

# **City and crime**

*how green spaces and density  
influence criminality in Berlin*

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15.03.2024



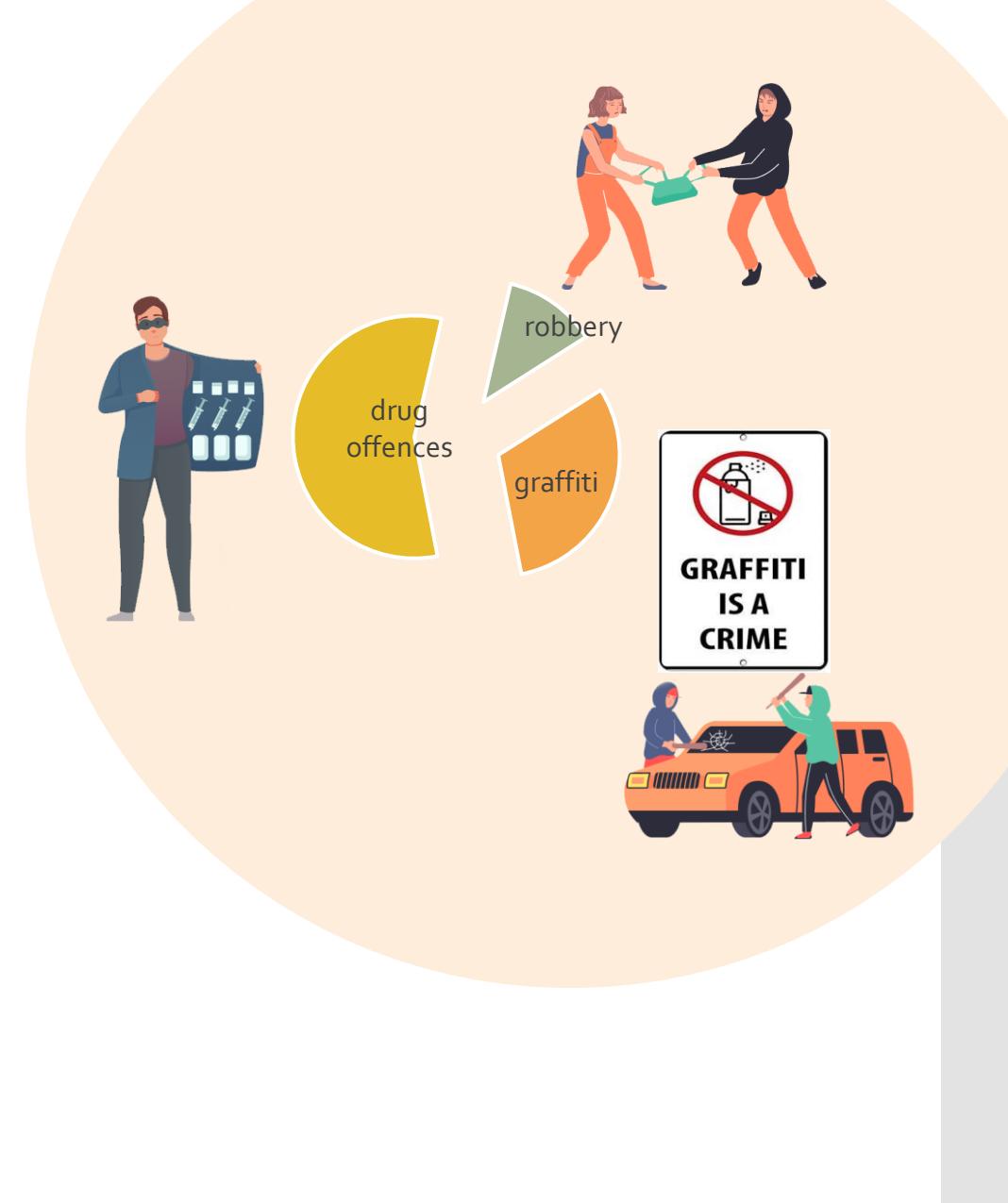
Crime



# Crime types

VS.

