

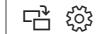


donut chart

column chart

Chicago crime analyzer

Data ID with data year between 2010 and 2020



Total crimes by arrest

441

Count of crimes by severity

779

Crime distribution across different locations



Year, Arrest, Primary Type, Location Descripti...

- ^ 2001
- ✓ False
- ✓ True
- ✓ 2002
- ✓ 2003

Dashboard

Temporal analysis

Geospatial Analysis

Crime Types

Incident Analysis

Location analysis

drill through fo...

Location compariso...

Seasonal and...

High risk areas

drill through fo...

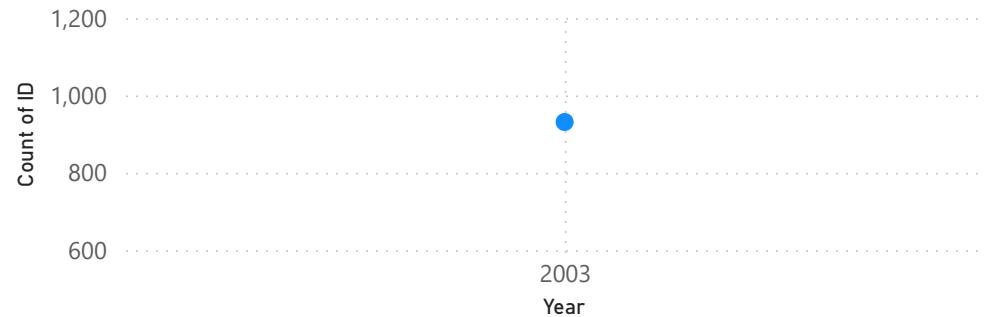
Clusters of crime...

