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# COMPARE THE 25 BOROUGHES IN MUNICH

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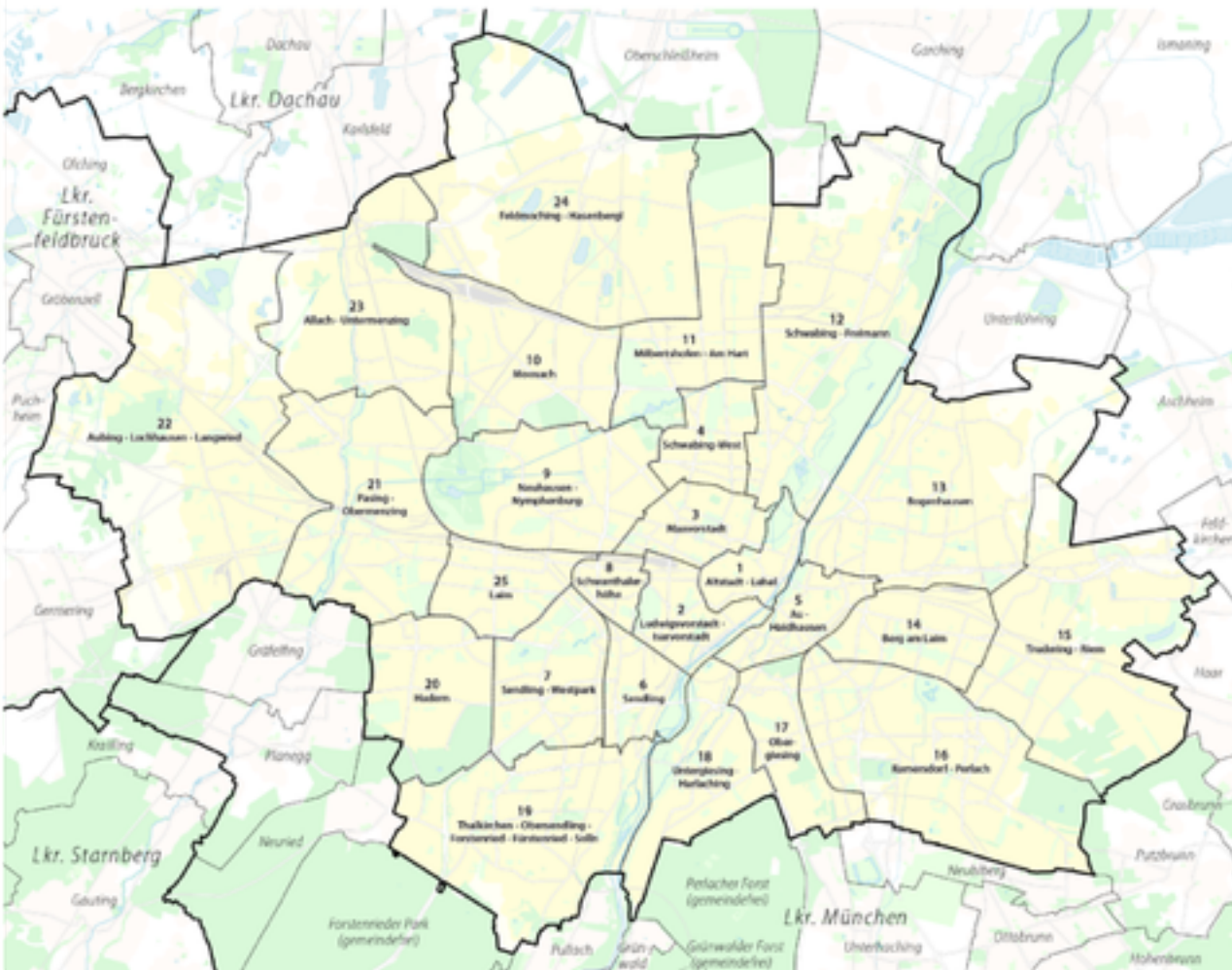
Jiesi Zheng 02.09.2020

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# BACKGROUND

**Stadtbezirke von München**



- There are 25 boroughs in Munich. I want to compare the venues and housing prices of the boroughs. It helps people who wants to move to Munich.



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# DATEN

- In this project i will mainly use:
  - longitude and latitude of the boroughs from google maps
  - area of the boroughs from wikipedia
  - venues information from foursquare
  - housing prices from internet
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# METHODOLOGY

	Boroughs	Area (km <sup>2</sup> )	Latitude	Longitude
0	Altstadt-Lehel	315.0	48.137828	11.574582
1	Ludwigsvorstadt-Isarvorstadt	440.0	48.130340	11.573366
2	Maxvorstadt	430.0	48.151092	11.562418
3	Schwabing-West	436.0	48.168271	11.569873
4	Au-Haidhausen	422.0	48.128753	11.590536

- use geocode to find the latitude and longitude of the boroughs

	Borough	1st most common venue	2nd most common venue	3rd most common venue	4th most common venue
0	Allach-Untermenzing	Drugstore	Supermarket	Bakery	Sporting Goods Shop
1	Altstadt-Lehel	Café	Plaza	German Restaurant	Bavarian Restaurant
2	Au-Haidhausen	Italian Restaurant	Restaurant	Concert Hall	Coffee Shop
3	Berg am Laim	Supermarket	Hotel	Bakery	Café

- use foursquare to find out the venues in the boroughs
- find out the most common venues