



# ITALIAN RESTAURANT IN CALGARY

Capstone Project

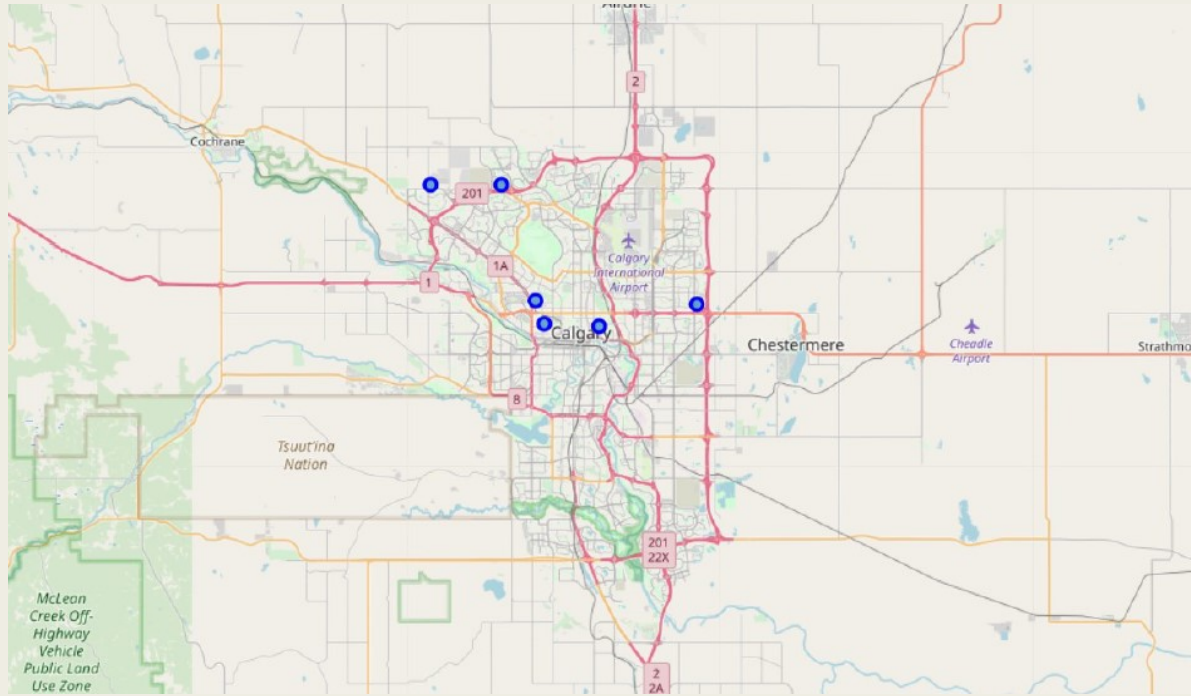


# Objectives

- Suggesting restaurant location for CEO of Italian Restaurants in Calgary Region
- Find out convenient region
- Provide with Recommendations

# Data

- Neighborhoods in Calgary
  - *Postal Code*
  - *Neighborhood*
- Also data on postal obtained from Wikipedia
- Latitude and Longitude from Nominatim form Geopy



# CALGARY REGION

# Clusters

## RESULTS

As a result of applying k-means algorithm and after analyzing its venues, below clusters were obtained.