High risk areas

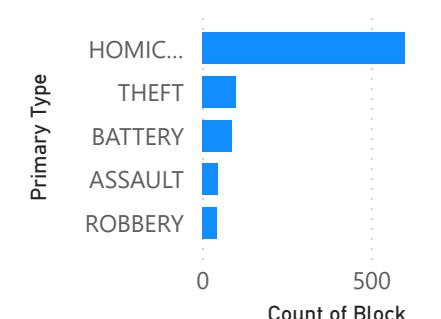
Decompositi...on tree

Bookmarks

crime types over years



crime types in different blocks

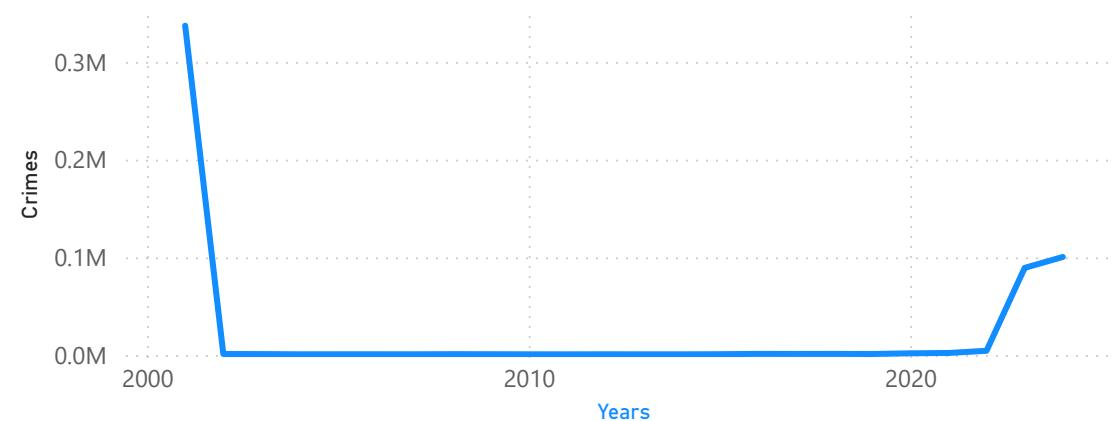


Count of ID and Count of Location Description by Location Description



crime Types

Crime trends over years



Crime trends over months



Year

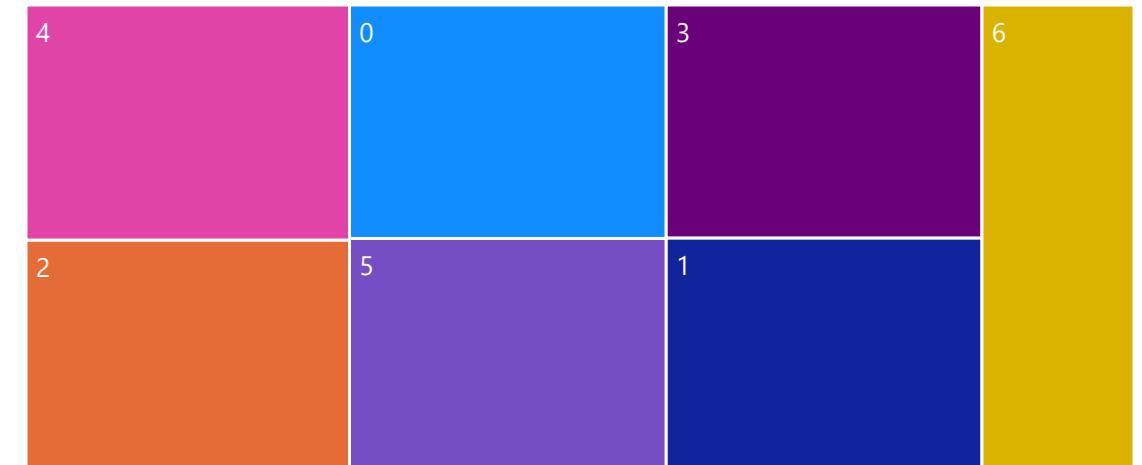
2001 2024



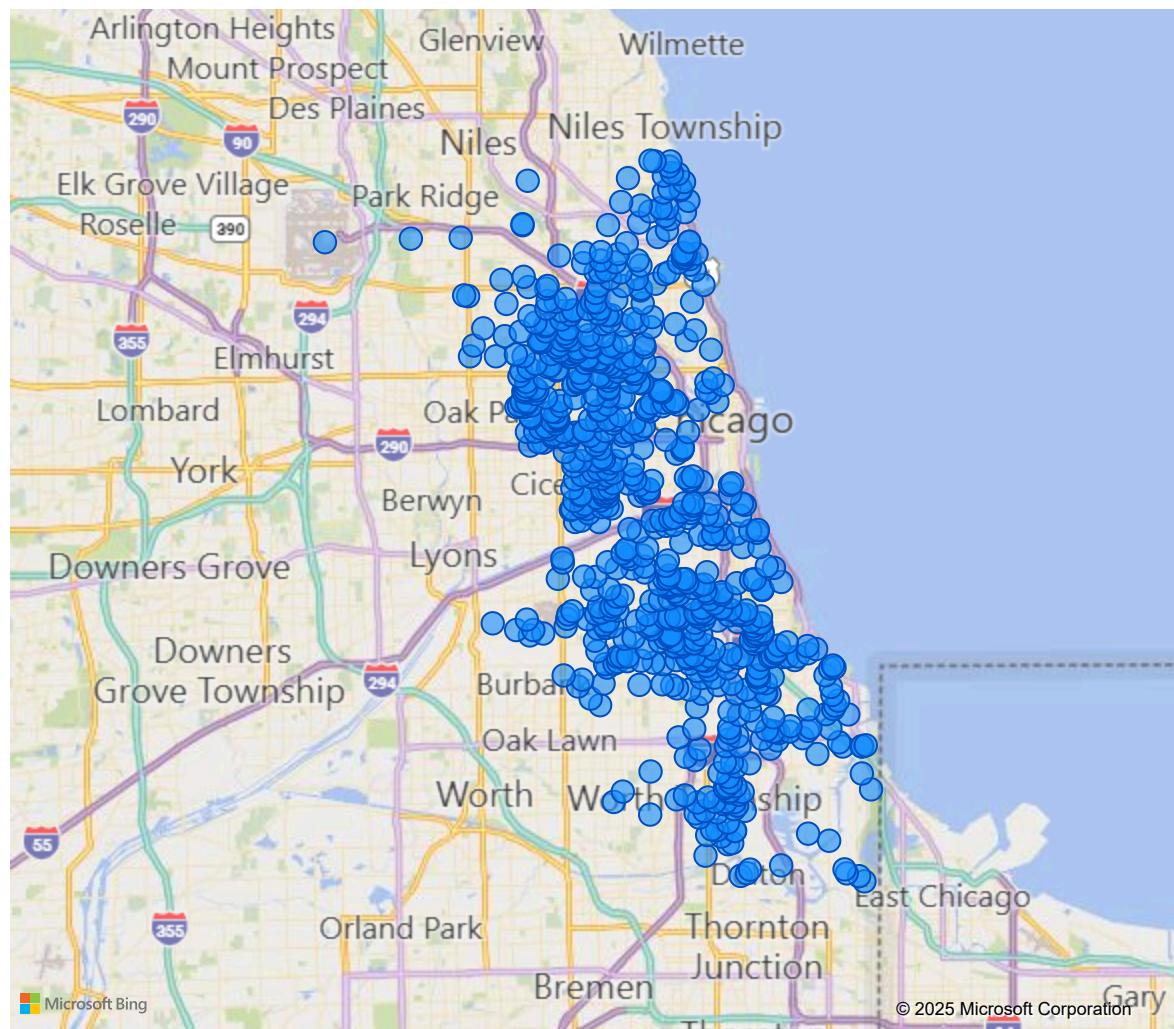
