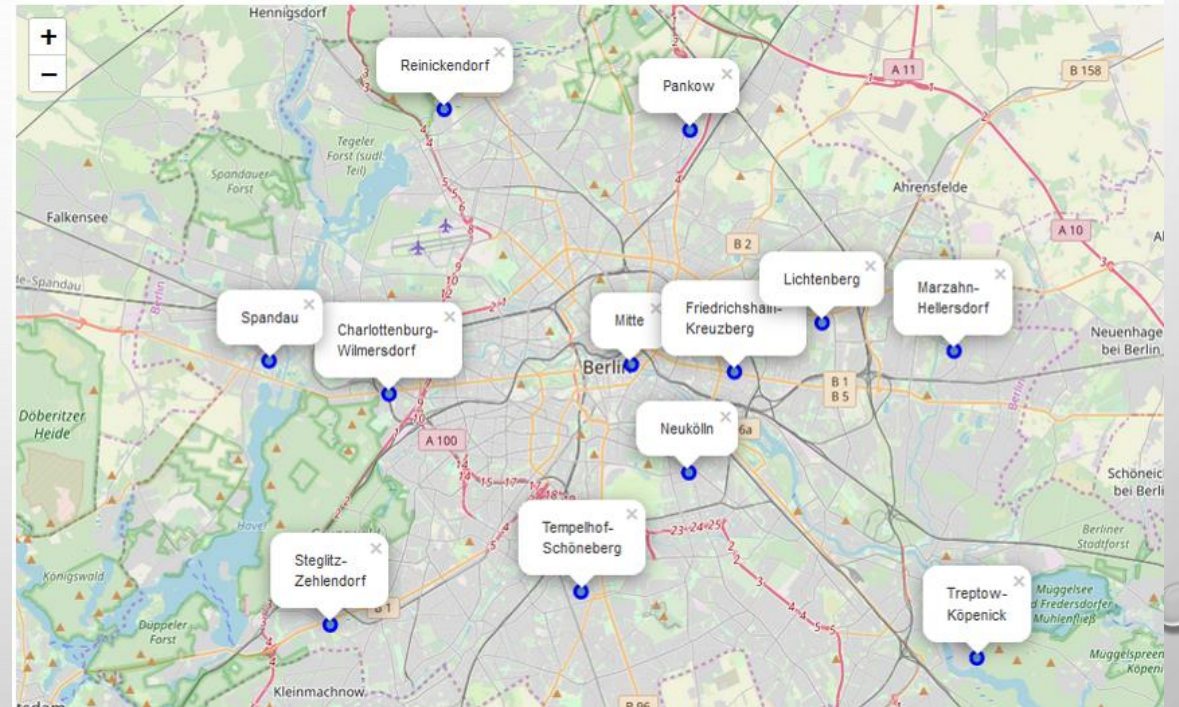
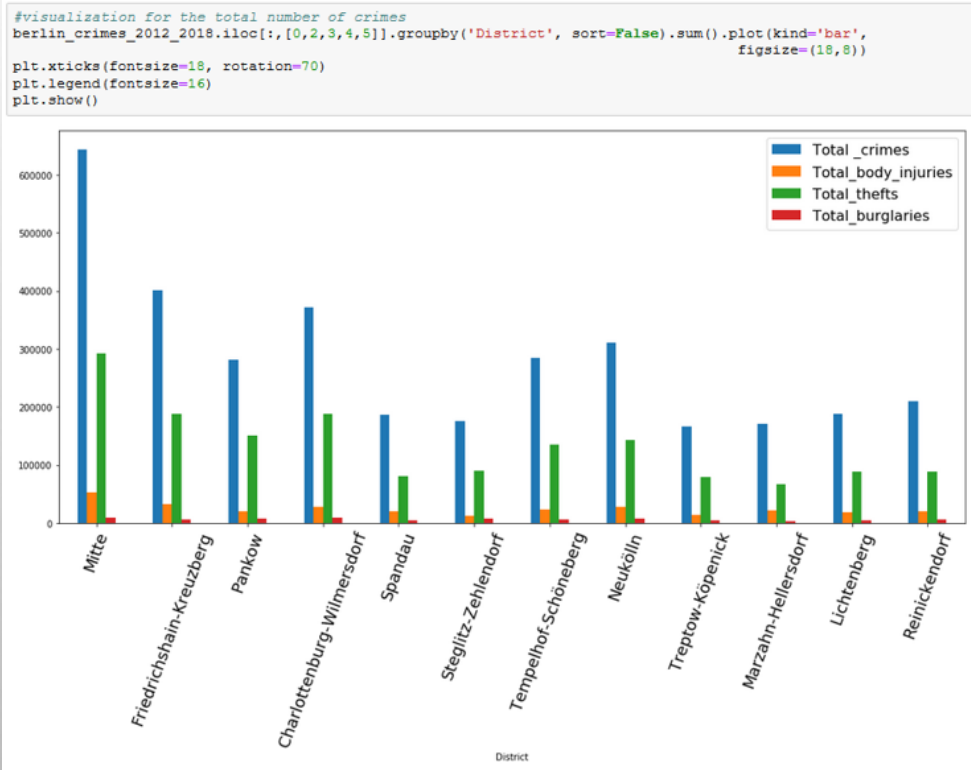


