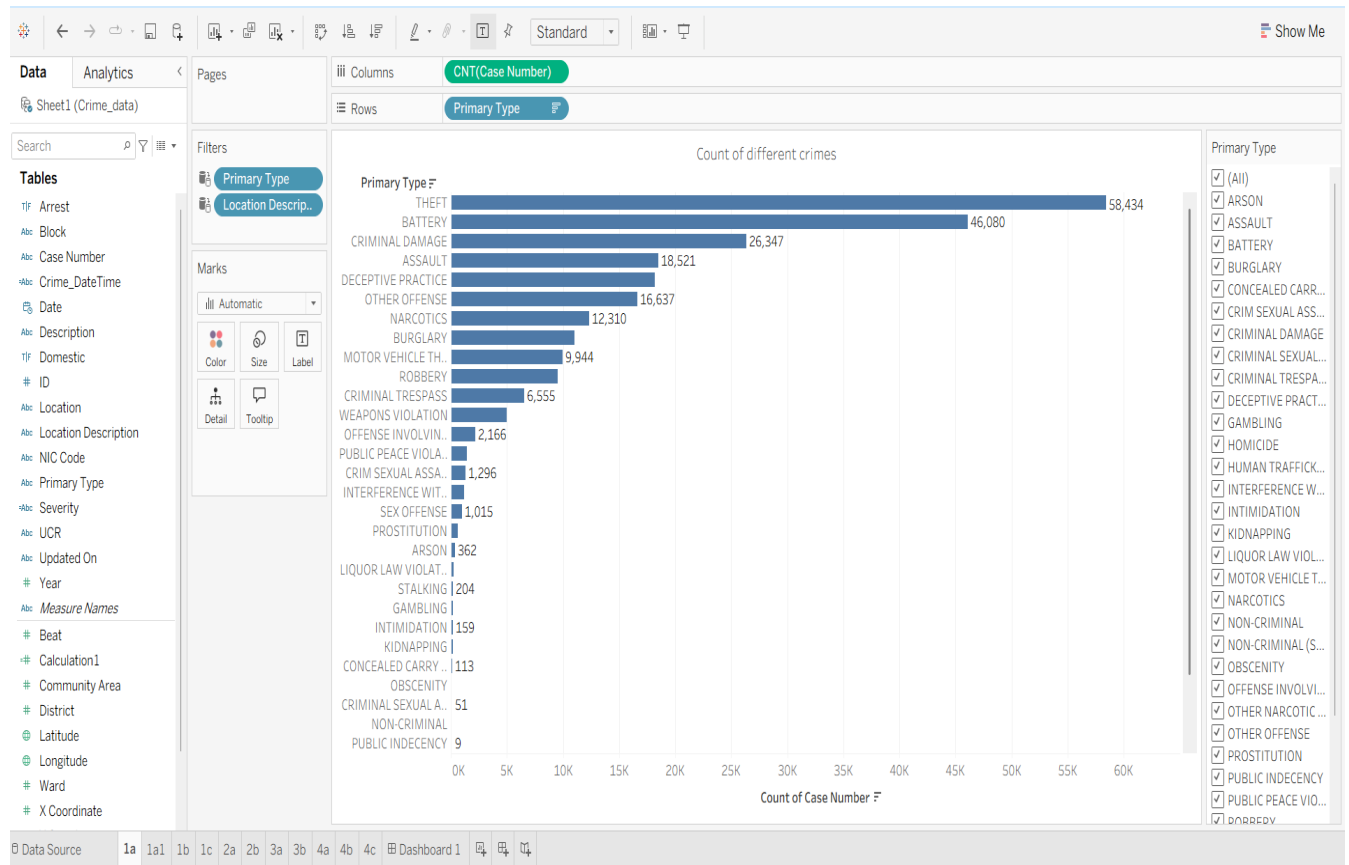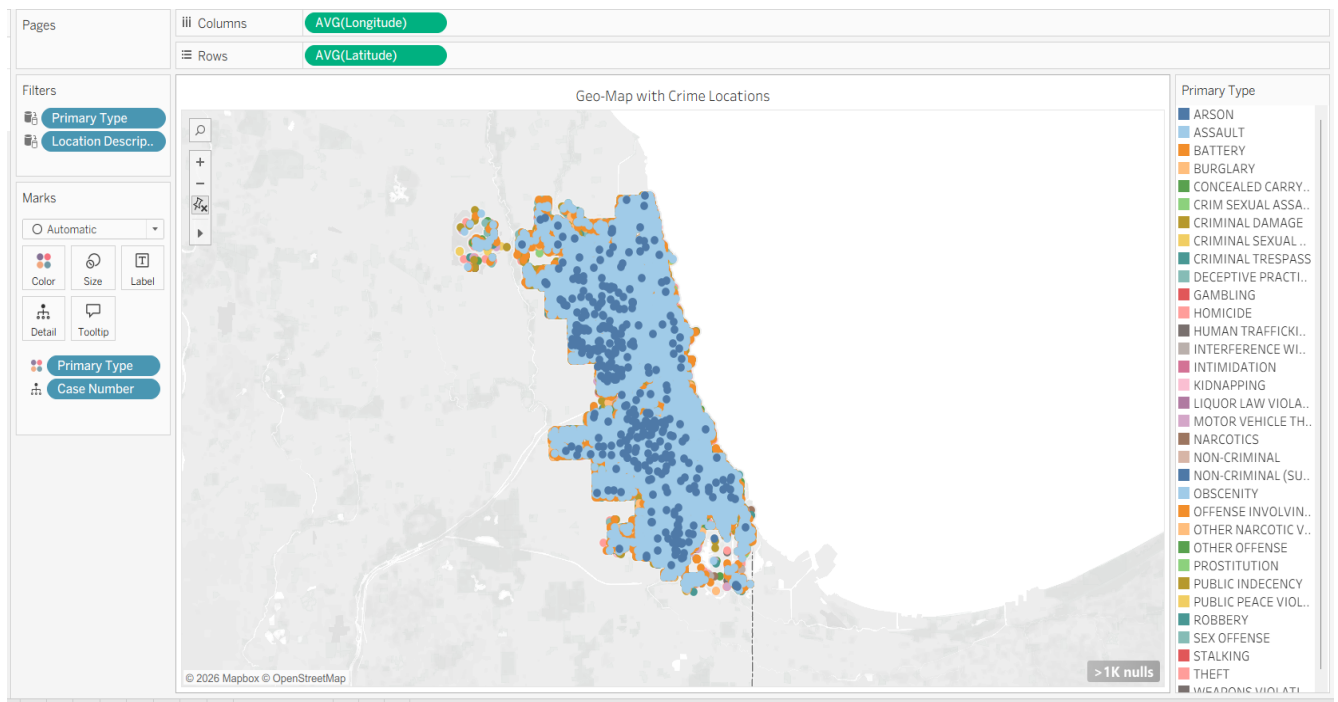# Crime Analysis