Crime trends by hours



Crime trends over days



Crime rates across districts



Primary Type, Year, District

Select all

ARSON

✓ 2001

✓ □ 2002

✓ □ 2003

✓ □ 2005

✓ □ 2006

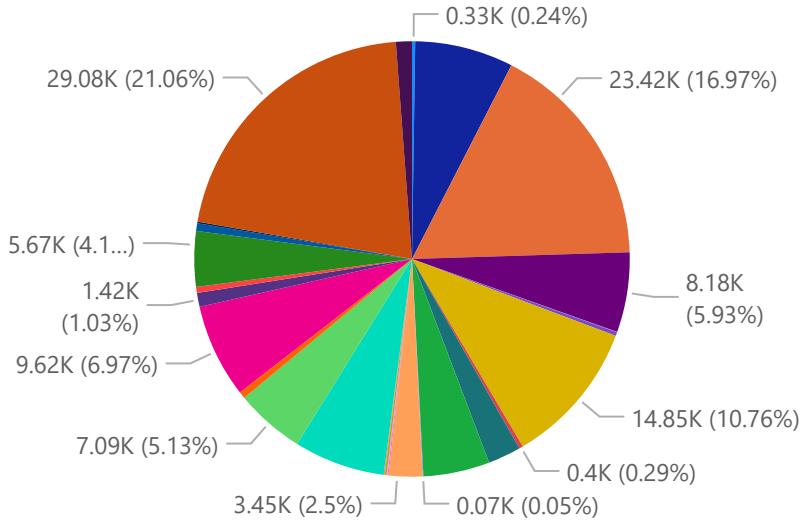
✓ □ 2007

2008

2000

[5]

Crime Distribution



Primary Type

- ARSON
- ASSAULT
- BATTERY
- BURGLARY
- CONCEALED CARRY LICE...
- CRIM SEXUAL ASSAU...
- CRIMINAL DAMAGE
- CRIMINAL SEXUAL ASSAU...
- CRIMINAL TRESPASS
- DECEPTIVE PRACTICE

