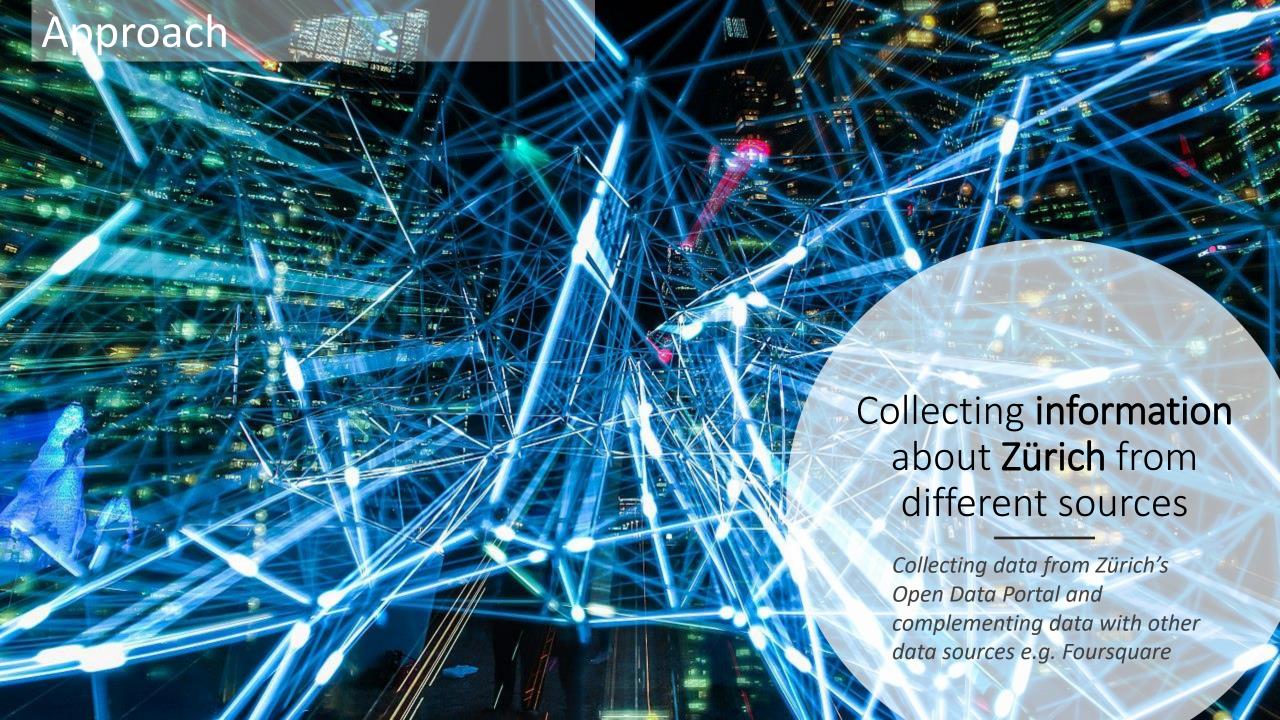


Capstone Project

Battle of the Neighborhoods
Part 2







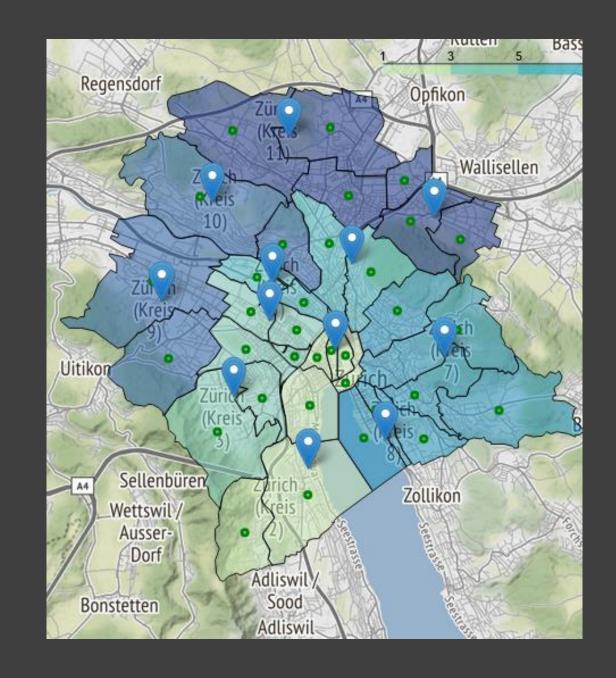


Zürich The City -Overview

Zürich is divided into 12 districts (Kreise) and 34 neighborhoods (Quartiere)

