Family-friendly Places in Munich

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Intro

- Munich, Germany, is popular for tourism and immigration.
- This project helps families to compare family-friendly eating places in Munich.
- The audience of this project are families who either live in Munich or visit the city.

Goals of the project

- Explore districts in Munich and compare them by family-friendly eating places (restaurants, bakeries, etc.)
- Offer stakeholders an overview of Munich districts.
- Find most popular venues.

Data

- List of Munich districts:
  https://www.toytowngermany.com/wiki/Munich_city_districts
- District locations are obtained via geopy library based on district names.
- Family-friendly places are obtained via Foursquare API.
- The data is prepared and cleaned using pandas Python library.
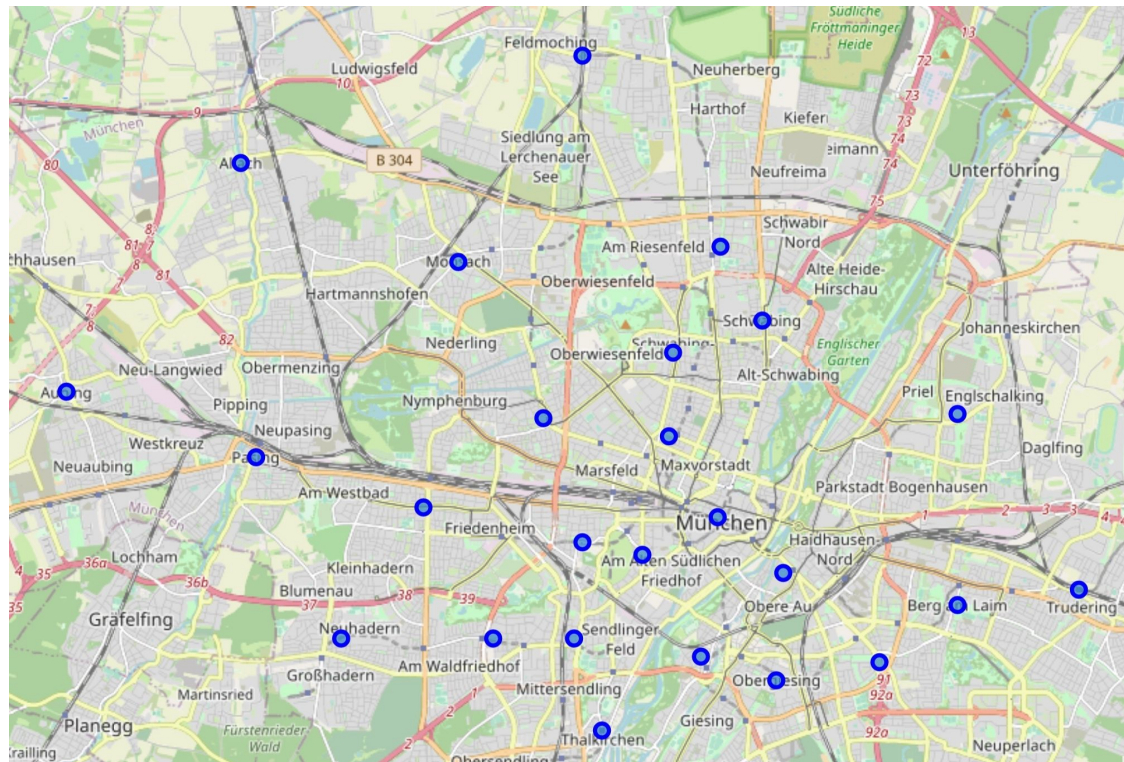
25 districts