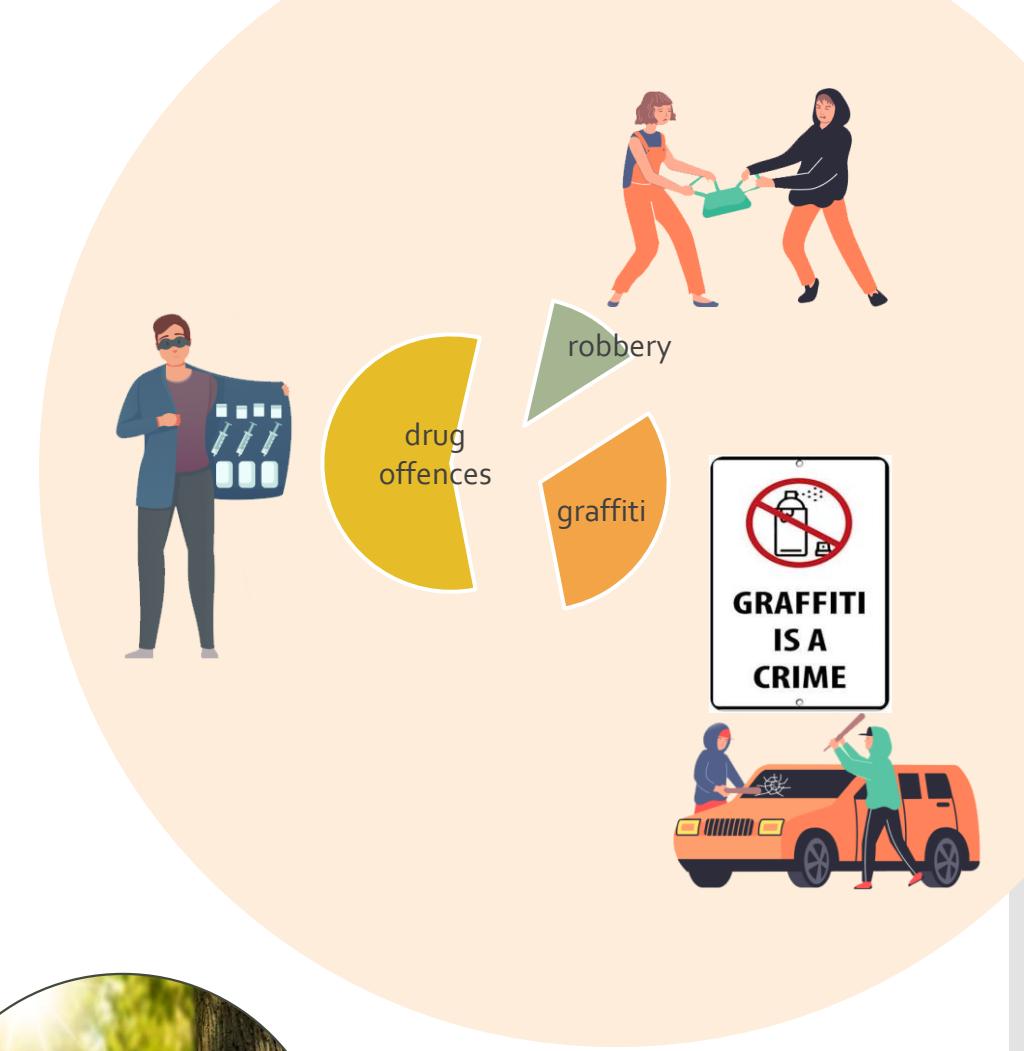
- Green spaces
- Density



# Crime types

VS.