Facts and Figures

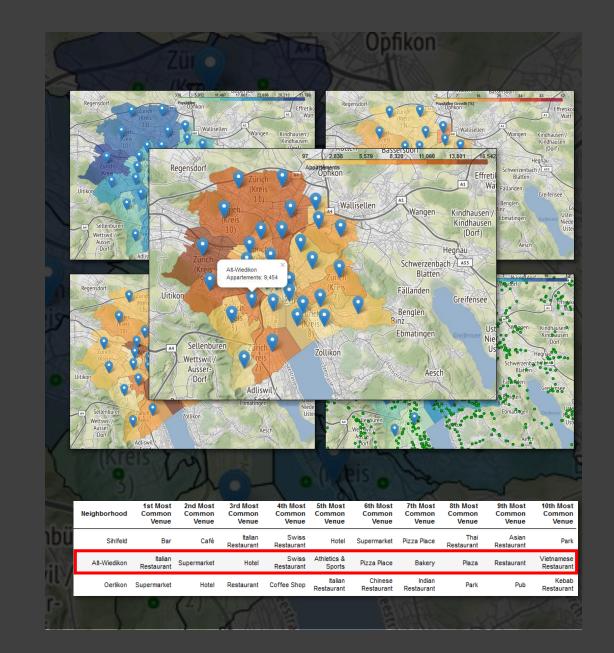
- With 428'000 (2018) people living in Zürich it is the largest city of Switzerland
- Population density of 4'300 people/km²
- Hosts about 128 different nationalities living distributed across the city
- Has a highly developed public transport system comprising of approx. 3'000 stops (only one direction counted)



Insight

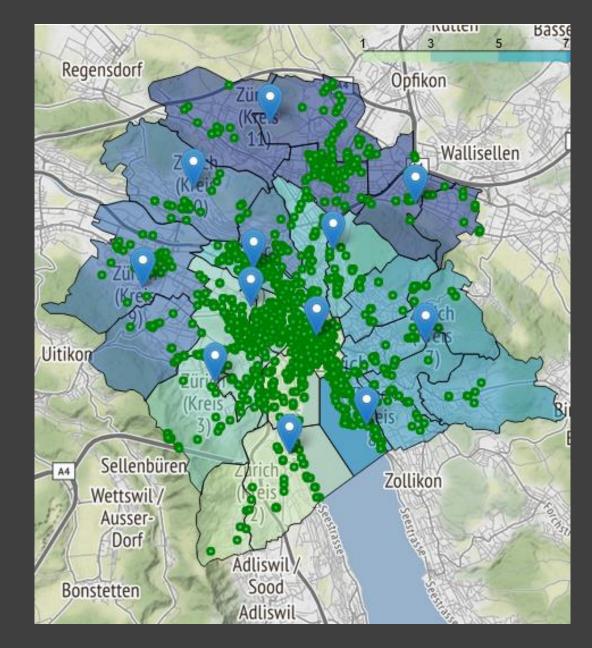
"Alt-Wiedikon" a good place to live

- Close to the center of Zürich
- Close to the lake of Zürich
- Moderate population growth of 6%
- Enough living space 9'500 apartments
- Average income area
- Well connected to public transport
- Residential area with restaurants, Supermarkets and Sports facilities



Venues across Zürich

- With approx. 2000 venues and more than 200 different venue categories, Zürich compares well with far larger cities like Toronto¹
- Data visualization make it obvious how venues concentrate in the center of Zürich and are far less around the city



Note:

Trending Neighborhoods

Neighborhoods have each a unique "fingerprint" of venues, which determines their character and the trends which each neighborhood is representing.