98 venue categories
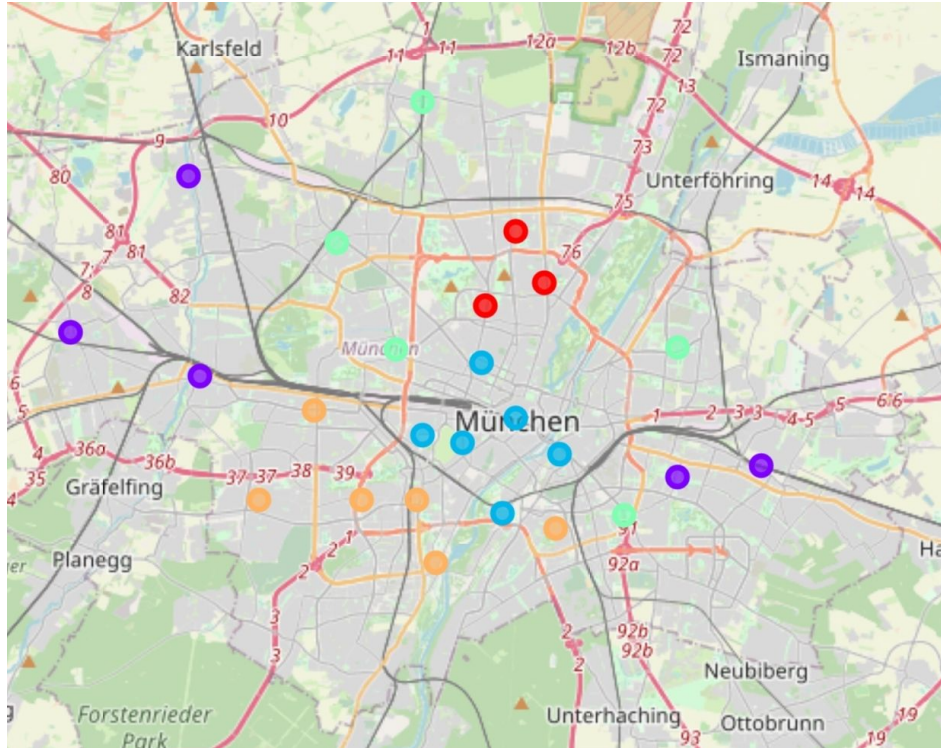
Most popular

Café
Italian Restaurant
German Restaurant
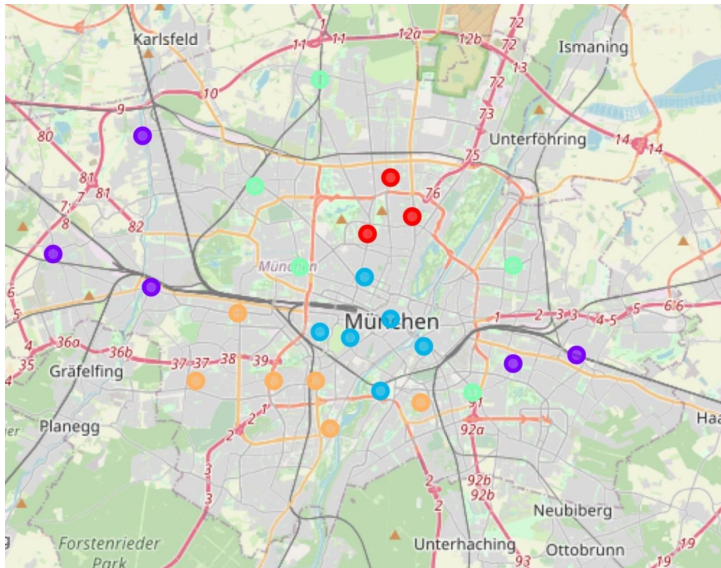Greek Restaurant
Bakery

Districts

Clustering (K-means)

Clustering (K-means)

Cluster 0: in districts of this cluster families will mostly find cafe, italian restaurant and some kind of asian restaurant.

Cluster 1: looks like a restaurant focused cluster. In districts of this cluster families will mostly find: italian restaurant, german restaurant and bakery.

Cluster 2: in districts of this cluster families will mostly find cafe and german/bavarian/italian restaurant. notably all the district here are located in the city center, therefore it's understandable that cafe and restaurant are the most common places.

Cluster 3: This cluster seems to be similar to Cluster 1, with prevailing number of cafes vs bakeries in Cluster 1. interestingly just like in Cluster 1 districts of this cluster aren't located within the same part of the city.

Cluster 4: in districts of this cluster families will mostly find: cafe, italian restaurant, german restaurant and ice cream shop.

Conclusion

- There's no perfect cluster or district.
- Clusters differ by prevailing eating place type.
- Italian places seem to be more popular than German ones.
- Only one region (south) has a good amount of ice cream shops.
- The project can be used as part of a bigger study on Munich districts to find family friendly districts using multiple different parameters, not just eating places

Thanks!