**Cristian Valeria** 

MID BOOT CAMP PROJECT

# Berlin Crimes

A DISTRICT ANALYSIS



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#### THE DATASET

The Dataset used in the study was provided buy the **Police**Criminal Statistics ( PKS )

These reports show the **absolute number of cases** as well as the more comparable regional frequency numbers (cases per 100,000 inhabitants) for the 12 Berlin districts and 138 district regions (Locations).

#### DATA DESCRIPTION:

Data Size: **1550** rows, for each Location from 2012 to 2021.

Years: **2012 - 2021** 

**12** Districts

15 Crime Types

**Values**: absolute number of cases and absolute number of cases per capita (HZ)



MID

BOOT

CAMP

**PROJECT** 



## CRIME TYPES



2 STREET\_ROBBERY
Street robbery, purse robbery, pickpocket



4 AGG\_ASSOULT

Serious and danger

physical injury









## CRIME TYPES







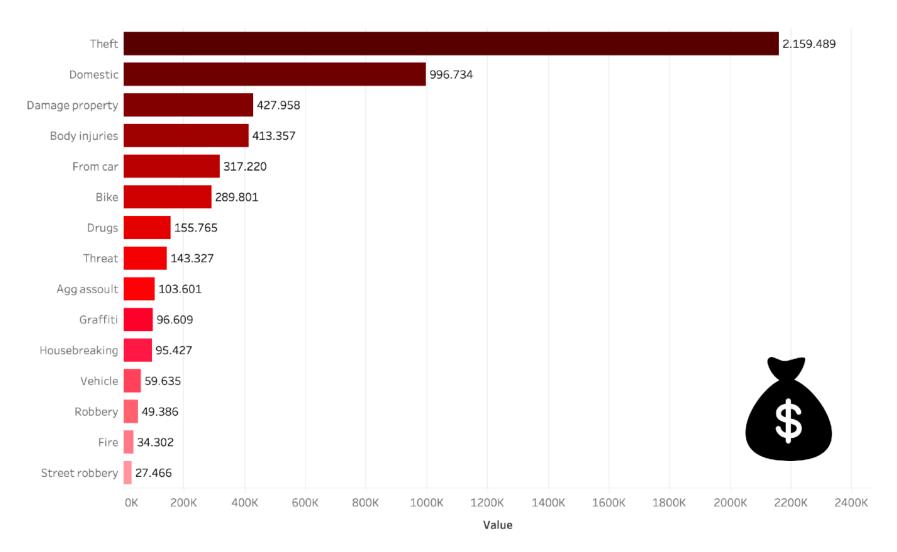








#### MOST COMMON CRIMES



**Theft** represent the 40% of the total crimes in Berlin.

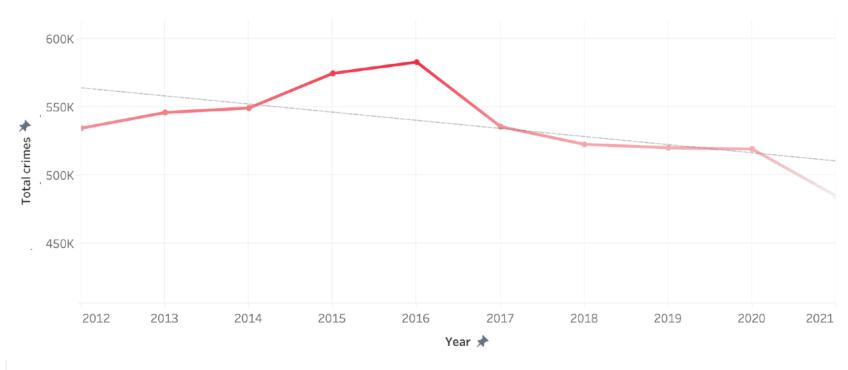
80% of total crimes are represented by 5 categories: Theft, Domestic, Damage to property, Body injuries and Robbery from Car.