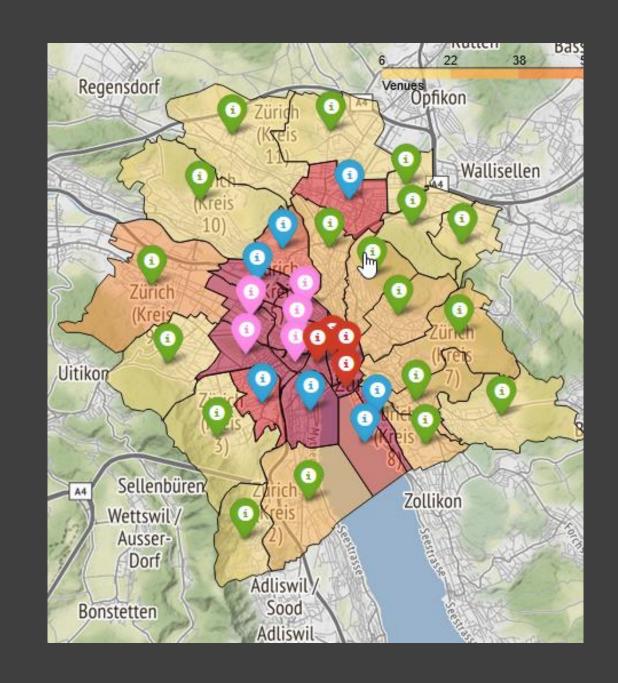
Zürich clustered along venues and categories

Clustering distinguishes:

- surrounding and 'more central' residential areas of Zürich (green and blue)
- active areas in the center (red and pink)

Note:

Interesting is that clustering somewhat corresponds with predefined neighborhoods.