1a.

For personnel and resource management, the department needs to understand the count and types of crimes reported across the city.

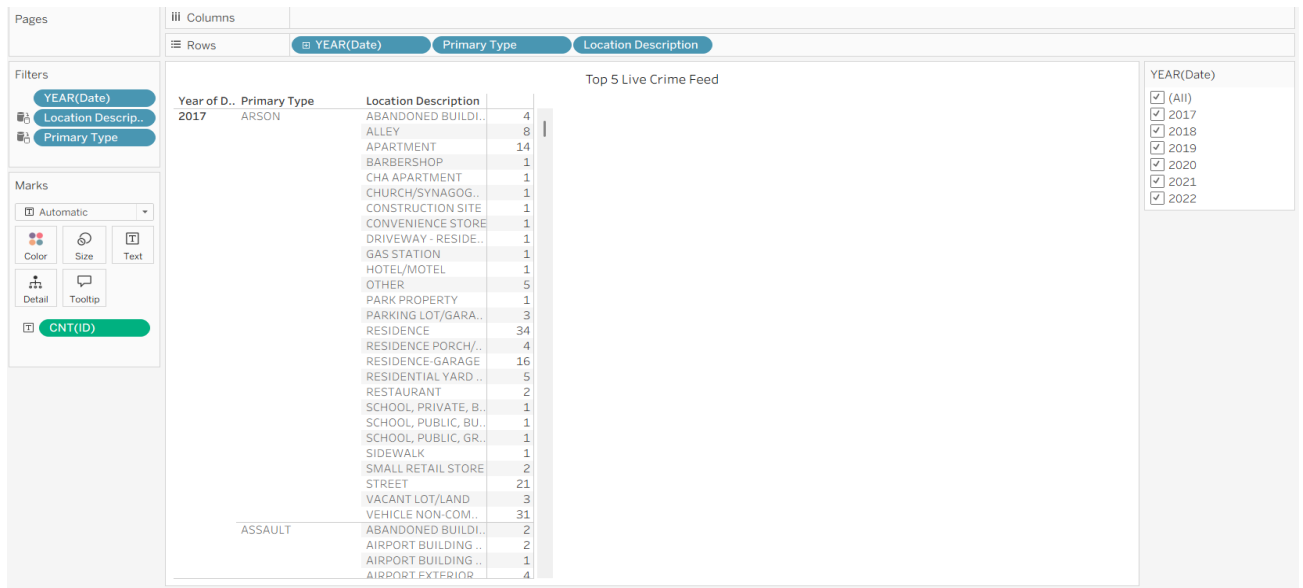Mark the locations on a geo-map highlighting the locations with recent criminal history.

