

**Allocating resources for  
crime prevention in  
Chicago for 2024**

# FIRST OF ALL:

This is an **extremely complex** subject that requires in-depth analysis of **social, economic and demographic** data in order to propose solutions. This exercise just looks at a **small portion** of this issue and aims to point out paths based on this specific dataset.

The dataset reflects **reported incidents of crime**, except for murders, that occurred in the City of Chicago from 2001. For the purpose of this project I analysed the **historical data** up to 2023, and then focused on data referred to **last year** only.

To understand the data and better inform the decisions I divided the analysis in three questions:

## WHEN?

- Locating the reports in time

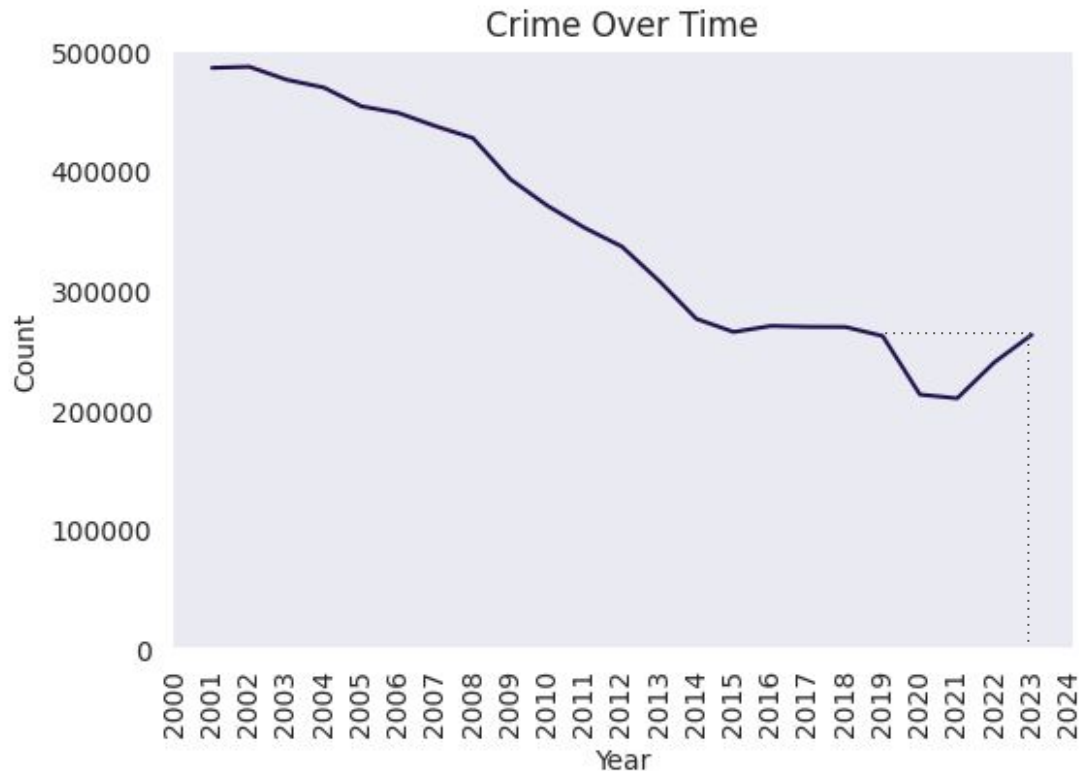
## WHAT?

- Crime types reported

## WHERE?

- Location

# WHEN?



Reports per hour in 2001:

**55.47**

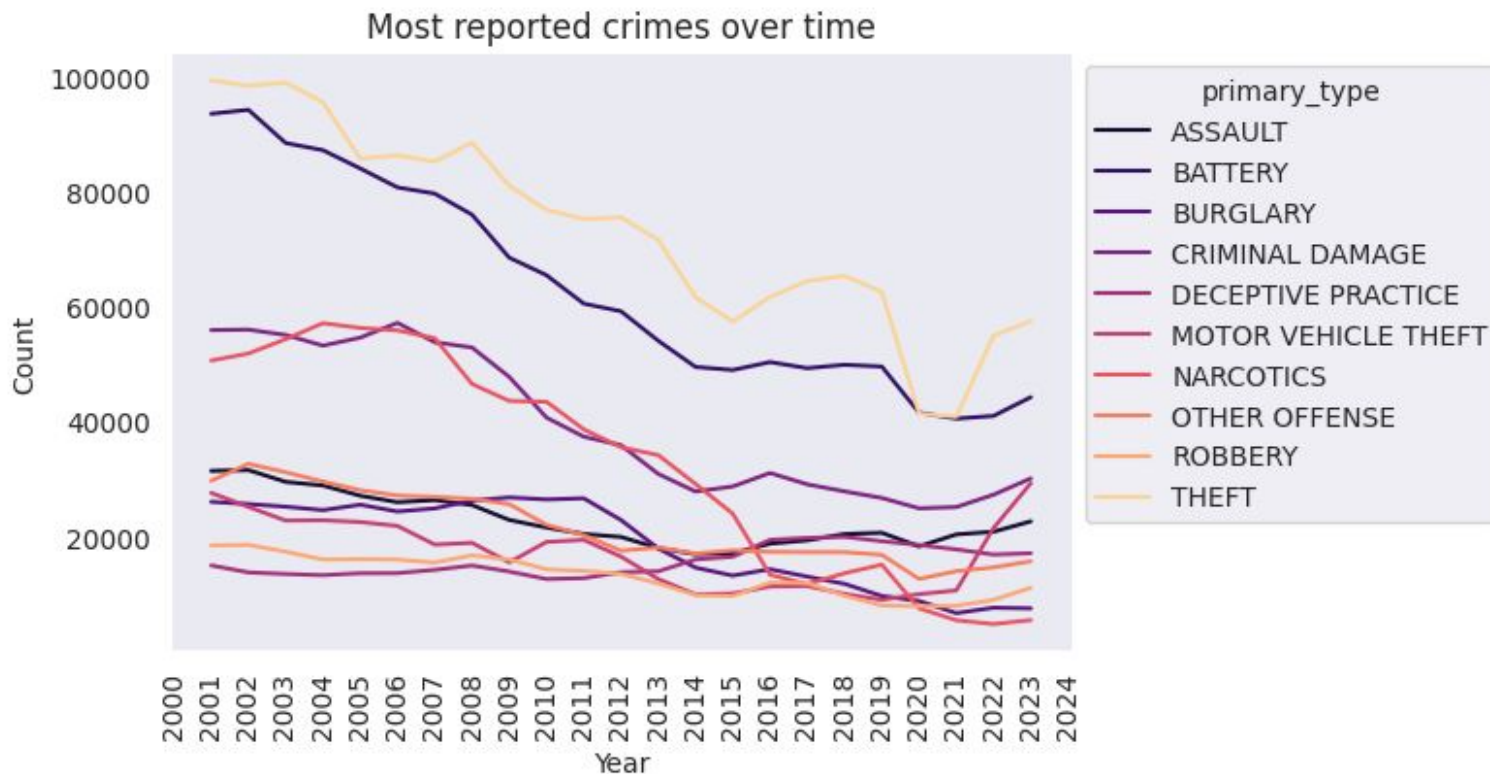
Reports per hour in 2023:

**29.97**

In 2020 and 2021:

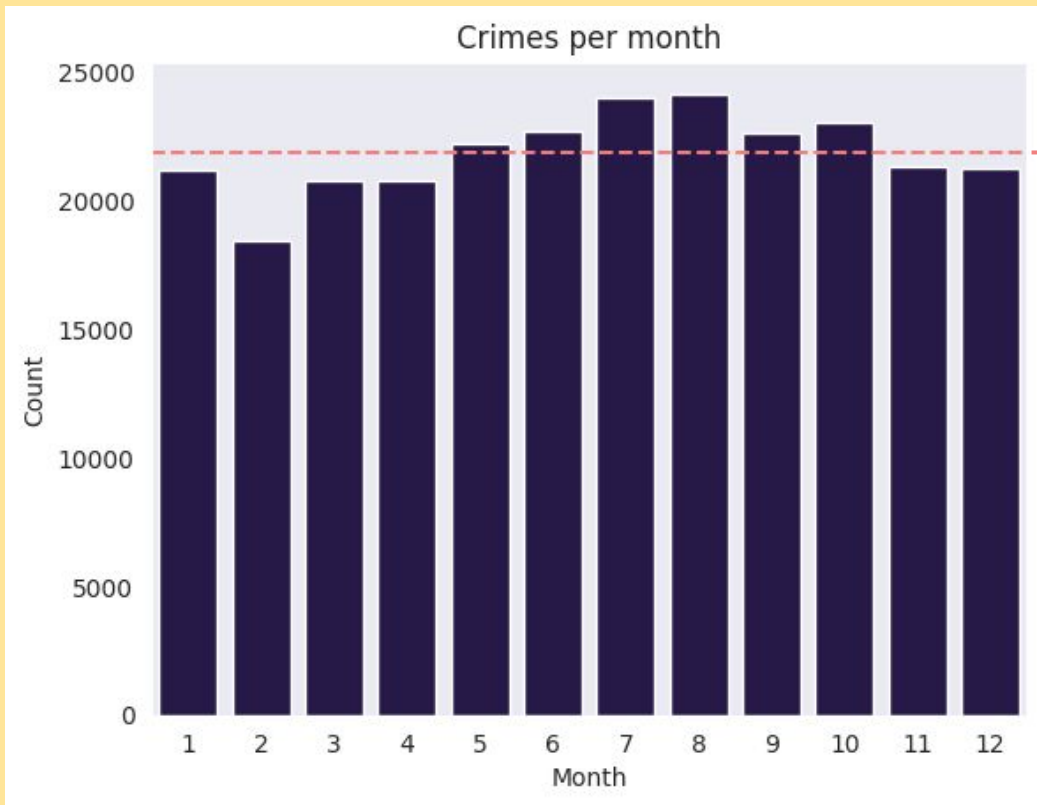
**↓ 19%**

# WHAT?



Looking at the common types of crimes, we can see that the overall downward trend varies in various degrees. Two standouts are **theft** and **motor vehicle theft**, that have been increasing rapidly since 2021.