hour

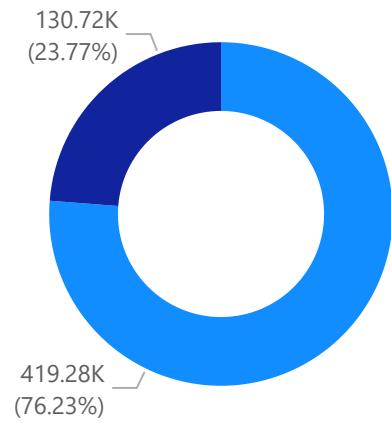
3 11



Crime categorization

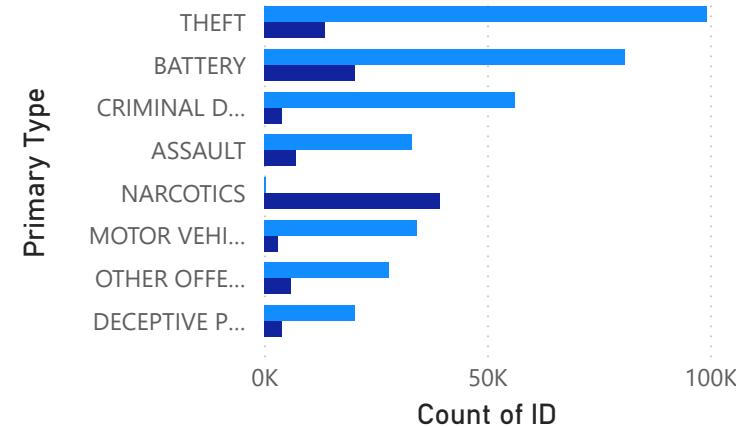


Arrest rates



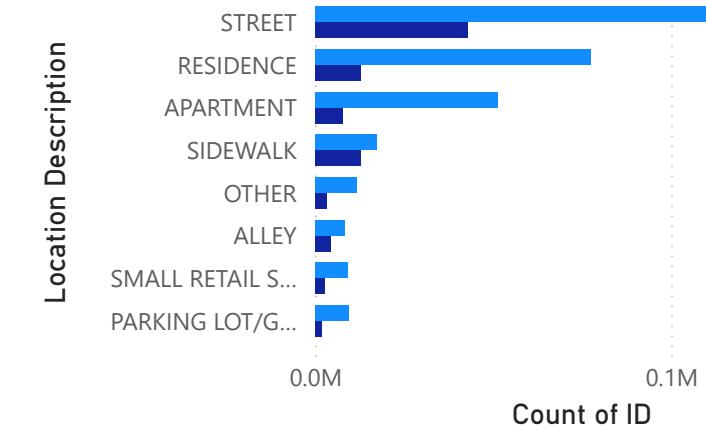
comparison of arrest rates over crime types

Arrest ● False ● True



Comparison of arrest over locations

Arrest ● False ● True



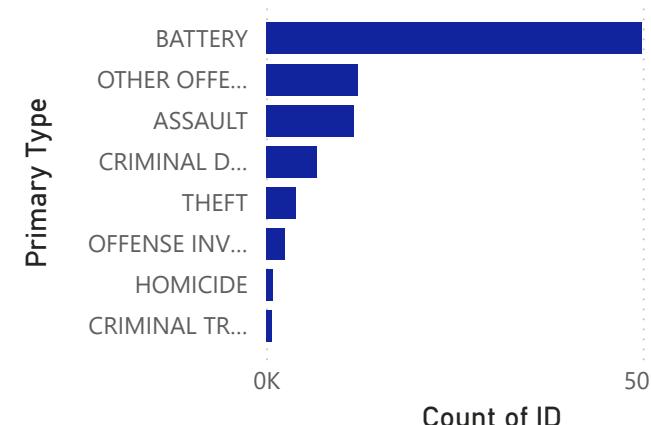
Characteristic 'True'

Domestic ● False



Characteristic 'False'

