

# EDUCATION INFRASTRUCTURE LOCATIONS IN ZURICH

Coursera Project Presentation

# INTRODUCTION

- Switzerland
  - Small country, but densely populated
  - Zurich is an important powerhouse
  - Population density and growth is increasing
- → The need for more social infrastructure
  - Potential locations for schools and similar things?

# DATA

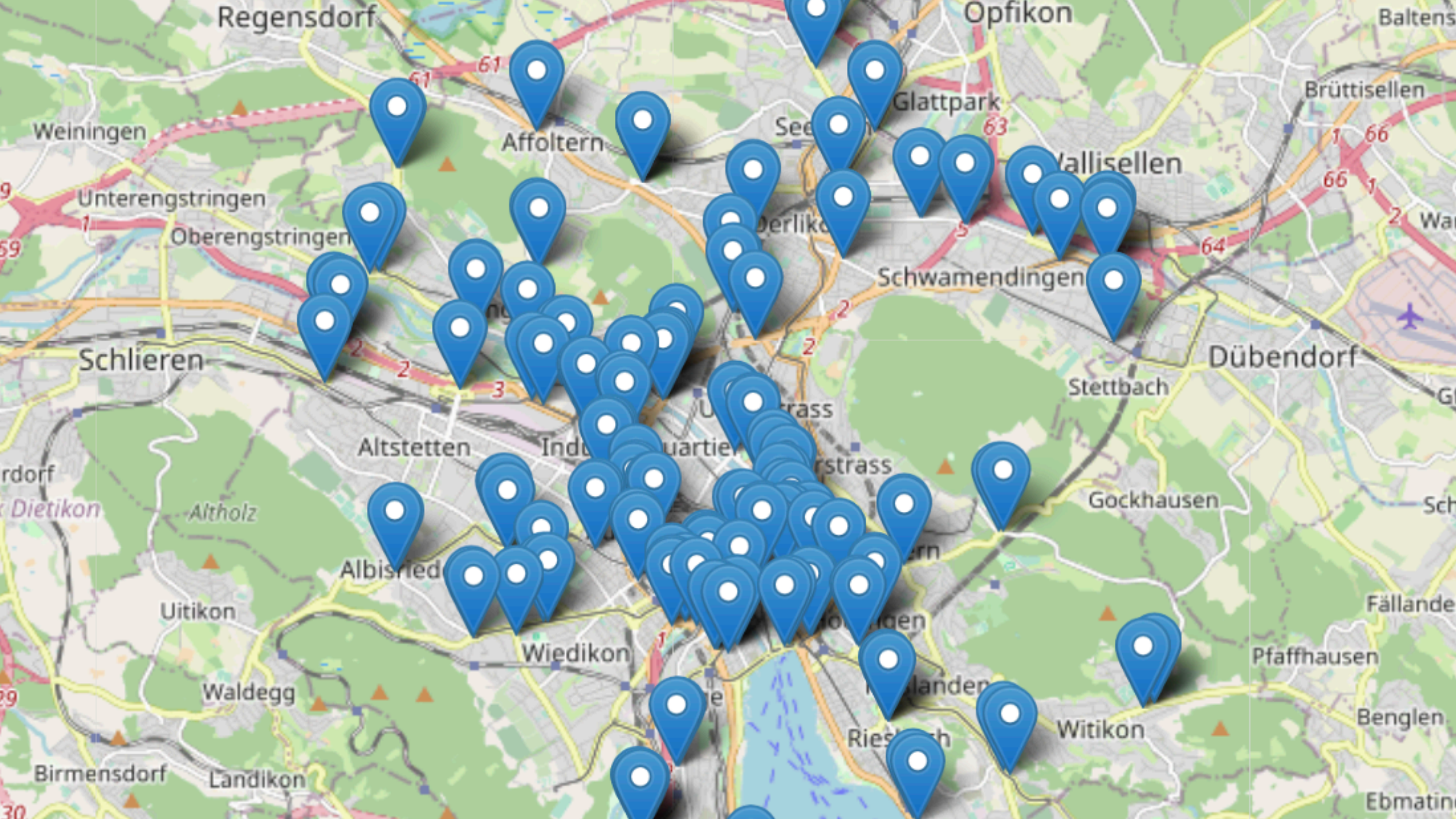
- The Data we use is provided under [https://data.stadt-zuerich.ch/dataset/sid\\_dav\\_verkehrszaehlung\\_miv\\_od2031/resource/fa64fa70-6328-4d47-bcf0-1eff694d7c22](https://data.stadt-zuerich.ch/dataset/sid_dav_verkehrszaehlung_miv_od2031/resource/fa64fa70-6328-4d47-bcf0-1eff694d7c22) (pre-Corona)
- It is documenting the number of cars and motorized vehicles at given counter locations in Zurich – with measurements of hourly traffic over the period of a year, as well as details about the traffic such as direction, et cetera.