#### total\_crimes\_p

Theft	0.41
Domestic	0.19
Damage_property	0.08
Body_injuries	0.08
From_car	0.06

<sup>\*</sup>sum of absolute cases from 2012 to 2021

## CRIMES IN TIME

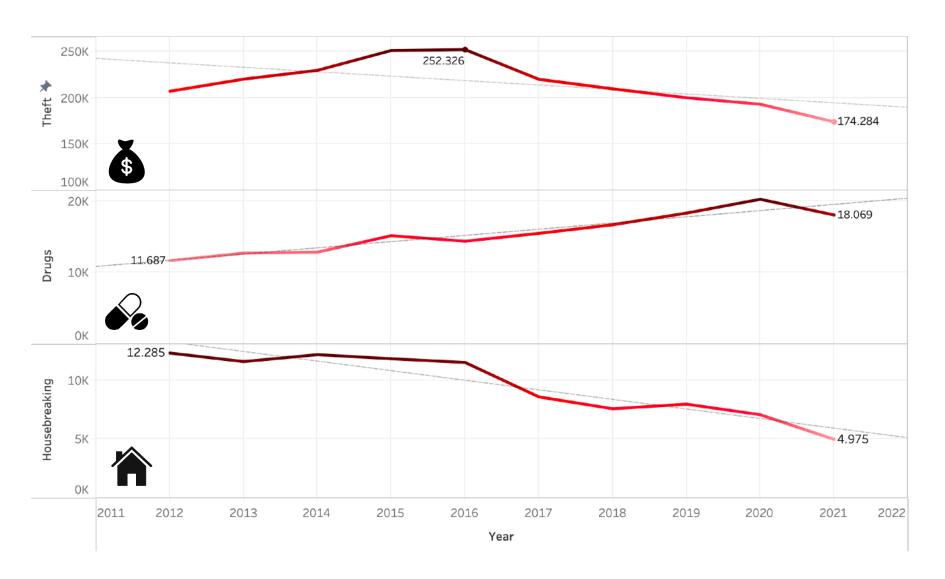


2015 and 2016 were the years with more crime. Is not totally posible to define a tendency because 2020 and 2021 where highly affected by Covid-19.

SUM Total crimes

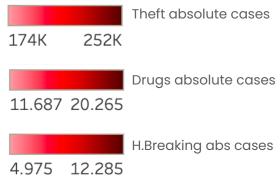
484.611 583.166

#### CRIMES IN TIME



Is posible to see some tendencies in specific type of crimes. **Theft**, that is the biggest crime is being slowing down since the peak in 2016.

Other offenses like **Drugs** have being increasing on time, and other decreasing like **Housebreaking**, probably because of security house improvements.





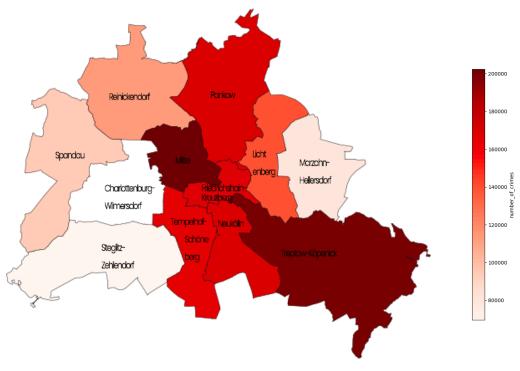
#### CRIMES PER DISTRICTS

Mitte is the district with more numbers of crimes of Berlin, with total of 202K crimes in 2021. Is the historic centre of Berlin and place for a lot of tourists. Friedrichshain-Kreuzberg is the second districts with more crimes with 199k crimes in 2021, with places like Kottbusser Tor, Görlitzer Park that have a big amount of crimes per capita. Some other cities like Treptow-Köpenick are higher in the rank when is analyzed per capita.