Domestic ● True



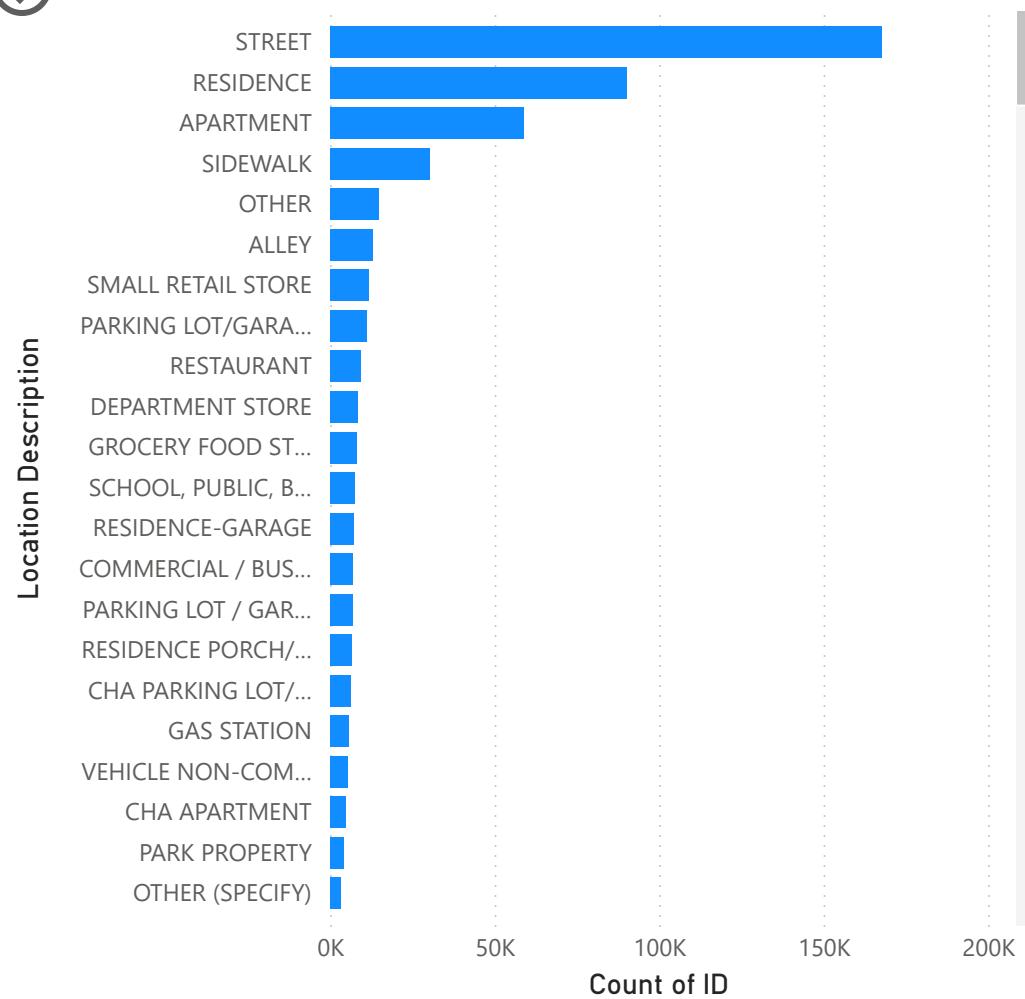
Year

2001

2024



Most common crime locations



 Location Description

Primary Type

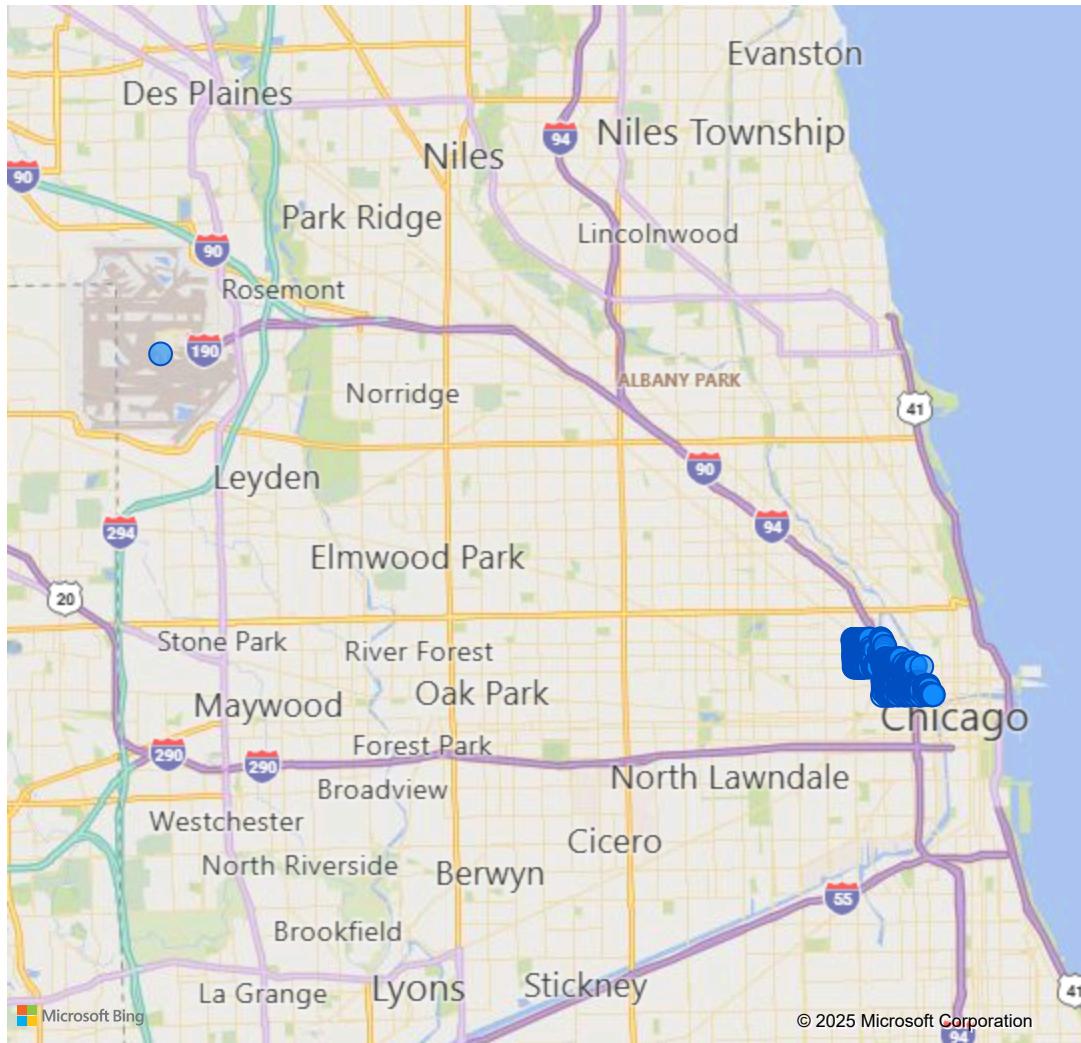
ABANDONED BUILDING	ARSON
ABANDONED BUILDING	ASSAULT
ABANDONED BUILDING	BATTERY
ABANDONED BUILDING	BURGLARY
ABANDONED BUILDING	CRIM SEXUAL ASSAULT
ABANDONED BUILDING	CRIMINAL DAMAGE
ABANDONED BUILDING	CRIMINAL SEXUAL ASSAULT
ABANDONED BUILDING	CRIMINAL TRESPASS
ABANDONED BUILDING	DECEPTIVE PRACTICE
ABANDONED BUILDING	HOMICIDE
ABANDONED BUILDING	INTERFERENCE WITH PUBLIC
ABANDONED BUILDING	KIDNAPPING
ABANDONED BUILDING	LIQUOR LAW VIOLATION
ABANDONED BUILDING	MOTOR VEHICLE THEFT
ABANDONED BUILDING	NARCOTICS
ABANDONED BUILDING	OTHER OFFENSE
ABANDONED BUILDING	PROSTITUTION
ABANDONED BUILDING	PUBLIC PEACE VIOLATION
ABANDONED BUILDING	ROBBERY
ABANDONED BUILDING	SEX OFFENSE
ABANDONED BUILDING	THEFT