- Green spaces
- Density

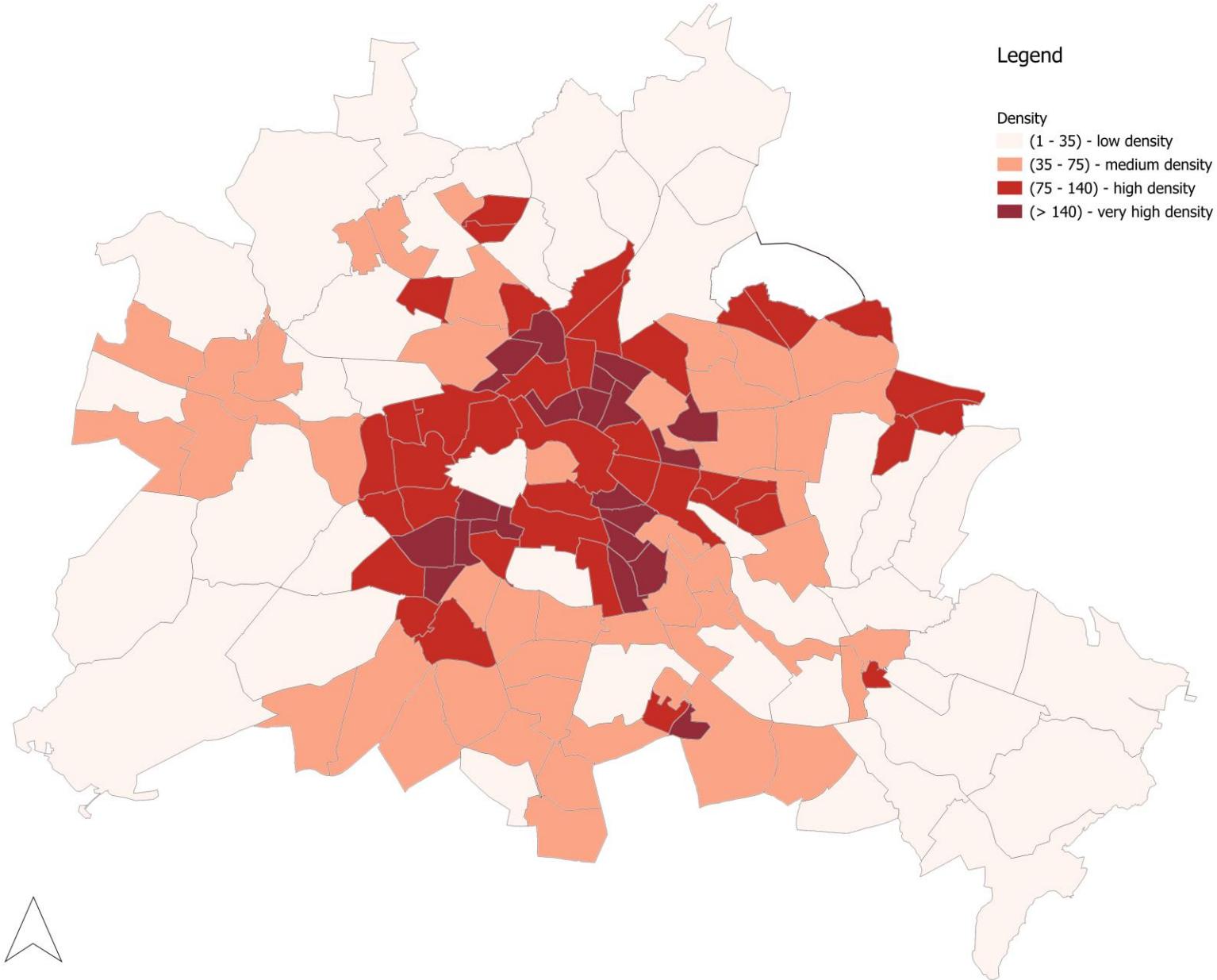


# Case study object: Berlin 143 subdistricts

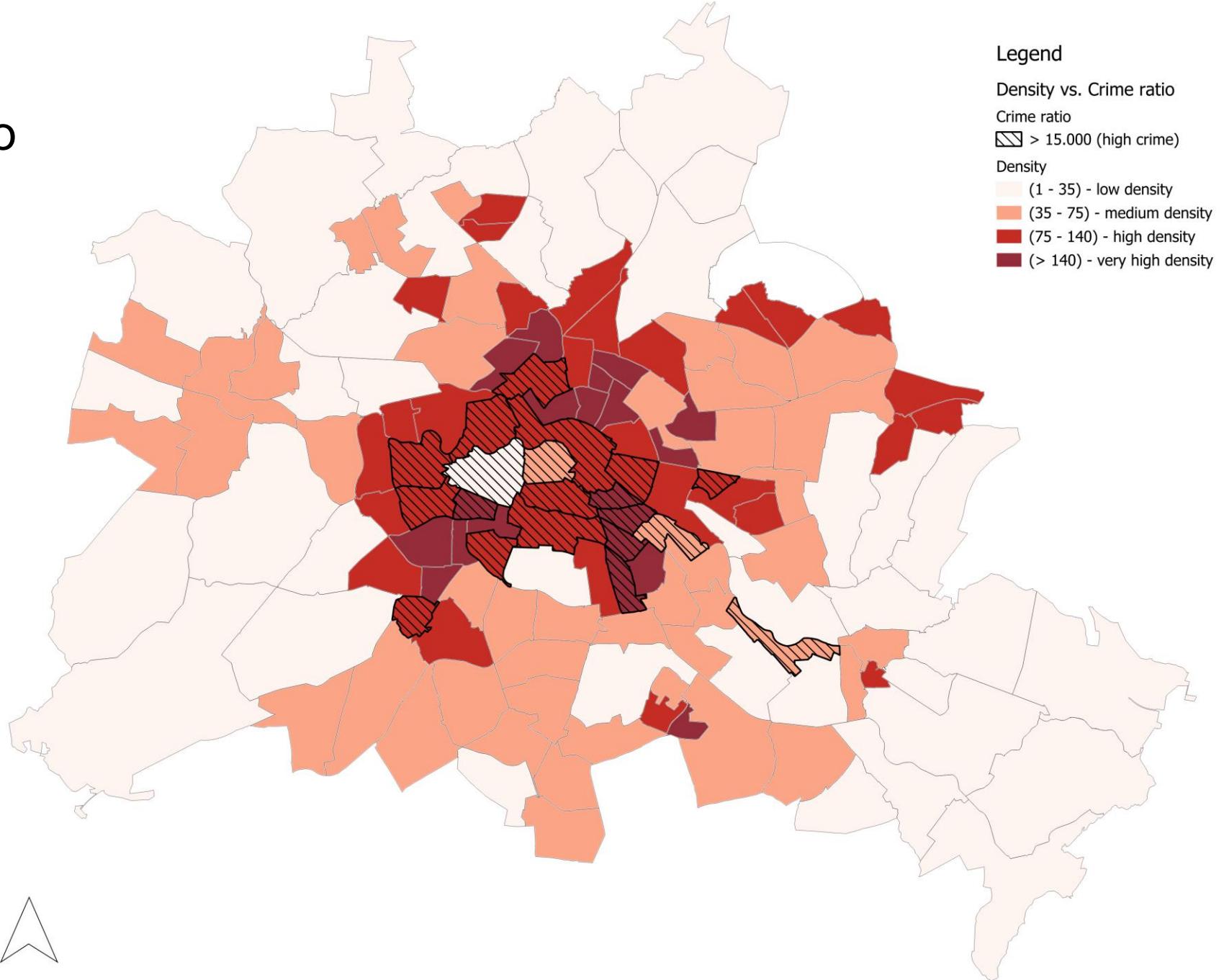


# Density vs. Crime ratio

Example:  
 $100 \text{ people} / 1 \text{ ha} =$   
 $= 1 \text{ person} / 100 \text{ qm}$