The background of the slide is a light gray gradient. It is decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and subtle. They are scattered across the slide, with a higher concentration in the top-left and bottom-right corners, and a few smaller ones near the center text.

# **BERLIN CRIME RATE BY DISTRICT VS. BERLIN FOURSQUARE VENUE CLUSTERS?**

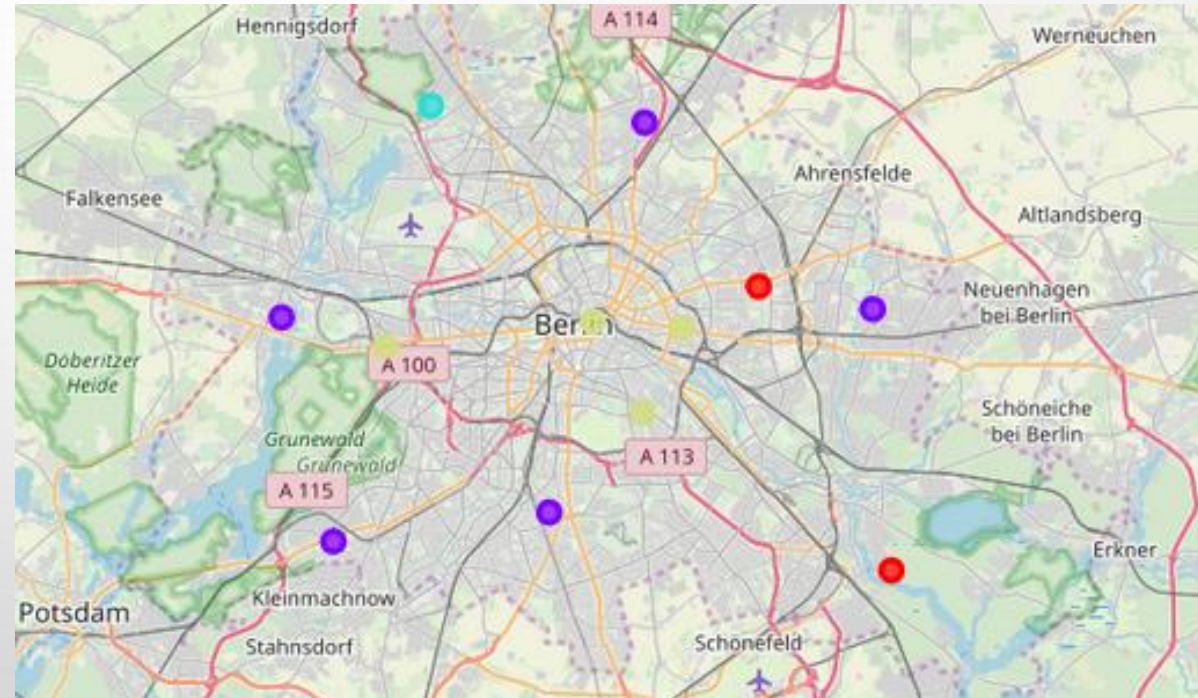
# BERLIN CRIME DATA BY DISTRICT

- DISTRICTS WITH THE MOST CRIMES CUMULATIVE FOR THE YEARS 2012-2018 ARE: CENTRAL BERLIN – MITTE, FREIDRICHSHAIN-KREUZBERG, CHARLOTTENBURG-WILMERSDORF AND NEUKÖLN. ALL THESE DISTRICTS ARE CENTRALLY LOCATED.
- DISTRICTS WITH THE LEAST AMOUNT OF CRIMES ARE SPANDAU, STEGLITZ\_ZEHLENDORF AND TREPTOW-KOPENICK. THESE ARE ALL PERIPHERAL DISTRICTS OF BERLIN.