Geo-Map with Crime Locations

1b.

Identify the most common criminal incidents reported

Most Common Criminal incidents

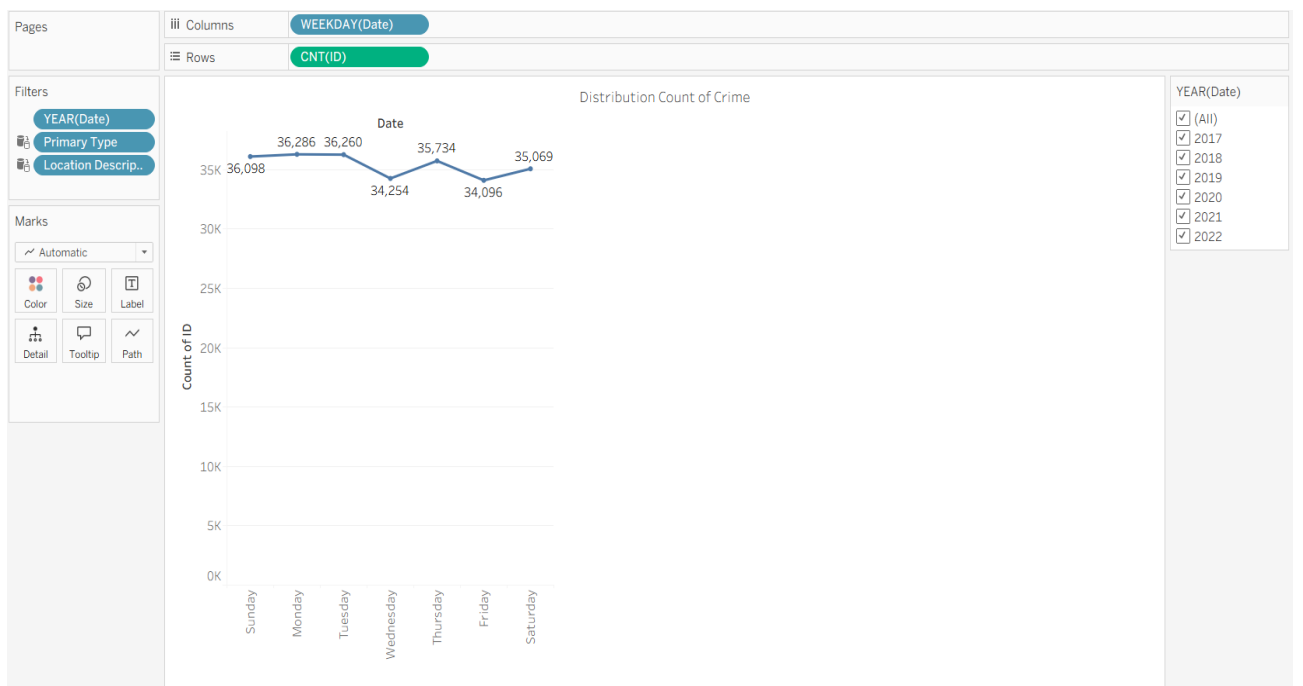| Description	
SIMPLE	27,138
DOMESTIC BATTERY..	22,704
$500 AND UNDER	22,222
OVER $500	13,466
TO VEHICLE	13,079
TO PROPERTY	12,588
FROM BUILDING	10,028
RETAIL THEFT	9,425
AUTOMOBILE	8,727
FORCIBLE ENTRY	6,317

1c.