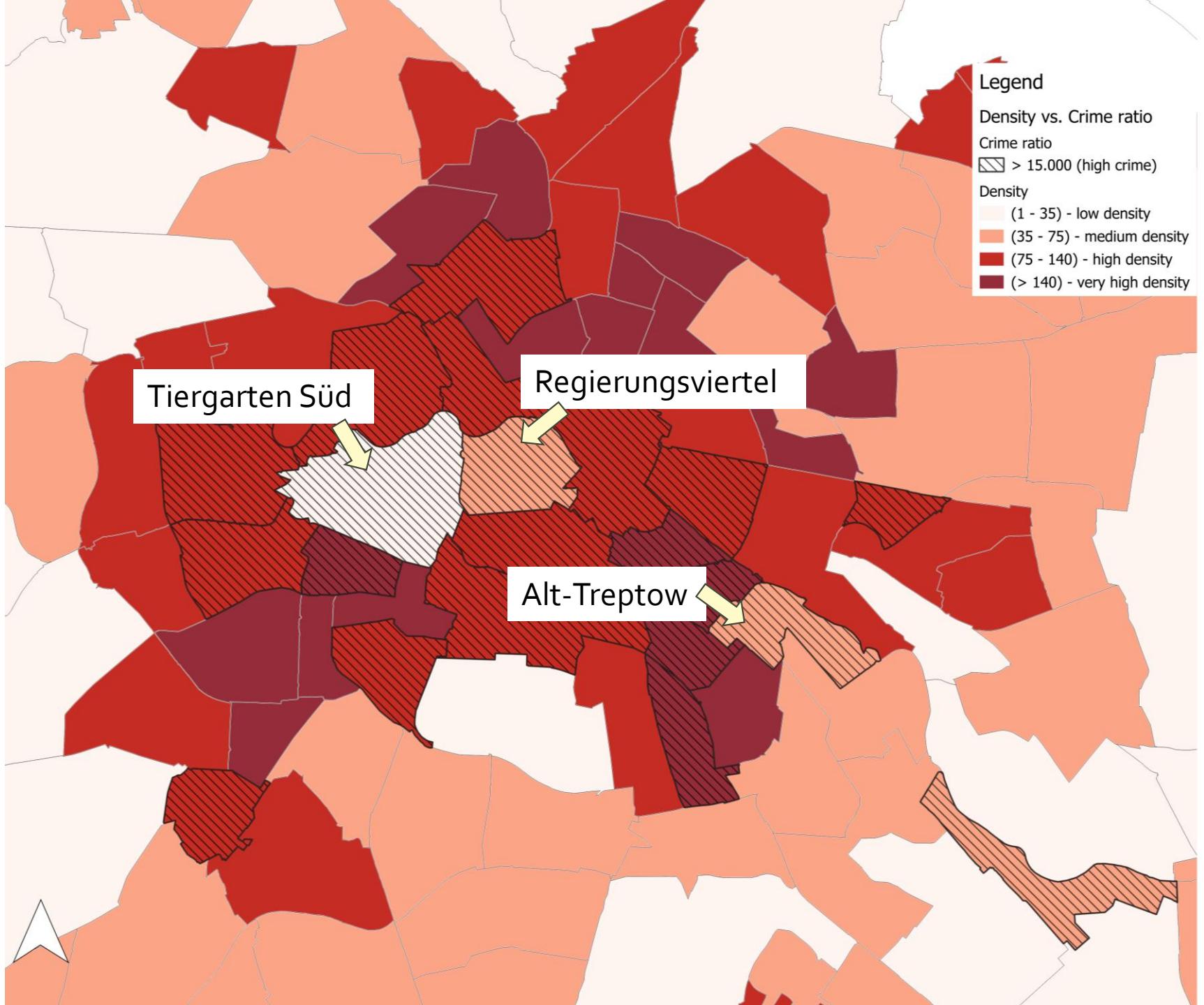
# Density vs. Crime ratio



# Density vs. Crime ratio

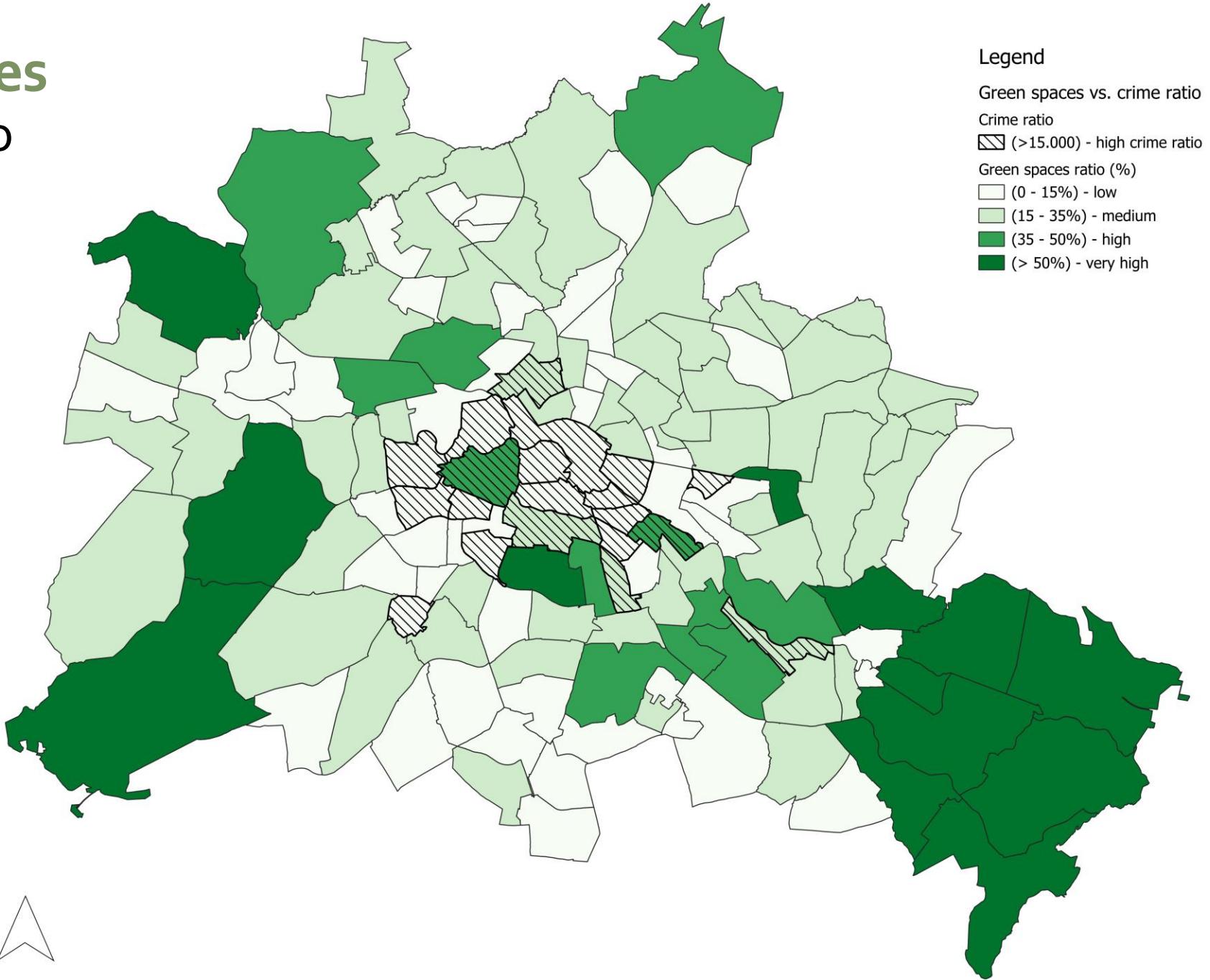
3 strange  
cases?!

Outliers???