Total



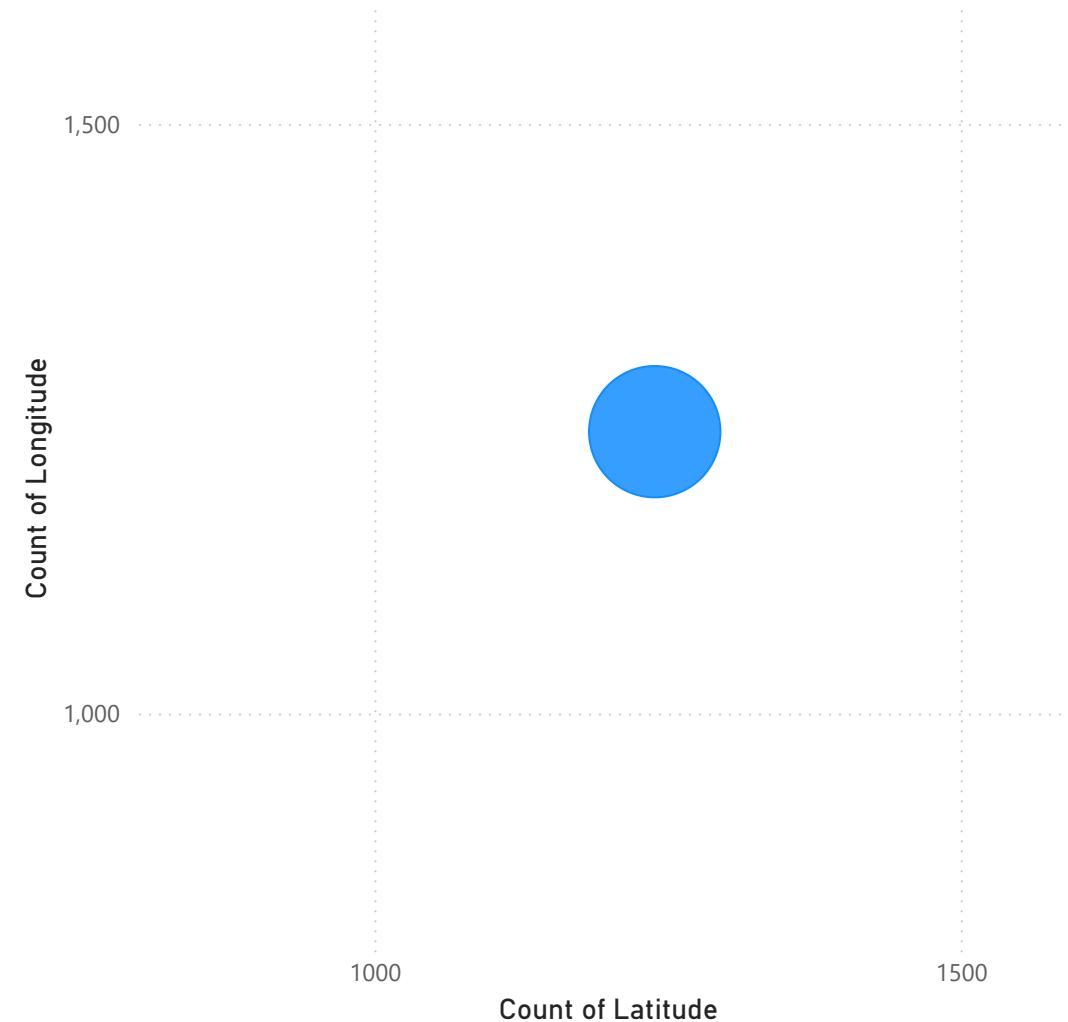
Crime locations classified beatwise

added clusters ● Cluster2

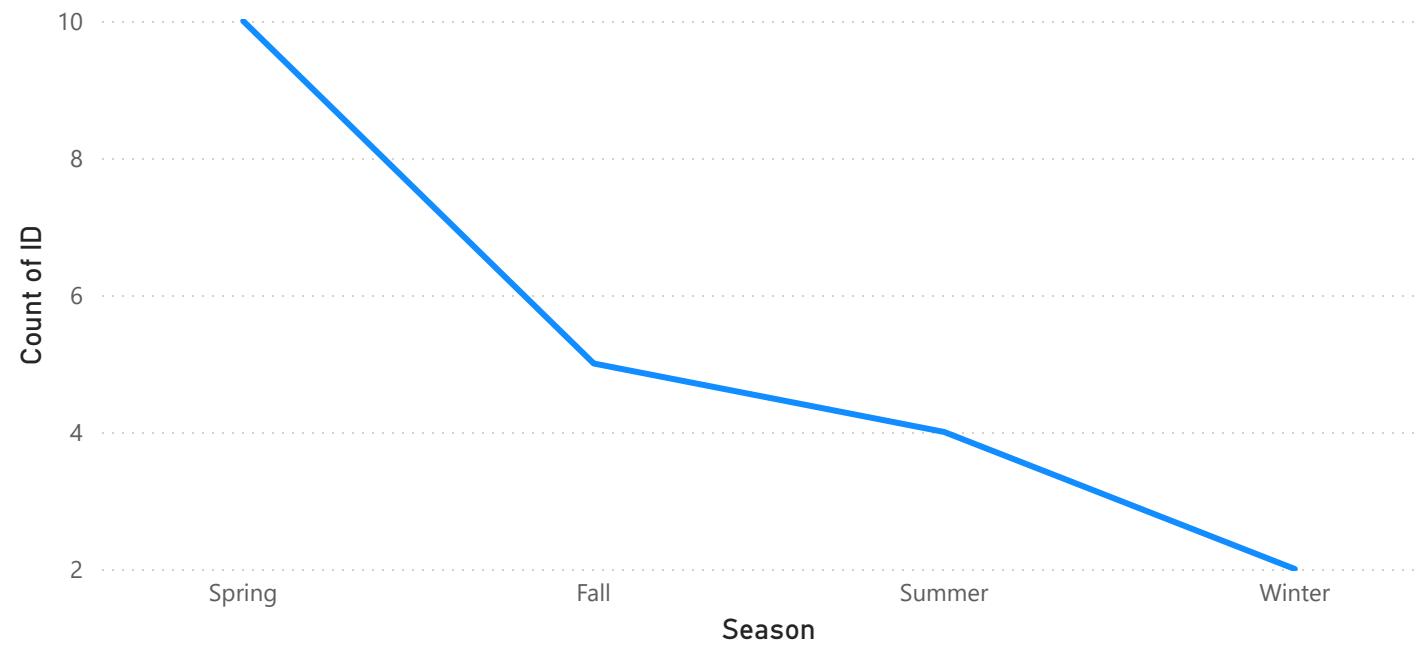


Exact location of clusters

added clusters ● Cluster2



Crime variations across seasons



Primary Type, Location Description

Select all

ARSON

ABANDONED BUILDING

AIRPORT BUILDING NON-TERMINAL - NON-S...

ALLEY

APARTMENT

BAR OR TAVERN

CAR WASH

CHA APARTMENT

Location Description	Count of ID
YMCA	3
YARD	311
WOODED AREA	7
WAREHOUSE	775
VESTIBULE	28
VEHICLE-COMMERCIAL	203
VEHICLE NON-COMMERCIAL	5215
VEHICLE - OTHER RIDE SHARE SERVICE (LYFT, UBER, ETC.)	87
VEHICLE - DELIVERY TRUCK	34
VEHICLE - COMMERCIAL: TROLLEY BUS	3
VEHICLE - COMMERCIAL: ENTERTAINMENT / PARTY BUS	2
VEHICLE - COMMERCIAL	229
VACANT LOT/LAND	867
VACANT LOT / LAND	593
VACANT LOT	136
TRUCKING TERMINAL	1
TRUCK	9
TRAILER	4
TAXICAB	351
TAXI CAB	6
TAVERN/LIQUOR STORE	1954
TAVERN / LIQUOR STORE	470
TAVERN	37
STREET	167729
Total	549999