In this introductory dashboard, include a live crime feed to exhibit the total number of crimes reported to date for the current year and the most recently reported crimes with their time and locations
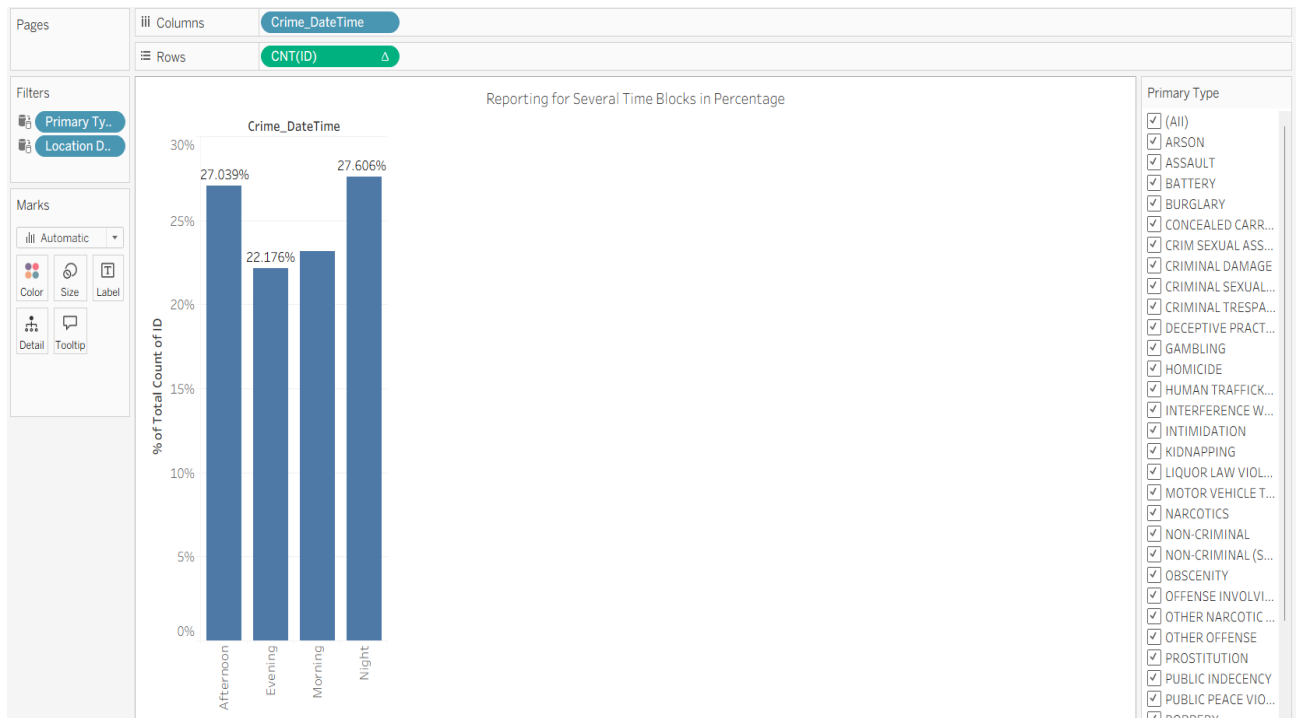
2a.