# Green spaces

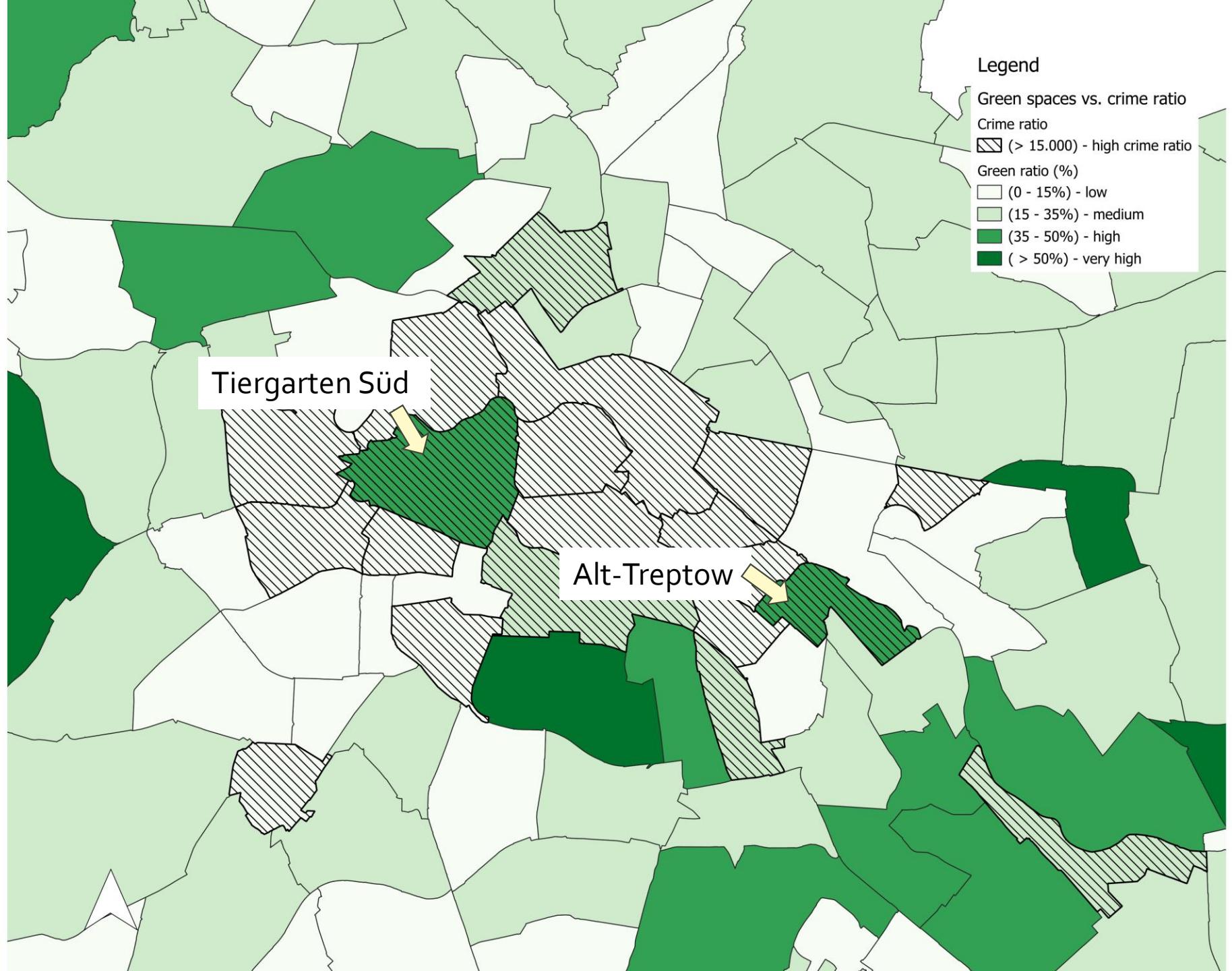
## vs. Crime ratio



# Green spaces vs. Crime ratio

2 strange  
cases?!

Again???



# Density & Green spaces vs. Crime ratio



Case 1: Tiergarten Süd

# Density & Green spaces vs. Crime ratio



Case 2: Alt-Treptow

# Density & Green spaces vs. Crime ratio

**Berliner Zeitung**

ne Thema des Monats News **Berlin** Bezirke Geopolitik Politik Wirtschaft Kultur Panorama 1. FC Union Verkehr

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### Treptower Park: Party mit viel Alkohol ruft Polizei auf den Plan

Eine Hundertschaft der Polizei trifft im Treptower Park auf mehrere Gruppen Feiernder und spricht Platzverweis aus. Die Stimmung sei gereizt gewesen.

dpa

31.07.2022 | 14:09 Uhr



Berlin: Junge Leute sitzen im Treptower Park. (Symbolbild)

Imago/Travel-Stock-Image

Neuer Problemkiez?

