IF YOU WANT TO MOVE TO THE WORLD'S MOST LIVEABLE CITY, PACK YOUR BAGS AND BOOK A FLIGHT TO VIENNA!!!!

The World's Most Liveable Cities
Global cities ranked by liveability in 2018 (100=ideal)

Rank	City	Score
1	Vienna	99.1
2	Melbourne	98.4
3	Osaka	97.7
4	Calgary	97.5
5	Sydney	97.4
6	Vancouver	97.3
7	Toronto	97.2
8	Tokyo	97.2
9	Copenhagen	96.8
10	Adelaide	96.6

The survey assesses 140 cities, ranking them according to stability, healthcare, culture and environment, education, and infrastructure.
@StatistaCharts   Source: The Economist

statista
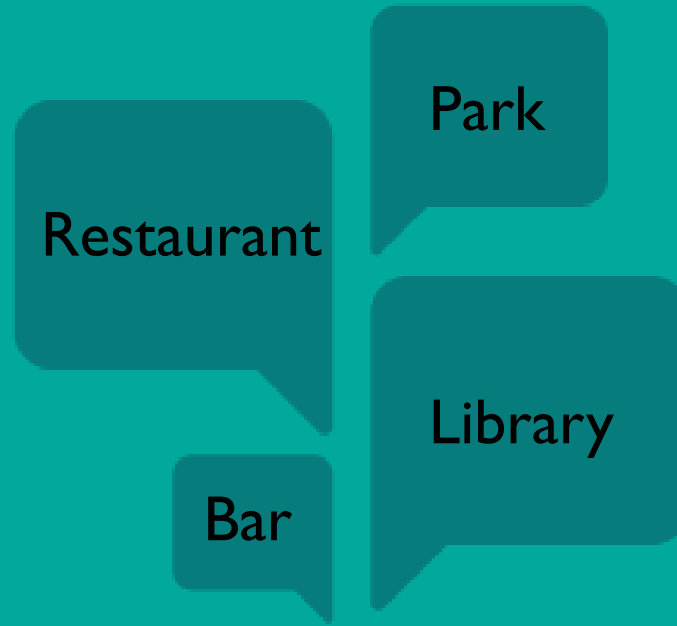
GOAL

- To find an affordable neighborhood with proper facilities in Vienna to start living in this city!!!

- The place should:
 - Have affordable rent (cheap 🙂)
  - Be convenient

DATA SETS

- Vienna Rental Price:

- https://www.virtualvienna.net/moving-to-vienna/accommodation-in-vienna/real-estate-rental-prices/

- Districts latitude and longitude:

- https://data.wien.gv.at/daten/geo?service=WFS&request=GetFeature&version=1.1.0&typeName=ogdwien:BEZIRKSGRENZEOGD&srsName=EPSG:4326&outputFormat=json
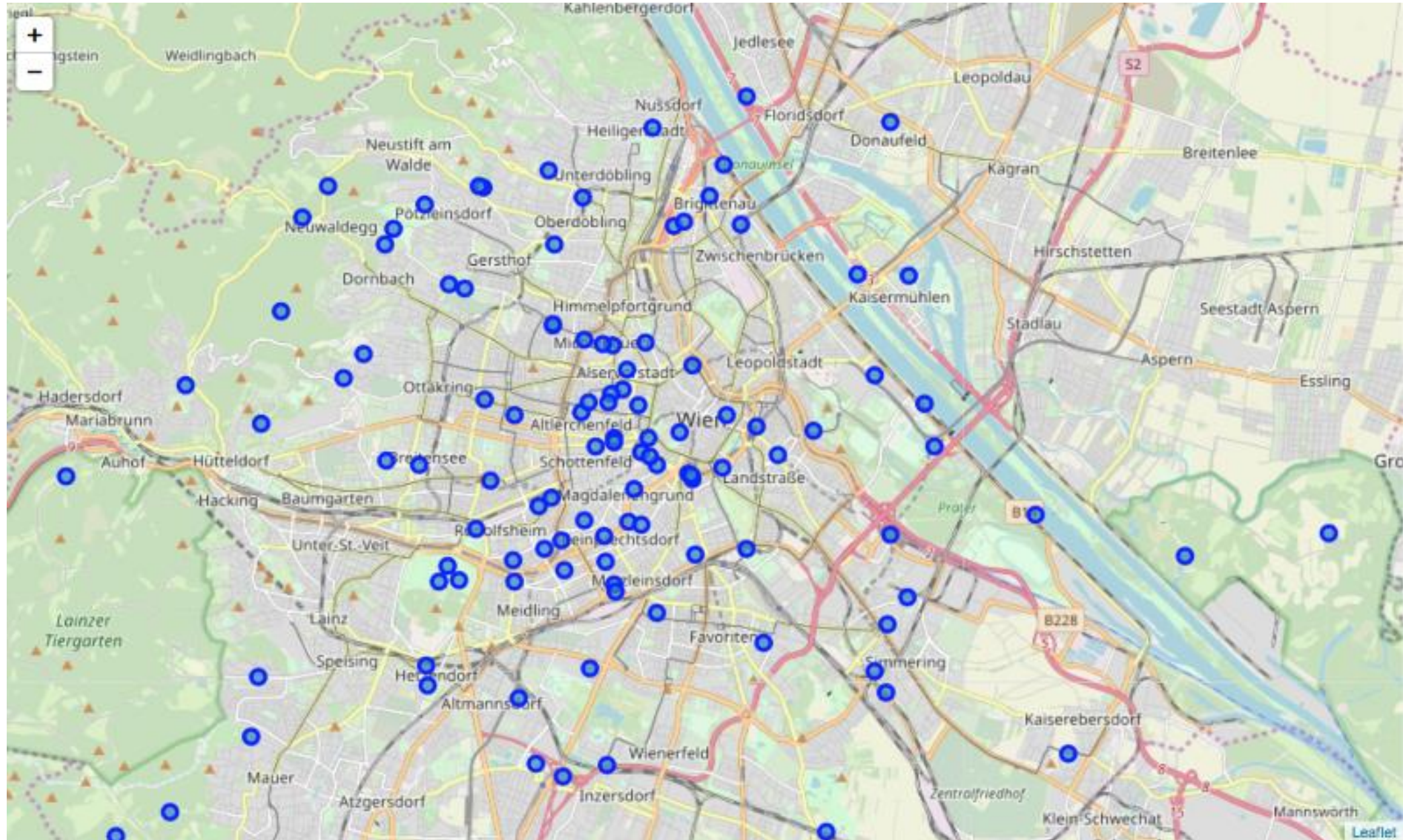
- Vienna public area data:

- https://www.wien.gv.at/statistik/lebensraum/tabellen/nutzungsklassen-bez.html

TOOLS

- Data wrangling
  - numpy, pandas
- Data visualization
  - seaborn
- Clustering
 - K-means