Study distribution count of crime incidents across different time periods, such as day of the week or hour
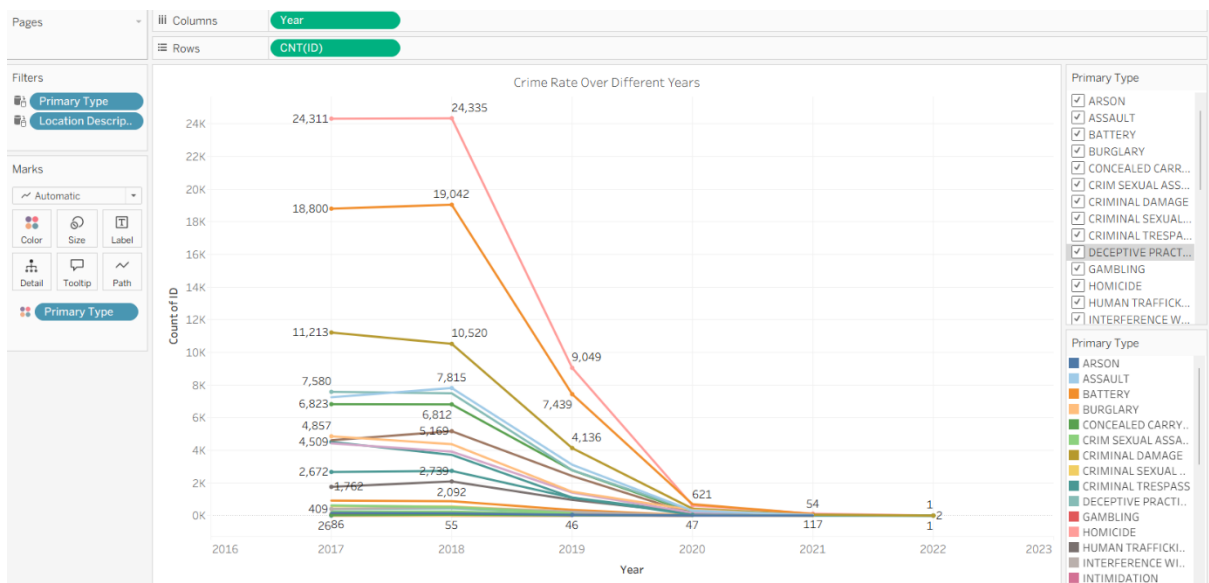

2b.

Further, explore the percentage of incident reporting for several time blocks (morning, afternoon, evening, and night)
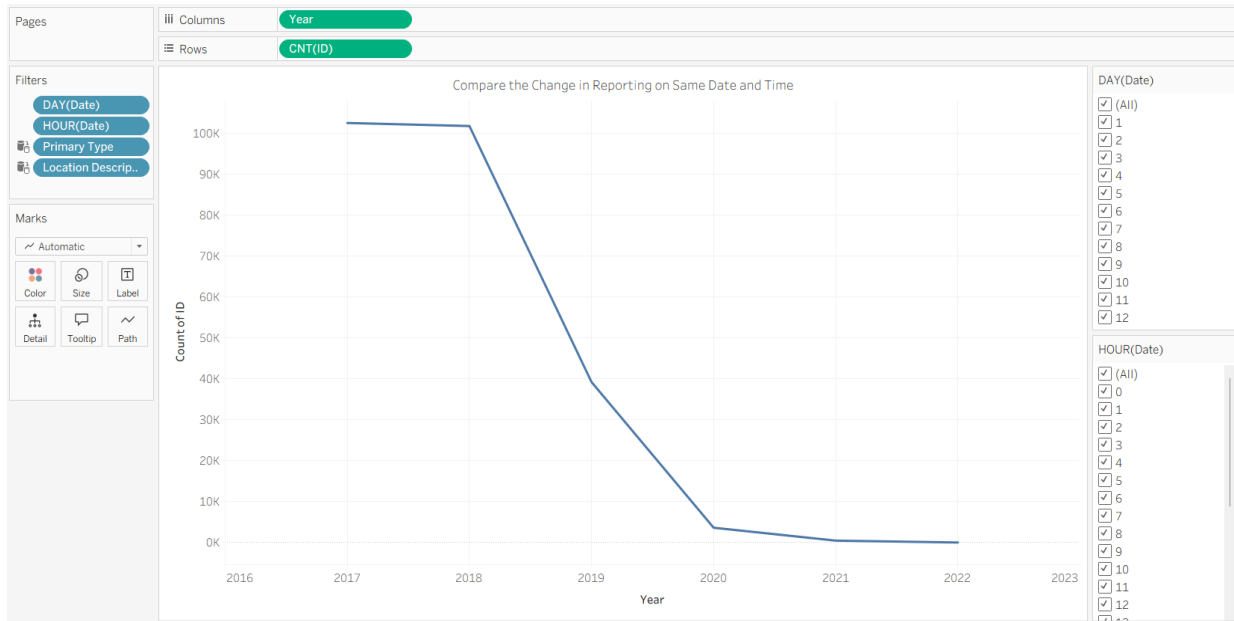
3a.