# Ist der Berliner Tiergarten wirklich so schlecht wie sein Ruf?

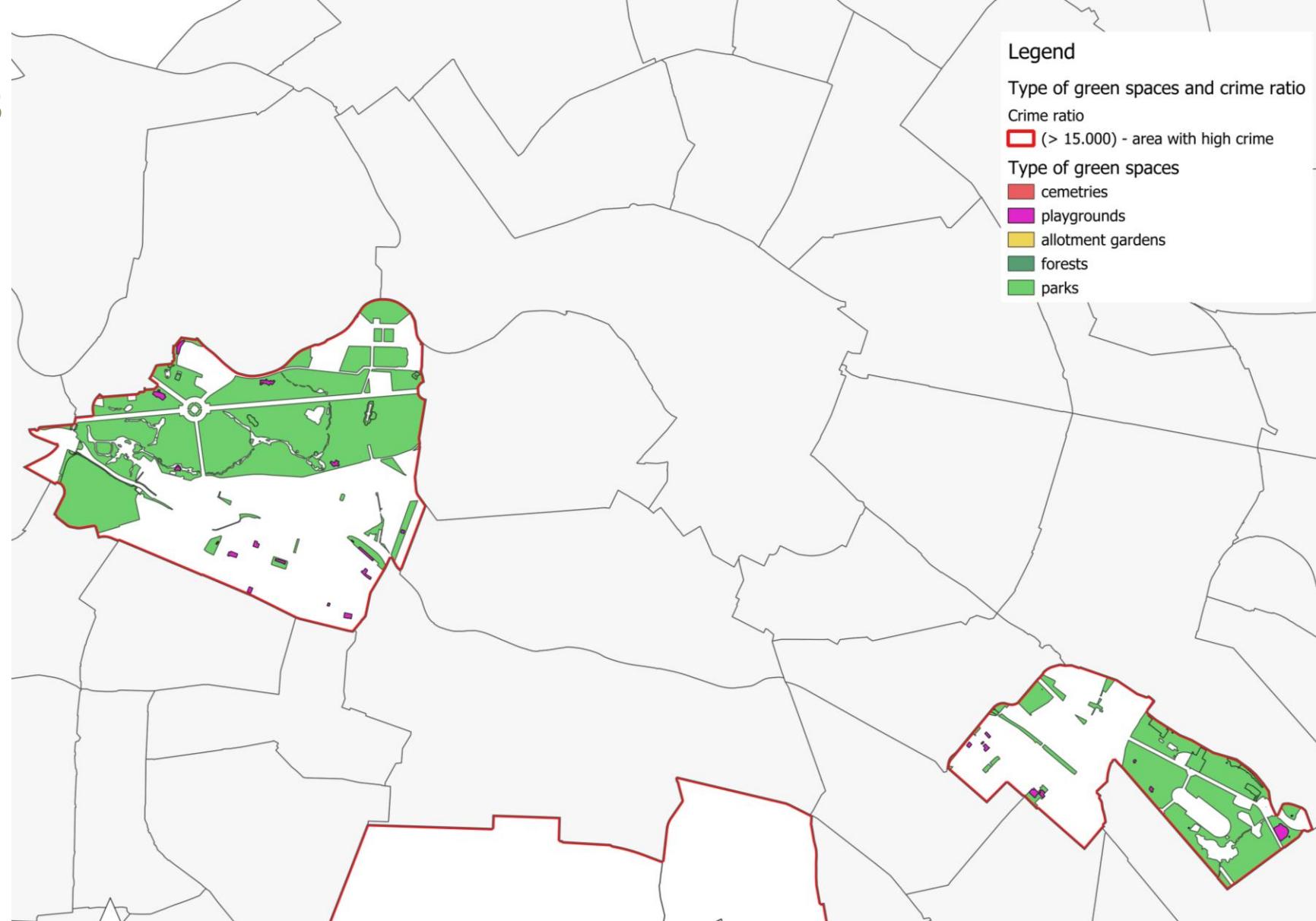


Der Berliner Tiergarten im Oktober 2017 Foto: Frank Senftleben

**Case 1: Tiergarten Süd  
Case 2: Alt-Treptow**

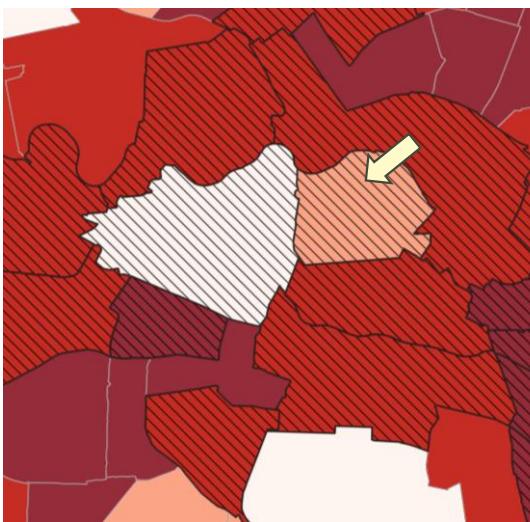
# Density & Green spaces vs. Crime ratio

Structure and  
distribution matters!



**Case 1: Tiergarten Süd**  
**Case 2: Alt-Treptow**

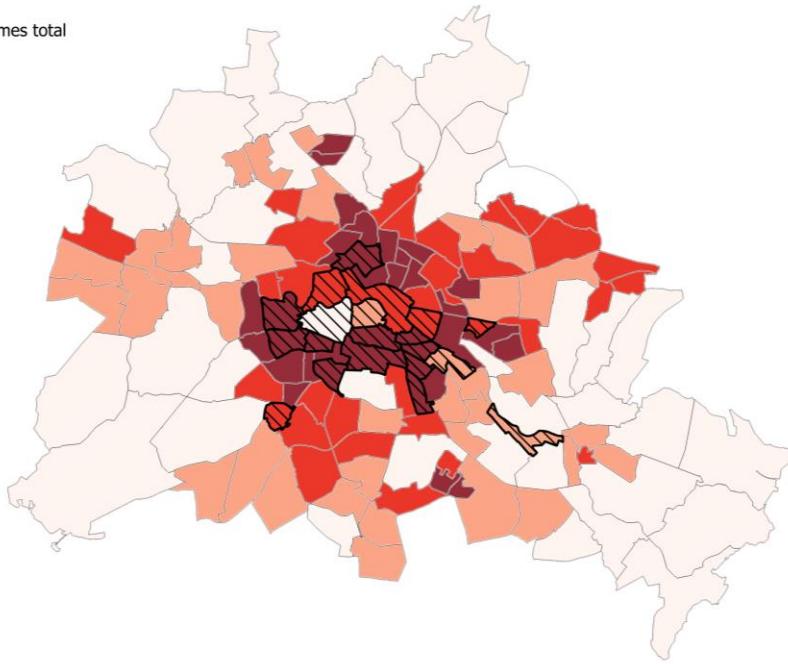
# Density & Green spaces vs. Crime ratio