RENTAL PRICE FOR EACH DISTRICT
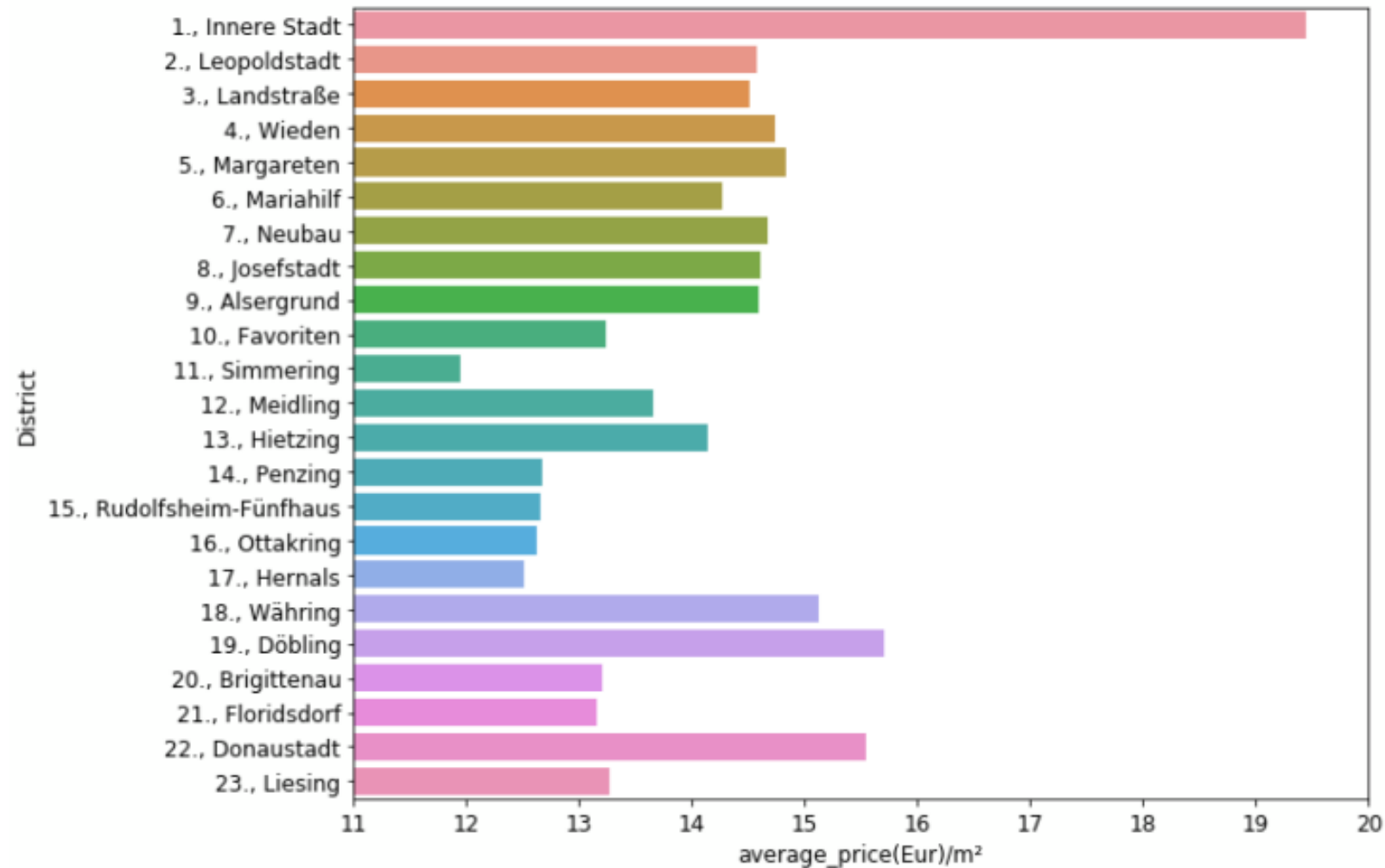
MAP OF VIENNA

NEIGHBORHOODS ALONG WITH THEIR COMMON VENUES (ONLY PARTIALLY VISIBLE DUE TO THE LARGE SIZE OF TABLE)

	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue
0	Am Bahndamm	Dog Run	Campground	Train Station	Restaurant	Zoo Exhibit	Fabric Shop	Falafel Restaurant	Farmers Market	Fast Food Restaura
1	Amerling-Denkmal	Austrian Restaurant	Hotel	Italian Restaurant	Restaurant	Café	Bar	Wine Bar	Steakhouse	Bakery
2	Anschüttbrückl	Plaza	Zoo Exhibit	Fish Market	Exhibit	Fabric Shop	Falafel Restaurant	Farmers Market	Fast Food Restaurant	Field
3	Anton-Proksch-Wohnhausanlage	Italian Restaurant	Greek Restaurant	Wine Bar	Bus Stop	Market	History Museum	Gym Pool	Cocktail Bar	Austrian Restaura
4	Aspern Seestadt	Pizza Place	Park	Bakery	Austrian Restaurant	Pub	Fruit & Vegetable Store	Metro Station	Lake	Flower Shop