Create a dashboard to study the change in crime rate over different years
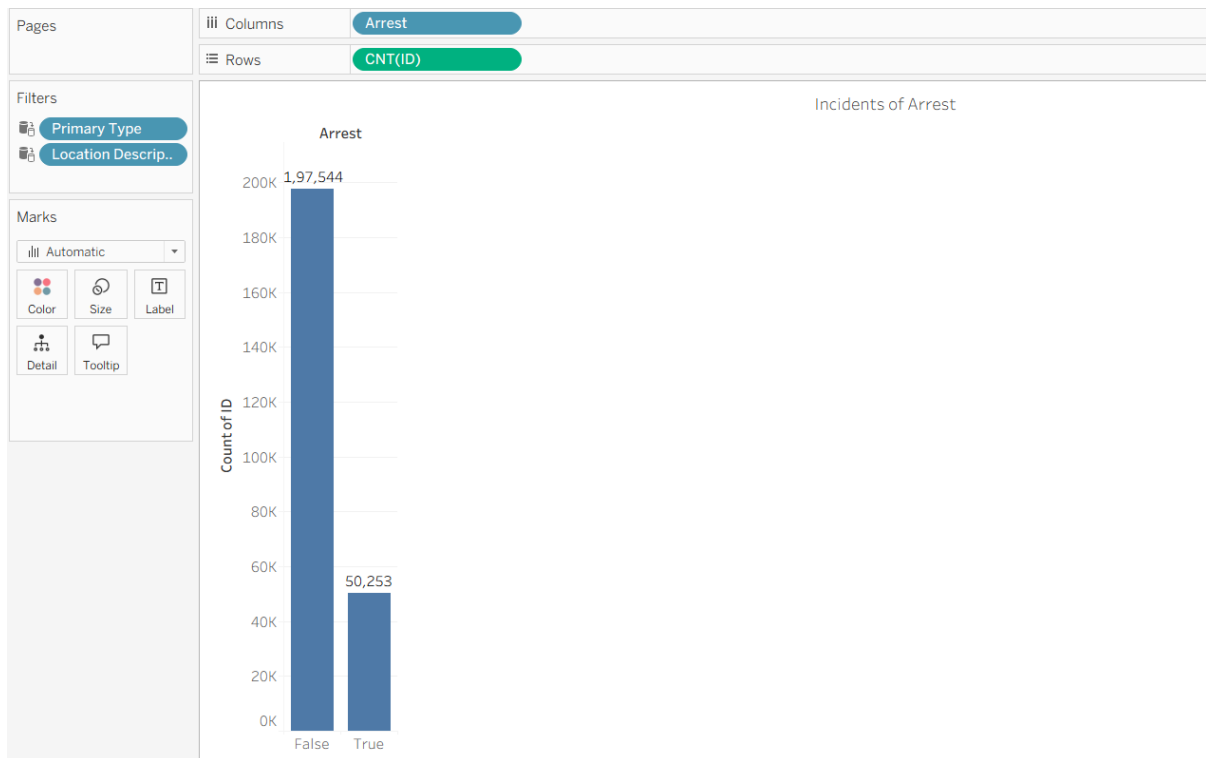

3b.

