

# Similarities of the neighborhood structure of Capital Cities

# The Problem

- Increasing Population due to rural exodus
- More complicated problems regarding public infrastructure
- Question:  
Are there similarities to solve problems by standards going beyond one city?

# The Data

- Neighborhoods of New York City
- Over 10000 Venues in New York by the Foursquare API
- Neighborhoods of Toronto
- Over 2000 Venues in Toronto by the Foursquare API

# Methodology

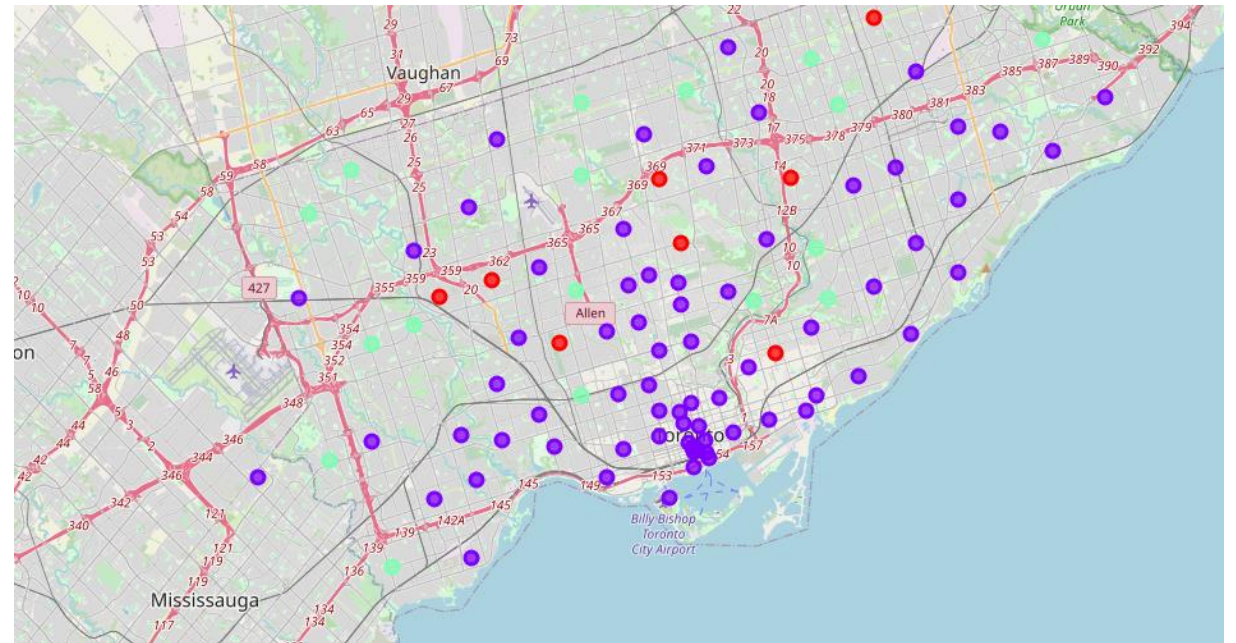
- Some statistical comparison of proportion of venue categories
- Calculating the mean of a category in a neighborhood
- Clustering the neighborhoods with K-Means into 3 Clusters

# Results

- Some similarities in top venue categories between both cities
- Nine of Top 15 Categories are equal
- There is some common structure
- But also some differences – see Following slides

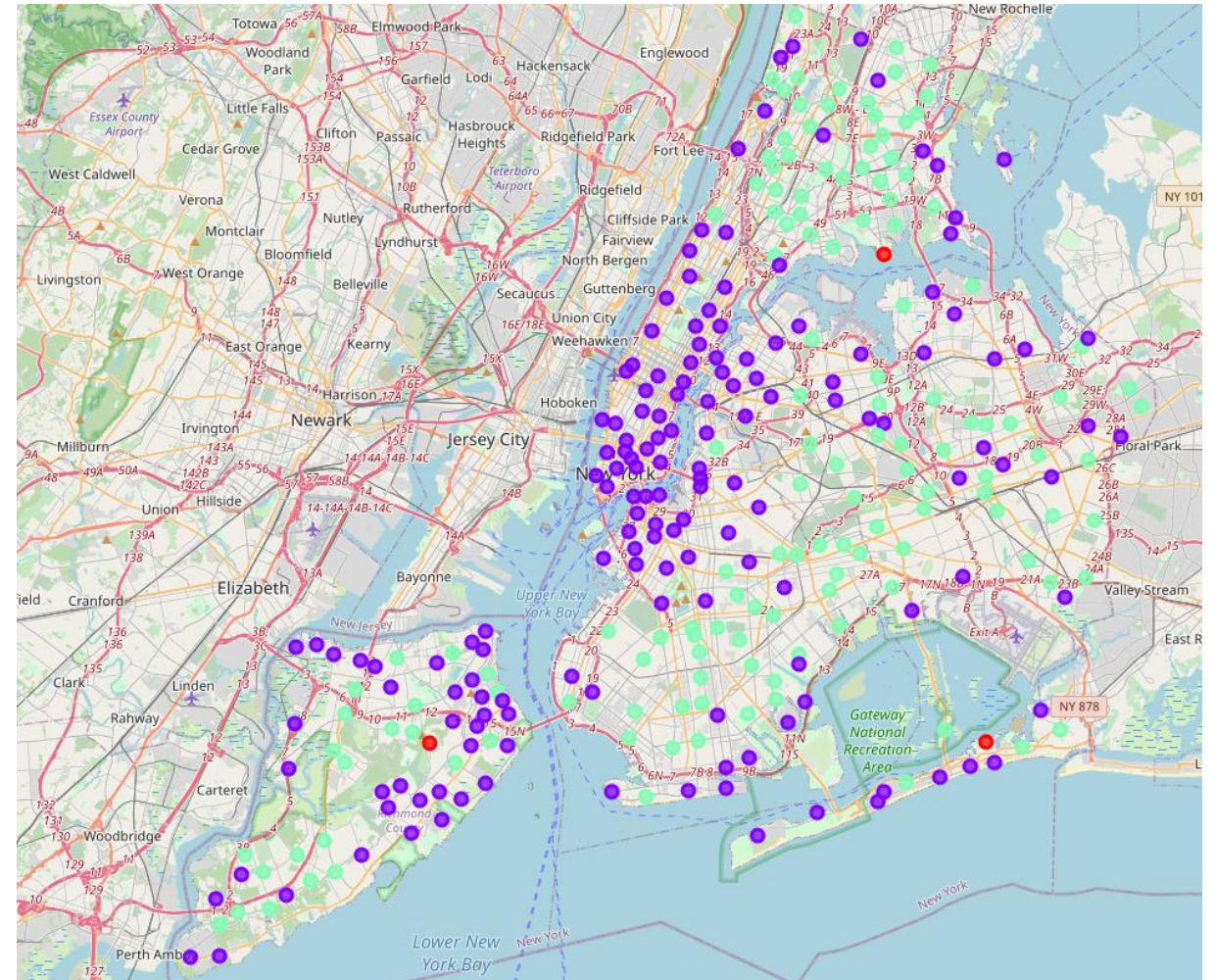
# Results - Toronto

- Most categories are Purple just
- A few blue
- Some red



# Results – New York City

- Most categories are Purple just too
- More blue on than in Toronto
- Also only few red ones



# Prospects

- Repeat analysis with more cities
- Combine Categories into bigger on may achieve better results
- Maybe respect population density etc. as well