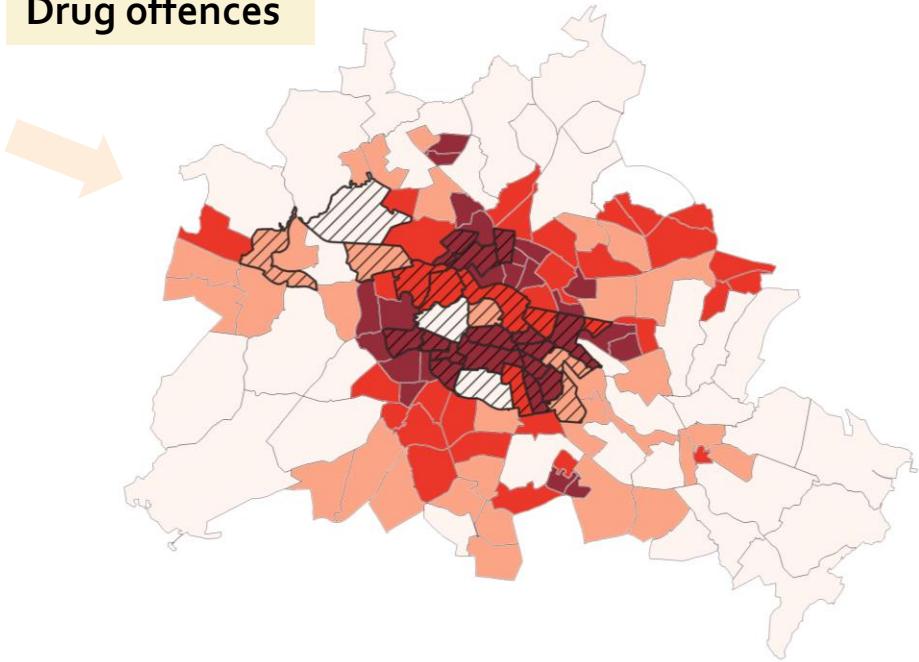
**Case 3: Regierungsviertel**

# Distribution of crimes

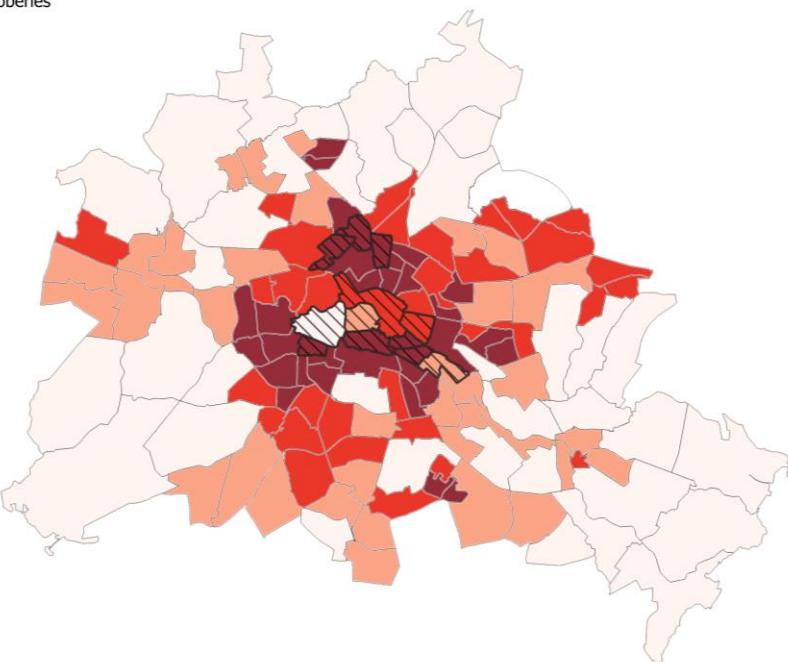
Crimes total



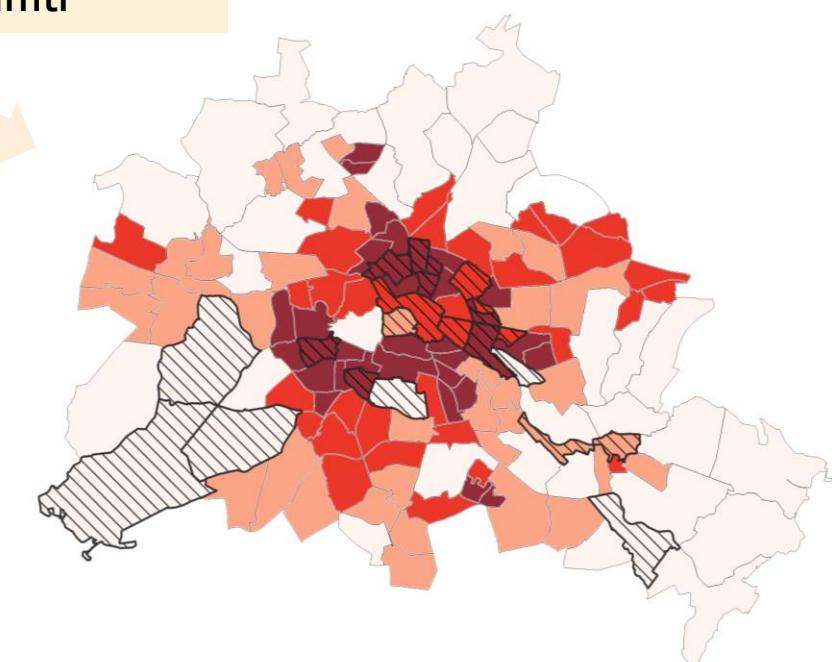
Drug offences



Robberies

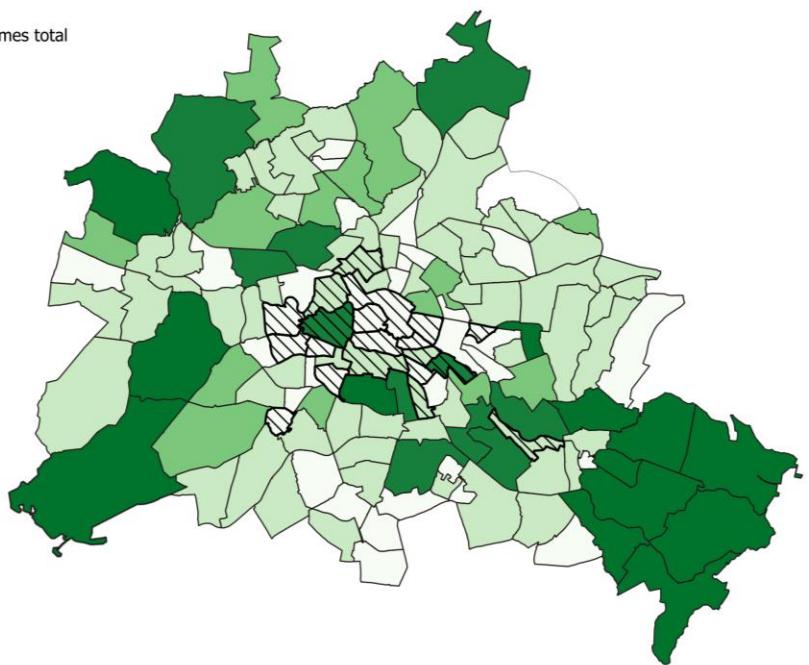


Graffiti

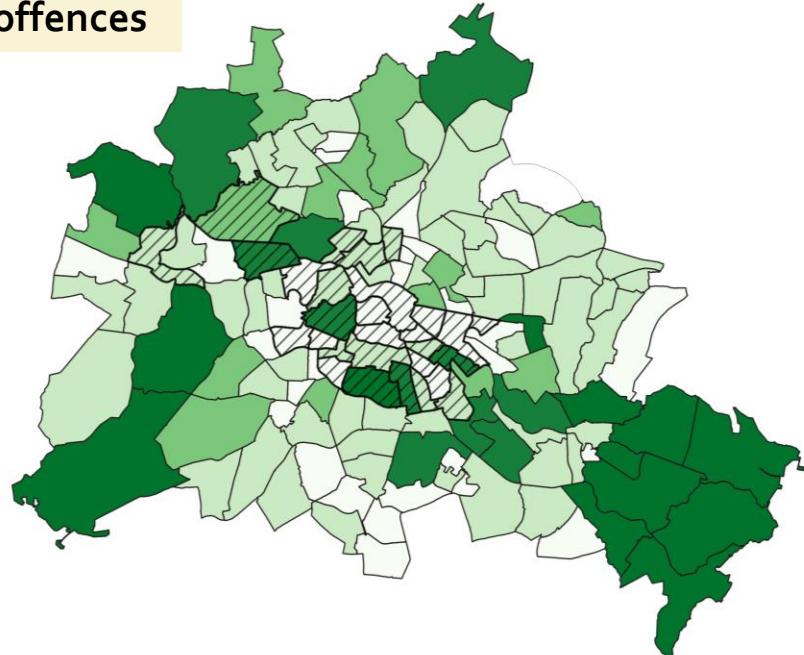