Compare the change in the incident reporting over the years for the same date and time
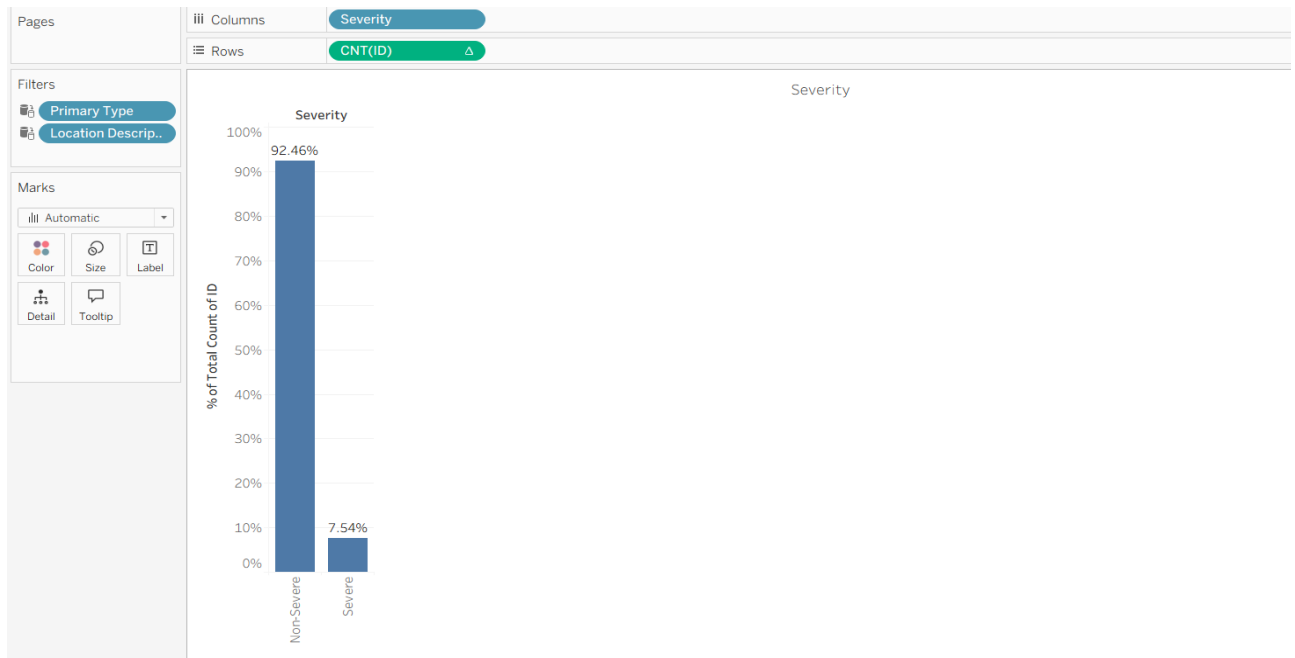
4a.

Study the distribution of incidents reported where an arrest was made vs. not
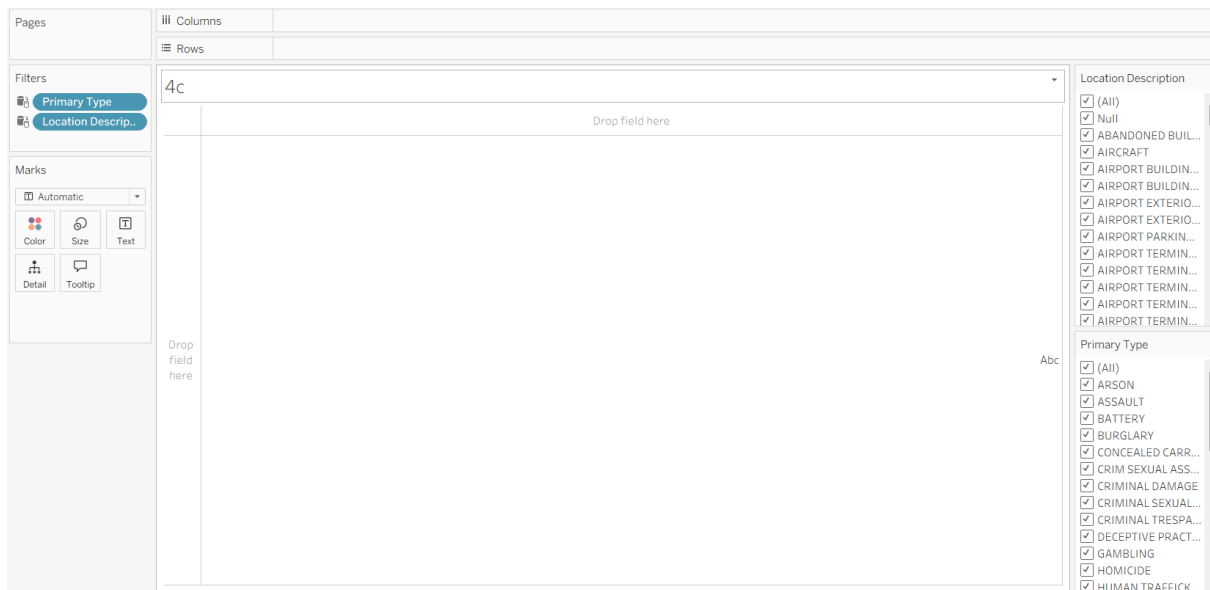

