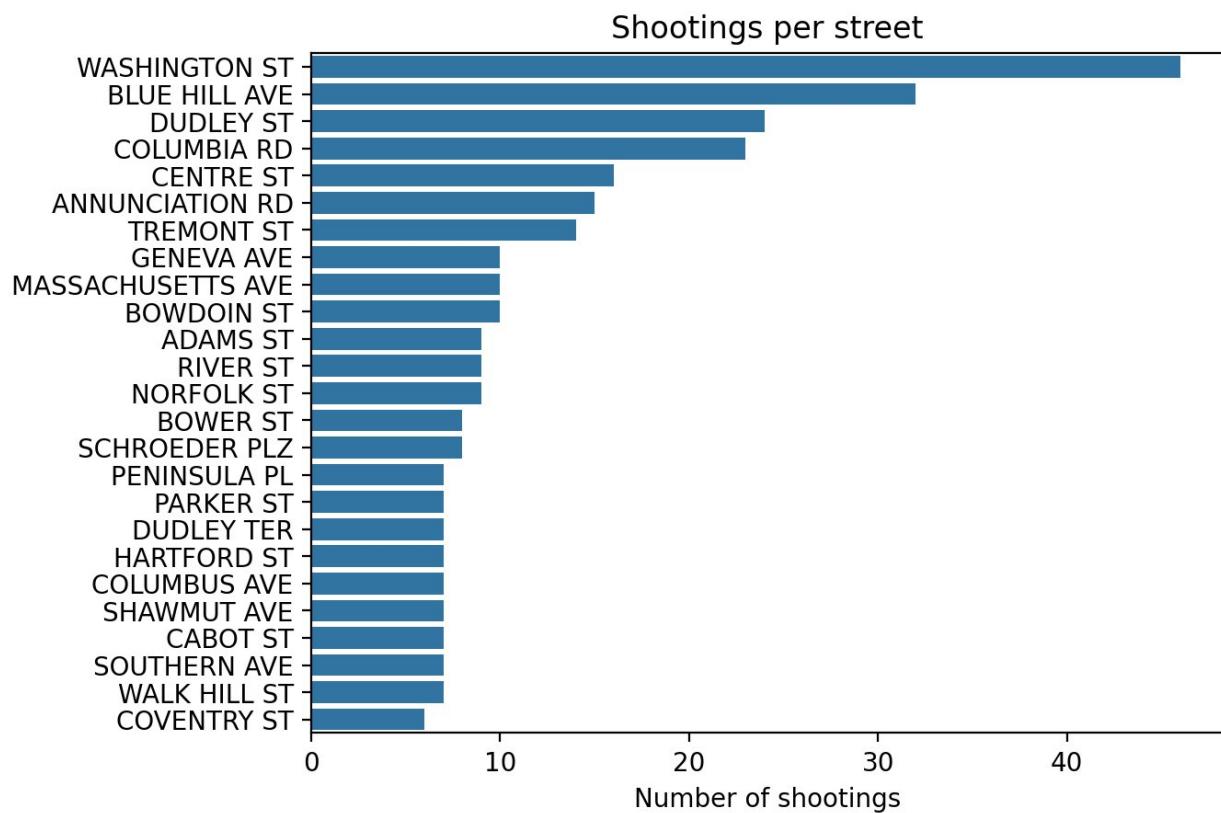
But relative to all offenses we can not see a clear picture.

In which district do most shootings take place?



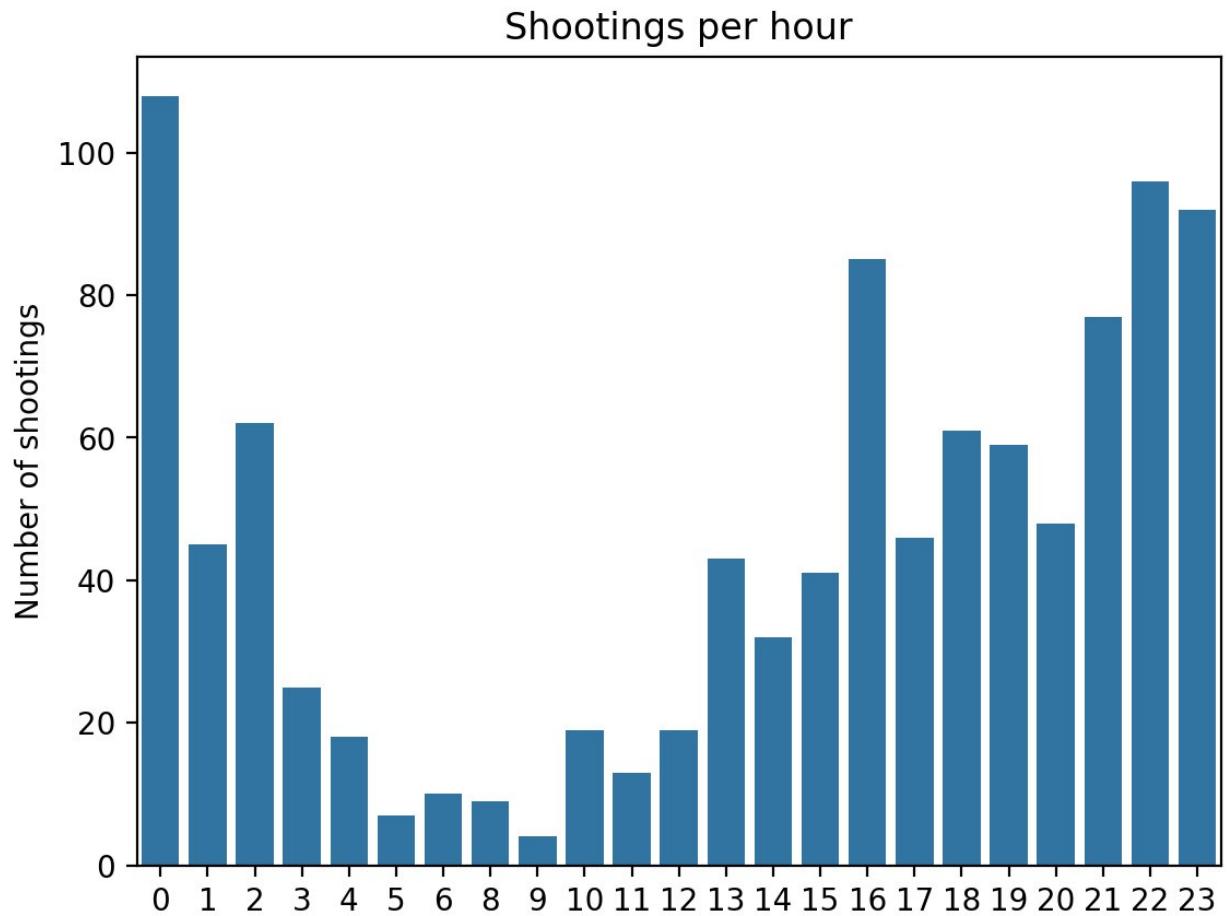
Most shootings took place in B2, B3 and C11.

In which street do most shootings take place?



Washington Street was the street with the most shootings.

At what times do most shootings take place?



Most shootings happened between 10pm and 12pm. Also at 4pm.