Neighborhood analysis

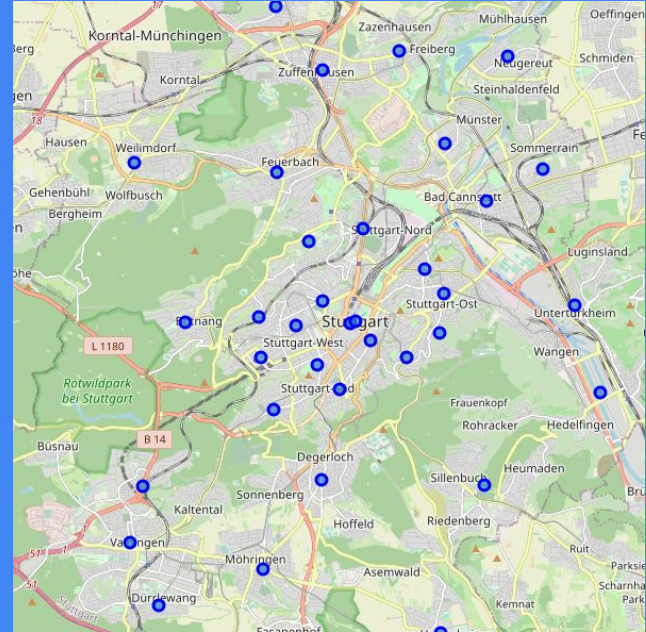of the City in Stuttgart, Germany

Introduction

- Are there shopping possibilities in the neighborhood?

- Are there restaurants in the neighborhood?

- Are there offices in the neighborhood?

Data acquisition

- Wikipedia to find out names and postal codes of Stuttgart districts

- Geopy to convert the address into coordinates

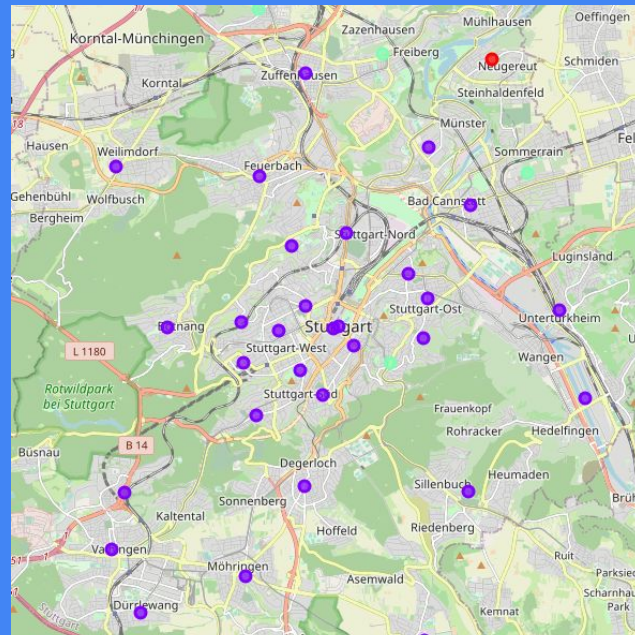- Foursquare API to get venues in given coordinates

Districts of Stuttgart

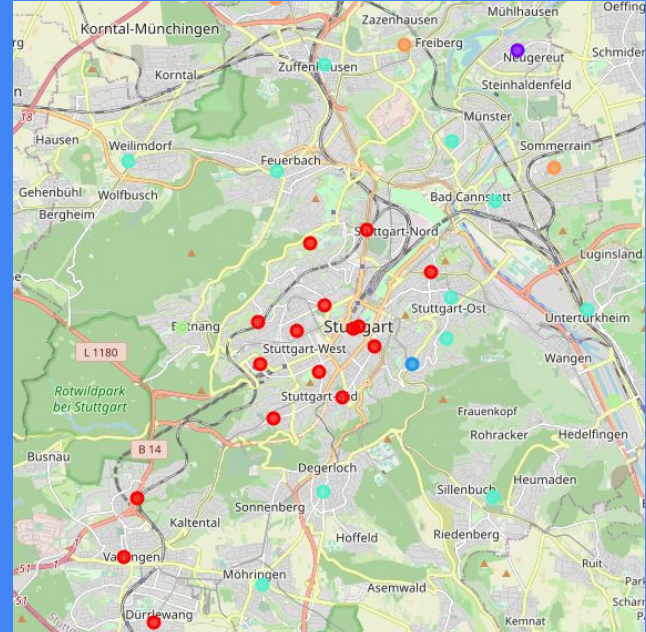Distribution of the districts in Stuttgart, Germany

Split into 3 clusters

Districts in Stuttgart, Germany split into 3 clusters

Split into 6 clusters

Districts in Stuttgart, Germany split into 6 clusters

Conclusion and future directions

- Built useful cluster model to split the districts in 6 clusters

- Made recommendation based on the results

- Concentrate on the center of Stuttgart