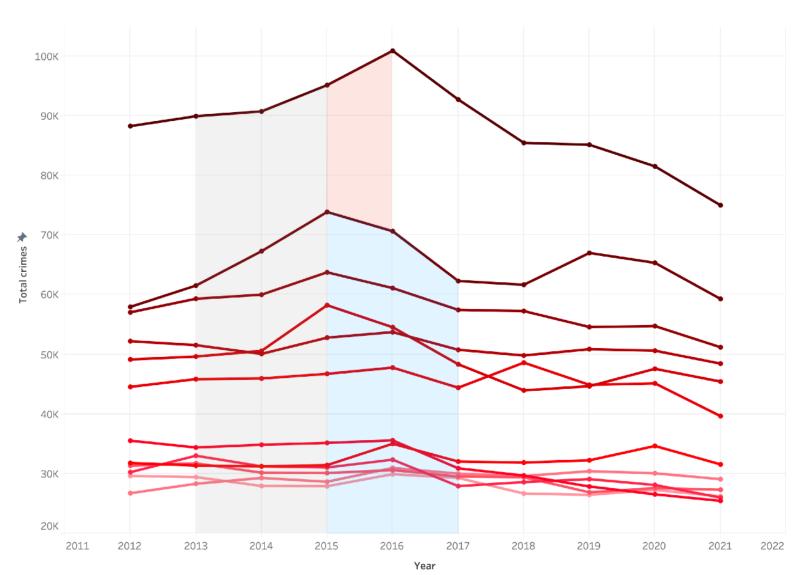
# Reinickendorf Pankow Flooriest on Pankow Charlottenburg Winnersdorf Tempelnorf Schöne S

Total crimes 2021:

#### Total crimes per population (Hz\*) 2021:



#### DISTRICTS CRIMES IN TIME



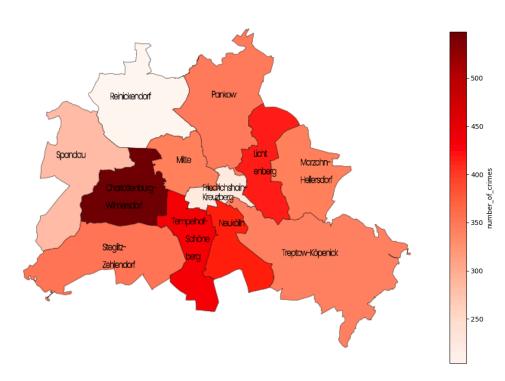


**2016** total peak is explained by the increase in crimes on district Mitte.

Tendencies between District distributes in similar ways. Crimes increase from 2013 to 2015, decreasing on 2016, except from Mitte.

## Where is more probable to:

# Get your car stolen?



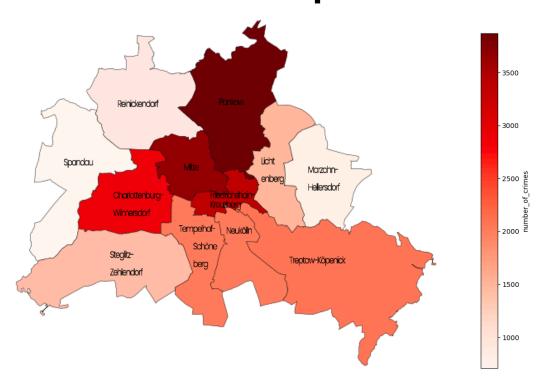
**Charlottenburg** is the Districts with more stolen vehicles in 2021, with **548** crimes. Follow by *Tempelhof-Schöneberg* with 434 and *Neukölln* with 418.



#### TYPES OF CRIMES PER DISTRICTS

#### Where is more probable to:

# Get your bike stolen?



**Pankow** is the Districts with more stolen bikes in 2021, with **3871** crimes. Follow by *Mitte* with 3637 and *Friedrichshain-Kreuzberg* with 3320.



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