# WHEN?



**21875**

reports per month on  
average

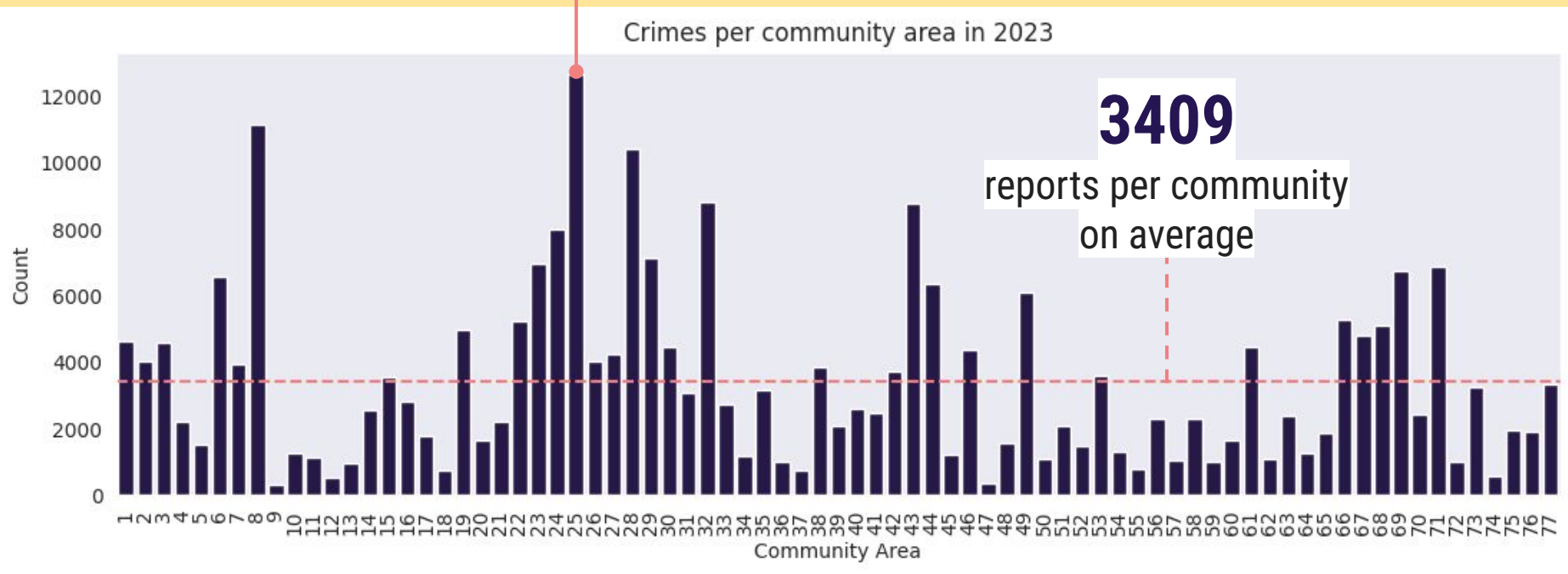
**30.98%**

increase in crime rate  
from February to  
August

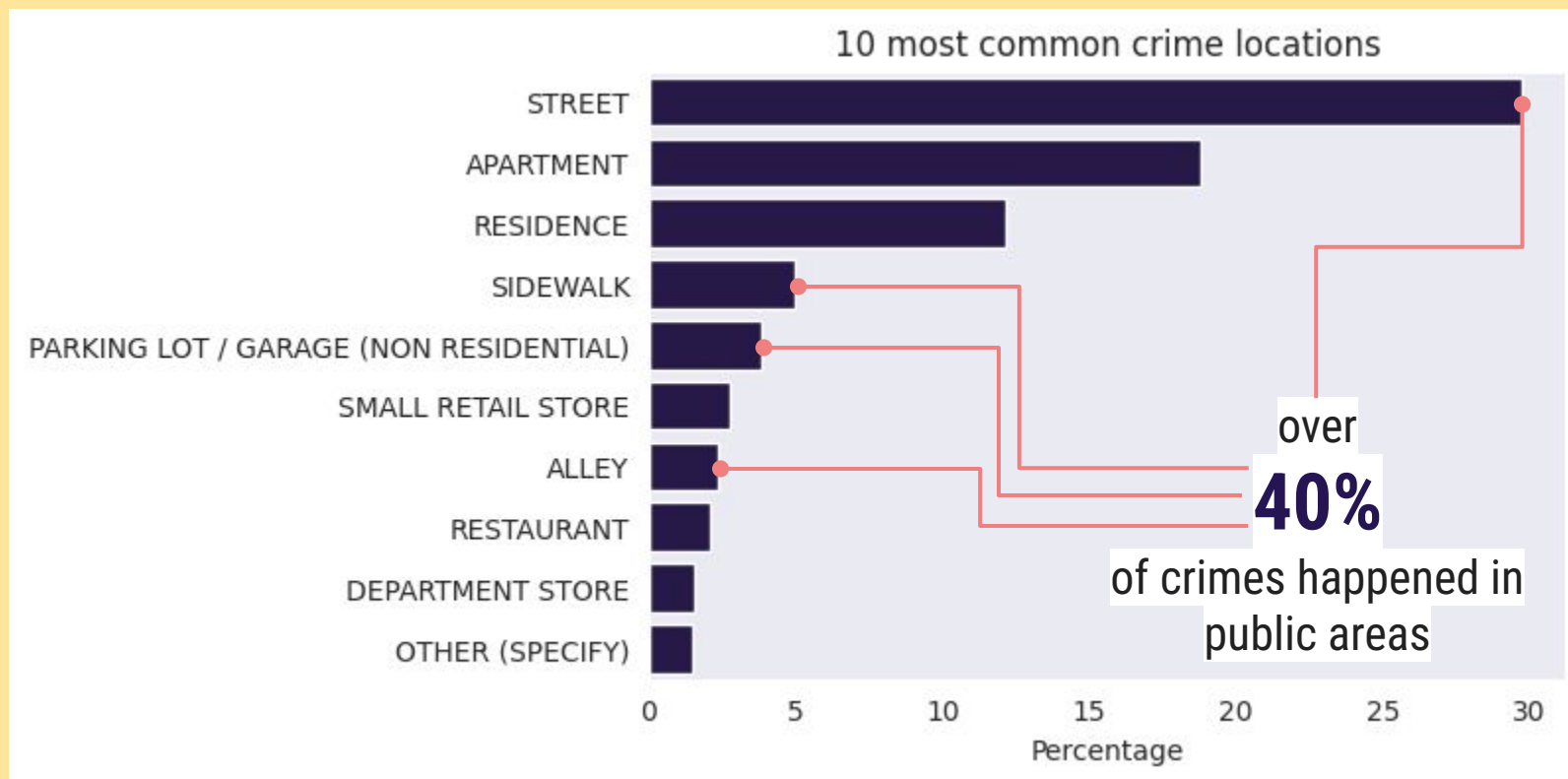
# WHERE?

In 2023, **half** of the communities registered **79%** of incidents.

Community 25, for instance, registered over **3x** the average number of incidents for the 77 areas.



# WHERE?





# CONCLUSIONS

- The data only represents **reported incidents** of crime. Because of that, **campaigns** encouraging people to **report on classically unreported or underreported crimes** can help paint a clear picture.
- That is a correlation with times when more people are circulating. Making efforts in the direction of **increasing police patrol and remote surveillance in busy areas** can reduce crimes of opportunity.
- 36% of the most common crimes happen in public areas. **Improving the physical conditions**, such as street lighting, can make safer urban spaces, **reducing opportunities** for common crimes like theft.
- Crime is unevenly distributed throughout the city, with half of the communities representing around 73% of reports. **Allocating resources in the right areas** is crucial when planning effective measures.

# REFERENCES

- [What is situational crime prevention?](#)
- [Measuring Performance in a Modern Police Organization](#)

**Thank you!**