CLUSTERING NEIGHBOR-HOODS
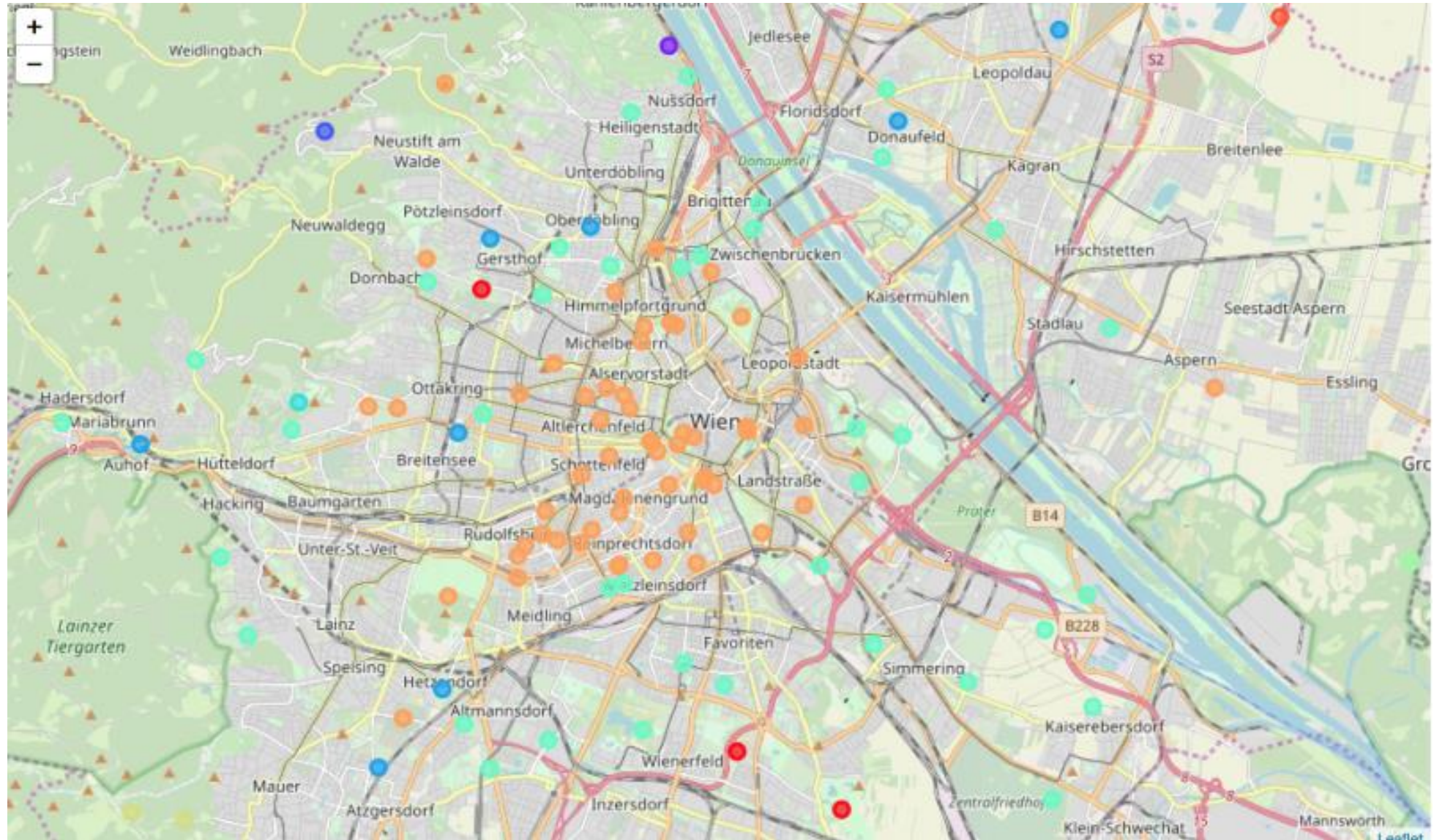
CONCLUSION

- Choosing the suitable neighborhood to live is different for each person
- In this project, we clustered neighborhoods in Vienna based on the rent and venues in the neighborhood
- One can choose their favorite neighborhood based on this data