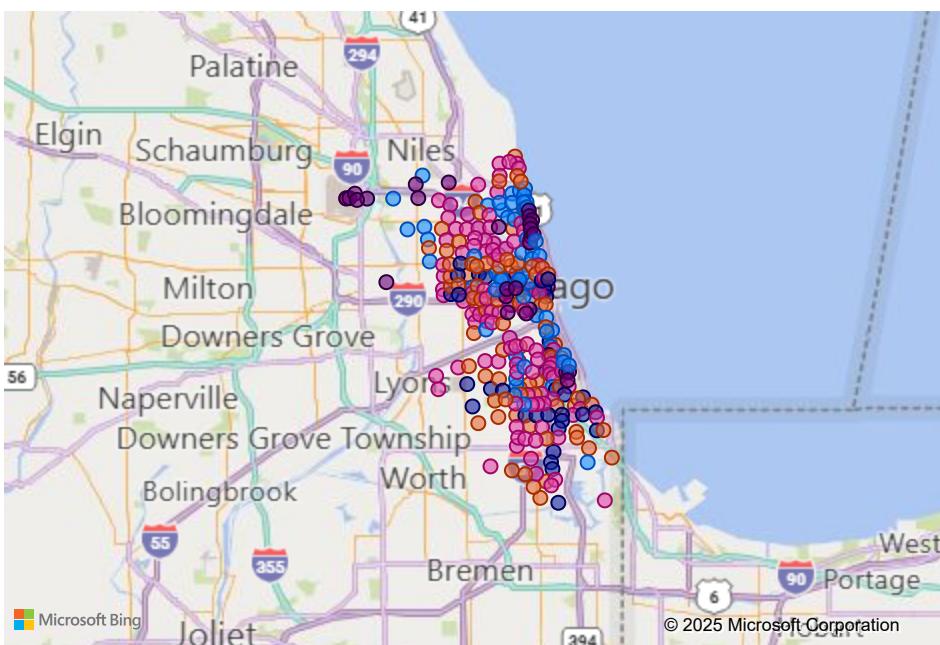
Location Description	Primary Type	Count of ID
STREET	ARSON	143
STREET	ASSAULT	9209
STREET	BATTERY	21682
STREET	BURGLARY	178
STREET	CONCEALED CARRY LICENSE VIOLATION	56
STREET	CRIM SEXUAL ASSAULT	111
STREET	CRIMINAL DAMAGE	23488
STREET	CRIMINAL SEXUAL ASSAULT	100
STREET	CRIMINAL TRESPASS	808
STREET	DECEPTIVE PRACTICE	3175
STREET	GAMBLING	166
Total		167729



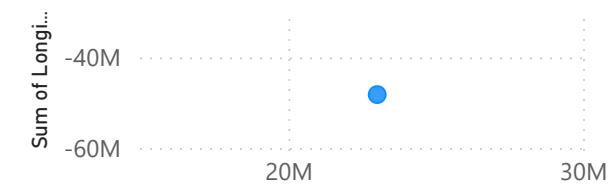
Crime distribution across beats

Average of Latitude and Average of Longitude by Beat and added clusters

Crime distributio... ● Cluster1 ● Cluster2 ● Cluster3 ● Cluster4 ● Cluster5



Cluster location by Latitude and Longitude



Location Description	Count of ID
STREET	167729
RESIDENCE	90195
APARTMENT	58759
SIDEWALK	30151
OTHER	14865
ALLEY	12827
SMALL RETAIL STORE	11671
PARKING LOT/GARAGE(NON.RESID.)	11234
RESTAURANT	9328
DEPARTMENT STORE	8377
GROCERY FOOD STORE	8030
SCHOOL, PUBLIC, BUILDING	7379
RESIDENCE-GARAGE	7018
COMMERCIAL / BUSINESS OFFICE	6970
PARKING LOT / GARAGE (NON RESIDENTIAL)	6695
RESIDENCE PORCH/HALLWAY	6389
CHA PARKING LOT/GROUNDS	6297
GAS STATION	5546
VEHICLE NON-COMMERCIAL	5215
CHA APARTMENT	4843
PARK PROPERTY	4003
OTHER (SPECIFY)	3241
DRUG STORE	2994
CTA PLATFORM	2972
BAR OR TAVERN	2828
CHA HALLWAY/STAIRWELL/ELEVATOR	2488
RESIDENCE - PORCH / HALLWAY	2443
BANK	2075
Total	549999

Breakdown of crimecount yearwise and season wise



Count of Location Description by Primary Type

