

An aerial night view of the Chicago skyline, featuring prominent skyscrapers like the Willis Tower and the Trump Tower, illuminated against a dark blue sky with scattered clouds. The city lights reflect on the water in the foreground.

Crimes in Chicago

six months into 2023

Team Members:

Alex Valerio,

Zunyan Guo,

Cara Boldarini,

Lisa Maccio Maretto,

Sanja Kesic

Introduction

- Our interest: Chicago's reputation as a dangerous city
- Is there a seasonal pattern?
- What types of crimes are more prevalent across neighborhoods?
- How many different types of crimes occur in the city?



Crimes - 2023

View based on Crimes - 2001 to Present

Public Safety

Records from the Crimes - 2001 to Present

Please see the description section

About this Dataset

Updated
June 27, 2023

Data Last Updated
June 27, 2023

Metadata Last Updated
January 9, 2023

Date Created
January 9, 2023

Views

3,344

Downloads

853

Data Provided by
Chicago Police Department

Dataset
Jonathan

Contact Dataset Owner

This is the code for cleaning the data

```
# Dependencies
import pandas

# Store file
crimes_csv = ...

# Read the csv
crimes_df = pd.read_csv(crimes_csv)

# Dropping na
crimes_df.dropna(inplace=True)

# Print the head
crimes_df.head()

# Export clean csv
crimes_df.to_csv("crimes_2023.csv", index=False)
```

108283 non-null object

DB Browser for SQLite - C:\Users\lmaciometto\Desktop\Chicago-Crime-Analysis\static\data\crimes_2023db.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Browse Data Edit Pragma Execute SQL Database Structure

Table: Clear Crimes_2023 Filter in any column

ID	PrimaryType	Description	ationDescrip	Arrest	Domestic	Beat	District	Ward	ommunityAr	FBICode	XCoordinate
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	0	ROBBERY	ARMED - ... SIDEWALK	False	False	1533	15	28.0		2503	1143289
2	1	CRIMINAL...	TO VEHICLE STREET	False	False	1434	14	32.0		2214	1161051
3	2	CRIMINAL...	TO VEHICLE STREET	False	False	1434	14	32.0		2214	1161051
4	3	PUBLIC ...	RE	False	False	1434	14	32.0		2214	1161051
5	4	BATTERY	SI	False	False	1434	14	32.0		2214	1161051
6	5	CRIMINAL...	TO VEHICLE STREET	False	False	1434	14	32.0		2214	1161051
7	6	CRIMINAL...	TO VEHICLE STREET	False	False	1434	14	32.0		2214	1161051
8	7	MOTOR ...	AU	False	False	1434	14	32.0		2214	1161051
9	8	MOTOR ...	AU	False	False	1434	14	32.0		2214	1161051
10	9	BATTERY	DO	False	False	1434	14	32.0		2214	1161051
11	10	THEFT	\$5	False	False	1434	14	32.0		2214	1161051
12	11	CRIMINAL...	TO VEHICLE STREET	False	False	1434	14	32.0		2214	1161051
13	12	CRIMINAL...	CR	False	False	1434	14	32.0		2214	1161051
14	13	CRIMINAL...	TO VEHICLE STREET	False	False	1434	14	32.0		2214	1161051
15	14	NARCOTICS	POSSESS ... SIDEWALK	True	False	1122	11	28.0		2618	1150156
16	15	DECEPTIV...	CREDIT ... RESIDENCE	False	False	2531	25	29.0		2511	1137484

Conclusion

- Further exploration needed: Relationship between crime incidence and number of arrests
- Domestic violence: Proportion of battery and violent incidents categorized as domestic
- Dataset covers only the first six months of 2023
- Dataset enhancement: connection with City of Chicago's API for real-time and comprehensive crime data