**Cluster 1:** 1 Neighborhood

**Cluster 2** 5 Neighborhoods

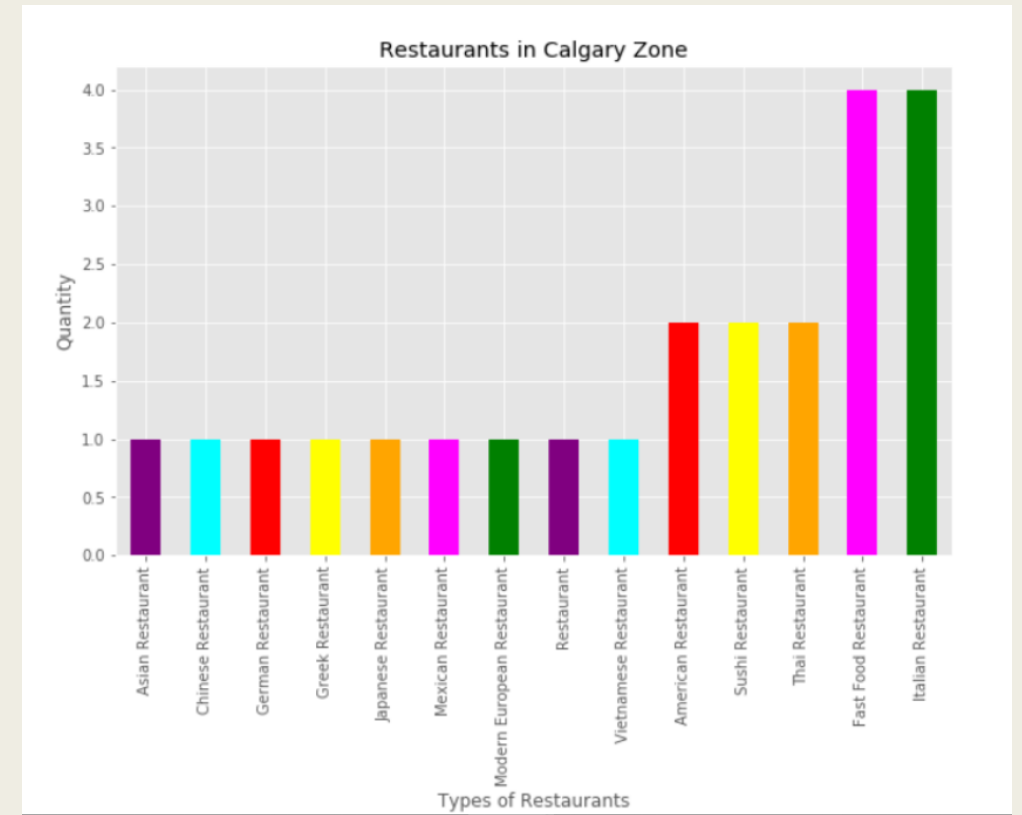
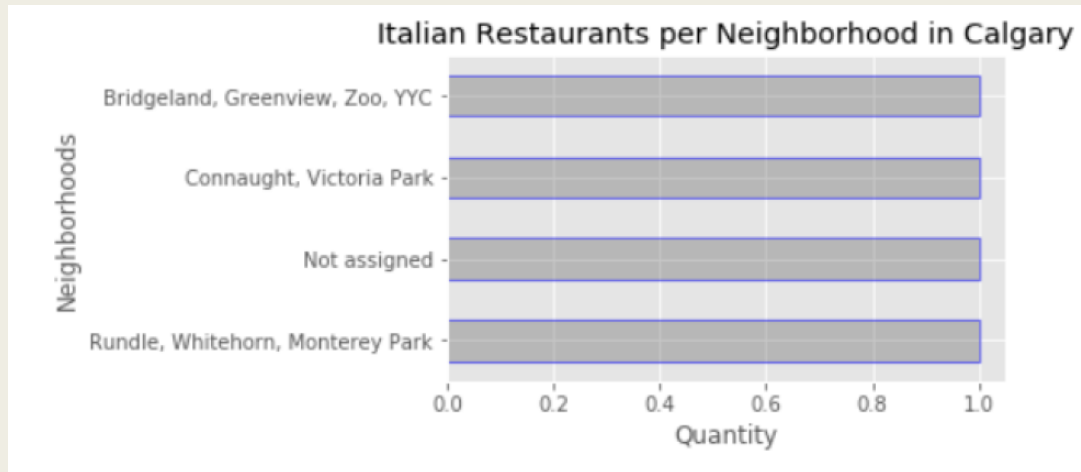
**Cluster 3** 4 Neighborhoods

**Cluster 4** 10 Neighborhoods

**Cluster 5** 4 Neighborhoods

**Cluster 6** 3 Neighborhoods

# Restaurants in Calgary



# Recommendations & Conclusions

- Based on limited data and its characteristics there are only 4 Italian Restaurants in the Calgary, which makes easier for investor to enter this market, on the other hand they are spread out between different clusters. In accordance with data we recommend considering neighborhood from Cluster 6 or 4.
- Applied machine learning (k-means) to a case of the real world.
- The methodology and results can be improved by the use of more accurate and complete data.