# CLUSTERING OF THE BERLIN DISTRICT ACCORDING TO TYPE OF THE VENUES

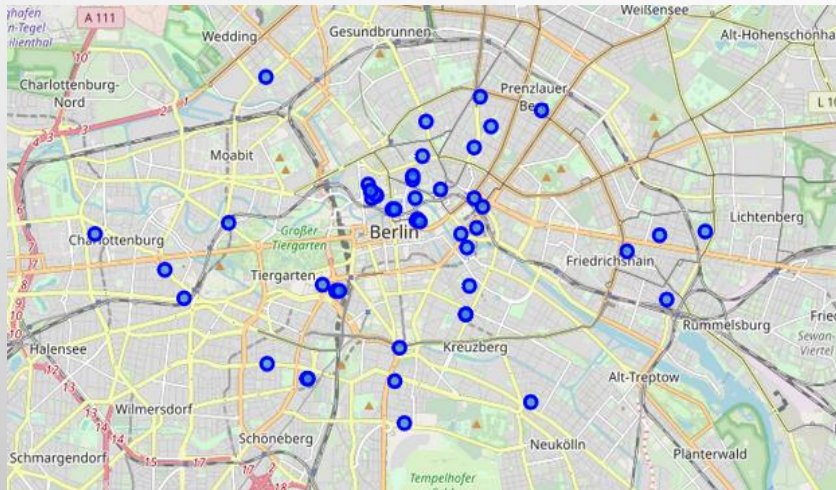
- CLUSTER 0 - RED COLOR - LICHTENBERG AND TREPTOW-KOPENICK
- CLUSTER 1 - PURPLE COLOR - MARZAHN-HELLERSDORF, PANKOW, SPANDAU, STEGLITZ-ZEHLENDORF, TEMPELHOF-SCHÖNEBERG
- CLUSTER 2 - LIGHT BLUE – REINICKENDORF
- CLUSTER 3 – GREEN/YELLOW COLOR - CHARLOTTENBURG-WILMERSDORF, FRIEDRICHSHAIN-KREUZBERG, MITTE, NEUKOLN.
- WE CAN SEE FROM THE CLUSTERING THAT CLUSTERS WITH MOST OF THE CRIMES ARE ALL LOCATED IN THE SAME CLUSTER IN THIS CASE CLUSTER NR. 3. ALL MEMBERS OF THIS CLUSTER ARE CENTRALY LOCATED





# MAPS OF THE PARTICULAR VENUES

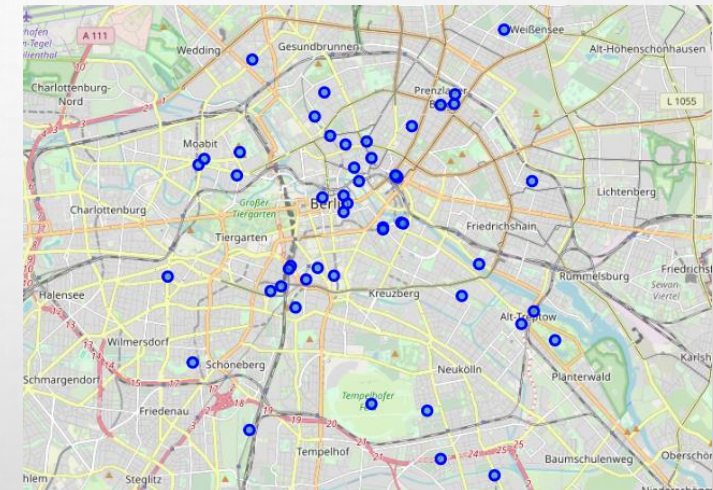
Map of theaters



Map of music pubs



Map of green areas and parks



# CONCLUSION

- CENTRAL DISTRICTS ARE ALL LOCATED IN THE CLUSTER 3 AND WE KNOW FROM THE DATA CRIME VISUALIZATION CHART THAT CENTRAL DISTRICTS HAVE MORE CRIMES THAN PERIPHERAL DISTRICTS.
- REGARDING OUR QUESTION IT SEEMS THERE IS A CLEAR TRADE-OFF BETWEEN SECURITY OF THE PLACE AND NUMBER OF INTERESTING VENUES. MOST VIBRANT PARTS OF THE CITY ARE ALSO PARTS WITH THE BIGGEST CRIME RATE. PERIPHERAL PARTS OF THE TOWN ARE PARTS WITH SMALLEST CRIME RATE AND ALSO LESS ACTIVITIES AND LESS INTERESTING VENUES.
- CHOICE OF THE CITY DISTRICT TO LIVE ACCORDING TO THIS DATA IS NOT AN EASY ONE, IT IS VERY INDIVIDUAL, AND THERE ARE NO CLEAR WINNER. FROM THIS DATA I PERSONALLY WOULD CHOOSE EASTERN PART OF THE CITY LICHTENBERG AND MARZAHN-HELLERSDORF. THEY ARE AS CLOSE AS POSSIBLE TO THE CENTER AND ALSO IN THE AREA WITH THE LEAST CRIME RATES.