# Distribution of crimes

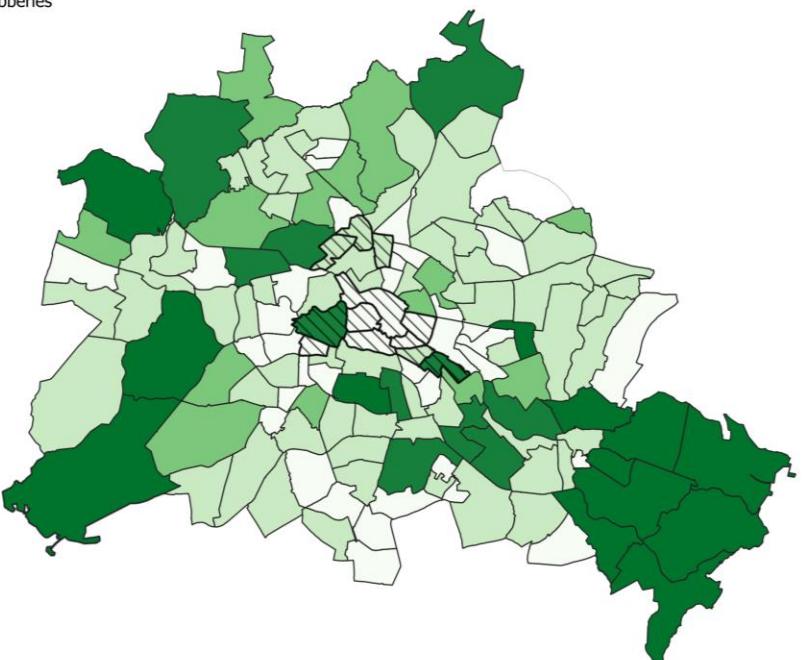
Crimes total



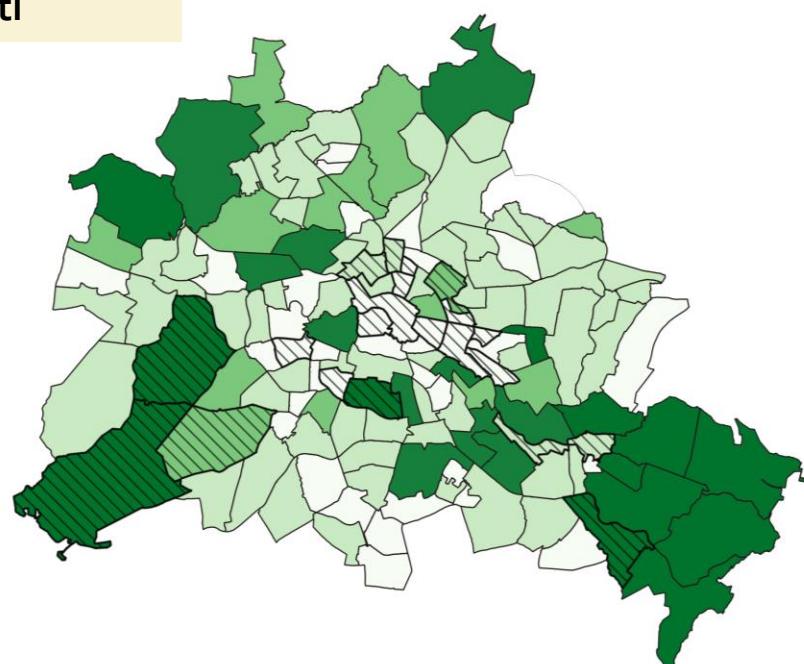
Drug offences



Robberies



Graffiti



# Conclusions

How those factors influence total crime ratio?

# Density vs. Crime ratio



High density = high crime

# Green spaces vs. Crime ratio



High green = low crime

Thank you  
for your attention!