4b.

Identify what percentage of the reported incidents under each incident category are severe

4c.

To make the dashboard interactive, provide filters for incident type and location in these dashboards for a granular study
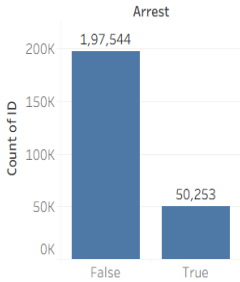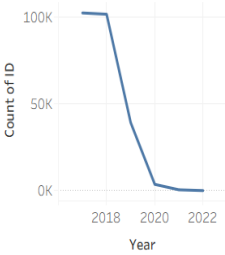

Dashboard

Crime Dashboard

Most Common Criminal incidents

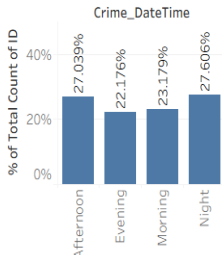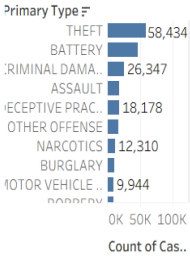| Description ⇲	
SIMPLE	27,138
DOMESTIC BATTERY..	22,704
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Incidents of Arrest

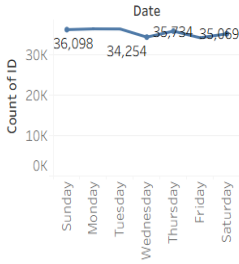## Compare the Change in Reporting on Same Date and Time

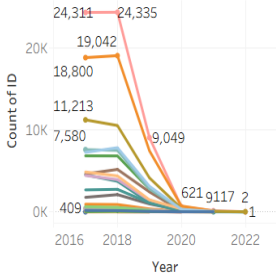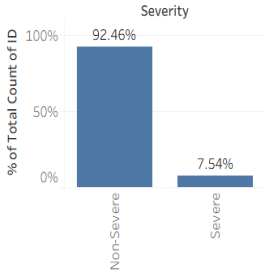## Reporting for Several Time Blocks in Percentage

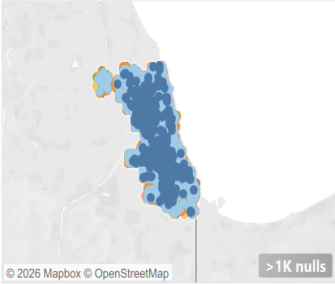## Count of different crimes

Distribution Count of Crime

Crime Rate Over Different Years

Severity

Geo-Map with Crime Locations

Location Description

- ☑ (All)
- ☑ Null
- ☑ ABANDONE...
- ☑ AIRCRAFT
- ☑ AIRPORT BU...
- ☑ AIRPORT BU...
- ☑ AIRPORT EX...
- ☑ AIRPORT EX...
- ☑ AIRPORT PA...
- ☑ AIRPORT TE...
- ☑ AIRPORT TE...
- ☑ AIRPORT TE...
- ☑ AIRPORT TE...
- ☑ AIRPORT TE...

Primary Type

- ☑ NON-CRIMI...
- ☑ NON-CRIMI...
- ☑ OBSCENITY
- ☑ OFFENSE IN...
- ☑ OTHER NAR...
- ☑ OTHER OFFE...
- ☑ PROSTITUTI...
- ☑ PUBLIC INDE...
- ☑ PUBLIC PEA...
- ☑ ROBBERY
- ☑ SEX OFFENSE
- ☑ STALKING
- ☑ THEFT
- ☑ WEAPONS V...