# METHODOLOGY

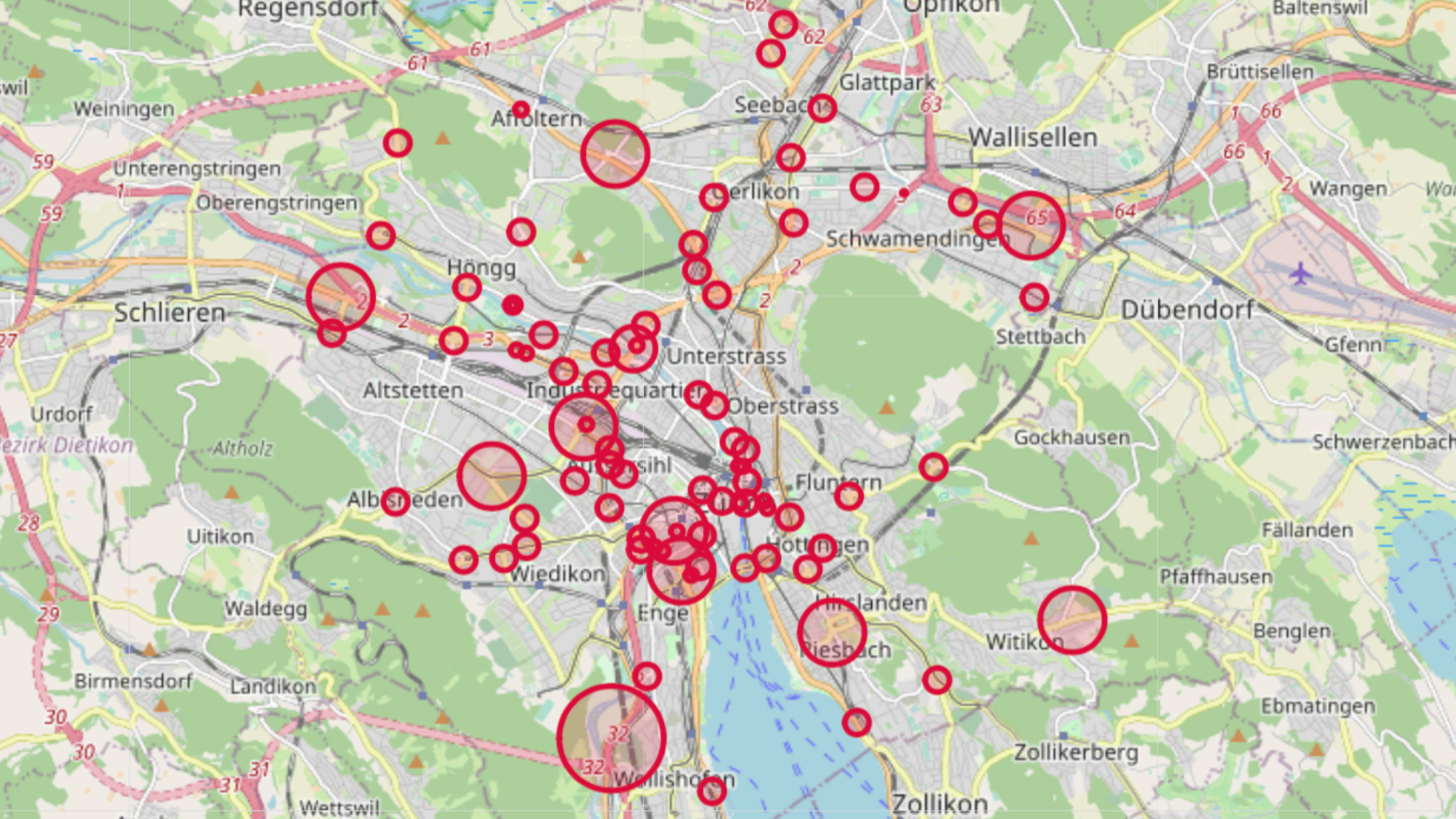
- Clean Dataset
- Translation from German
- Translating from Ancient Coordinate system using various tools and techniques
- Data Visualization
- Clustering
- Splitting and Grouping
- Folium and Geographical Analysis

# RESULTS

- Visualization and statistical analysis of measurement density and locations
- Different regions of Zurich with different aspects perform in very distinct ways
- Multitude of factors lead to final decisions and evaluations







## CONCLUSION

- Oerlikon and Altstetten perform the best, as they are low in traffic density, still relatively central and easy to reach for all regions of Zurich
- Other central regions of Zurich perform very badly, such as Wollishofen, where traffic is dense and dangerous
- No seasonal difference was analysed