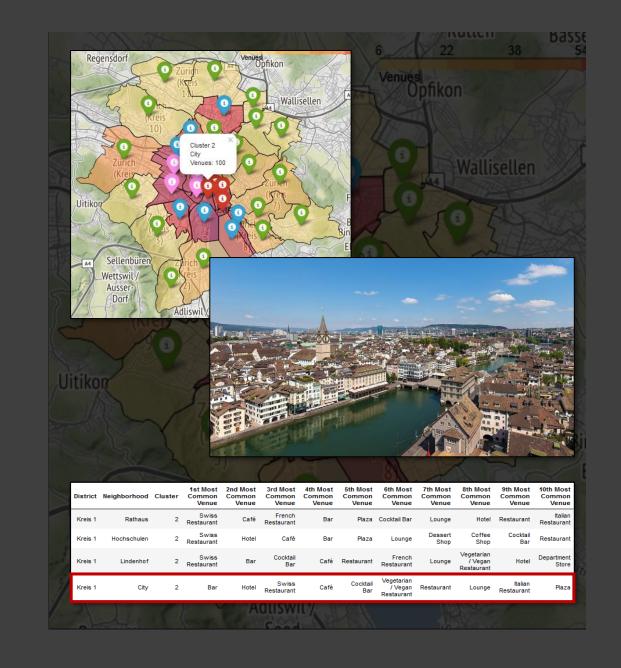


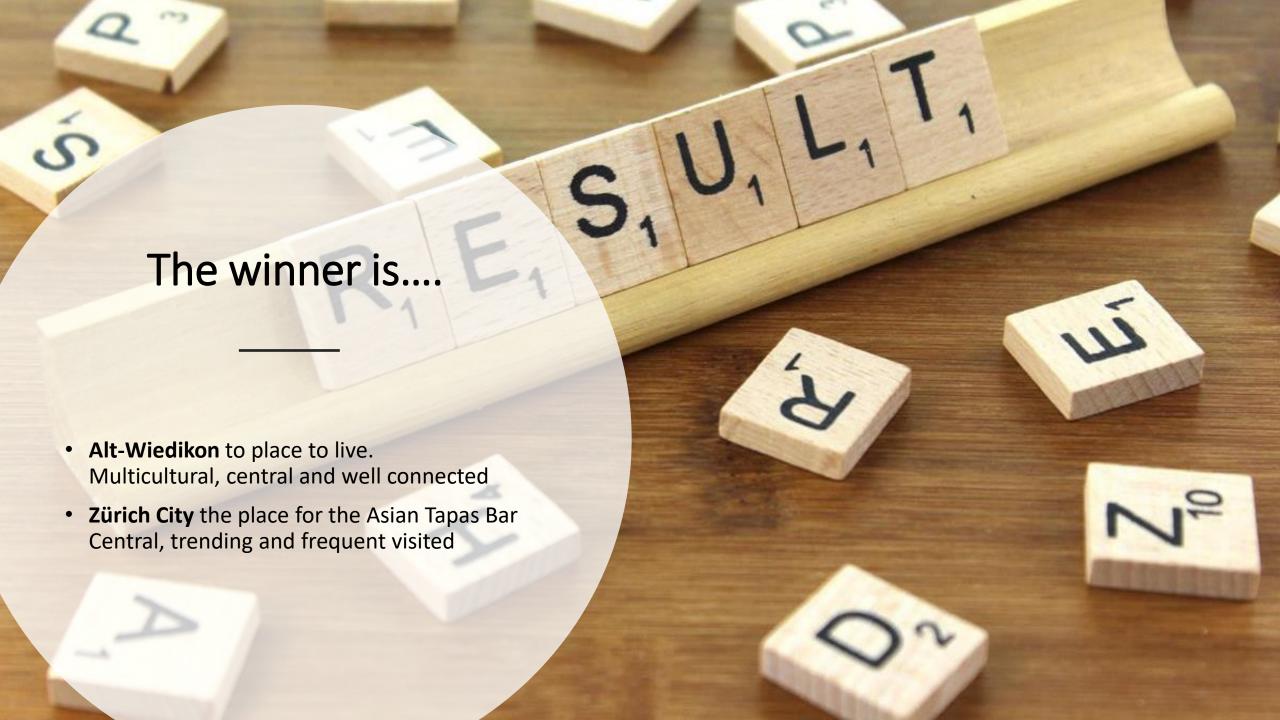
Insight

Selecting the best place for the "Asian Tapas Bar"

Zürich City – is a very good place to open the "Asian Tapas Bar":

- There are no or only few Asian food offerings → differentiating
- It is an active area with Bars and some restaurants → walk-in customers





Learning and Conclusion from the Capstone Assignment

Data availability

- During the evaluation of the project content it became obvious how many cities and countries open themselves and offer open data platforms. Moreover multiple city across countries are using common data platforms. This was rather surprising than expected. To a certain extend the information fetched from Foursquare is redundant to what the cities are offering themselves.
- To address some data access issues I contacted the listed points and was again surprised, that I received immediate support by the staff from the government. **Big thanks!**
- Given this I conclude that there can be much more done in this area and the tool set from the training is extremely helpful and actually quite sufficient to start this data science journey.

Conclusion on Results

- The results are arbitrary at first and judgment if they are valid by any means is difficult if you have no relation to the topic or the city.
- I am not living in Zürich, but I have a friend living there and so I used the opportunity to present this outcome:
- **Place of Living:** Rational and reasoning why I selected the living was confirmed. To the surprise of all it actually was the area the friend is living in. Also confirmed were the more detailed information, which has not been presented in this report, e.g. changes in the population.
- Place for the "Asian Tappas Bar": Zürich City fits it is actually a "no brainer"

However...:

- A significant question is about cost and availability of facilities in this area → Availability of data about costs of business facility is an issue and would require far more investigation issue spotted.
- Another comment was related to the detailed analysis and the identified top tier areas. Here it seems that the analysis misses an aspect: Some of the areas are very close to the university and other schools of Zürich. These areas one offer well priced food places and are frequented during daytime, but in the evening these areas are not very active I didn't spot this.