# THE BATTLE OF THE NEIBOURHOODS – FINAL ASSIGNEMENT

## SCARBOROUGH NEIGHBOURHOODS

# INTRODUCTION

This project aims to make it easier for people to make decisions when in comes to comparing and selecting neibourhoods to live in :

**Location : Scarborough**

# INTRODUCTION



- About 300,000 immigrants come to Canada each year, and about 150,000 immigrants become citizens each year

- The goal is to make it easier for these people to find a suitable neibourhood according to their preferences and expectaions
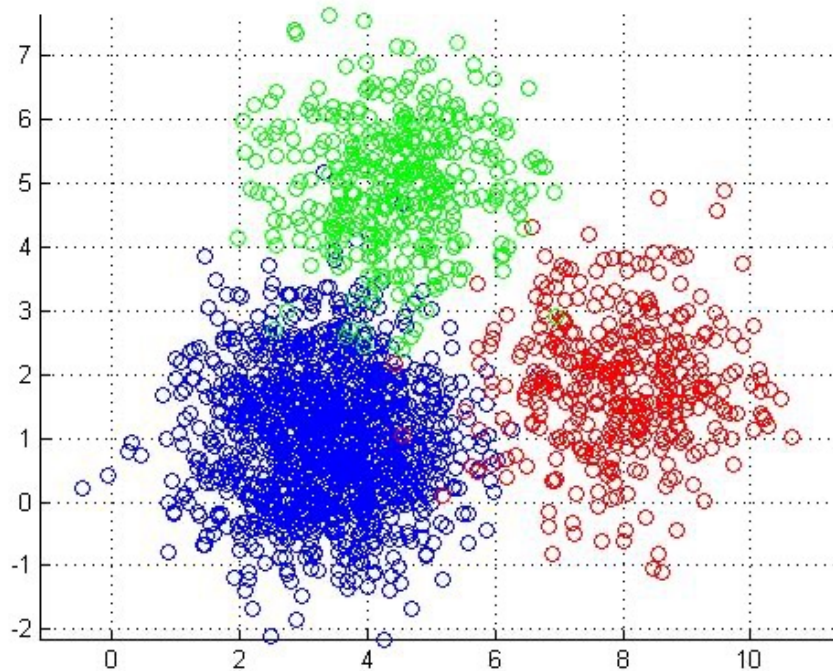
# PROBLEM TO SOLVE

**Problem :**

The purpose of this project is being able to offer a comparative analysis between neibourhoods to suggest the more suitable according to one's preferences.

# DATA ACQUISITION AND CLEANING

- We got our data from : "https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M"

- We made use of the foursquare API to get locational information about the venues
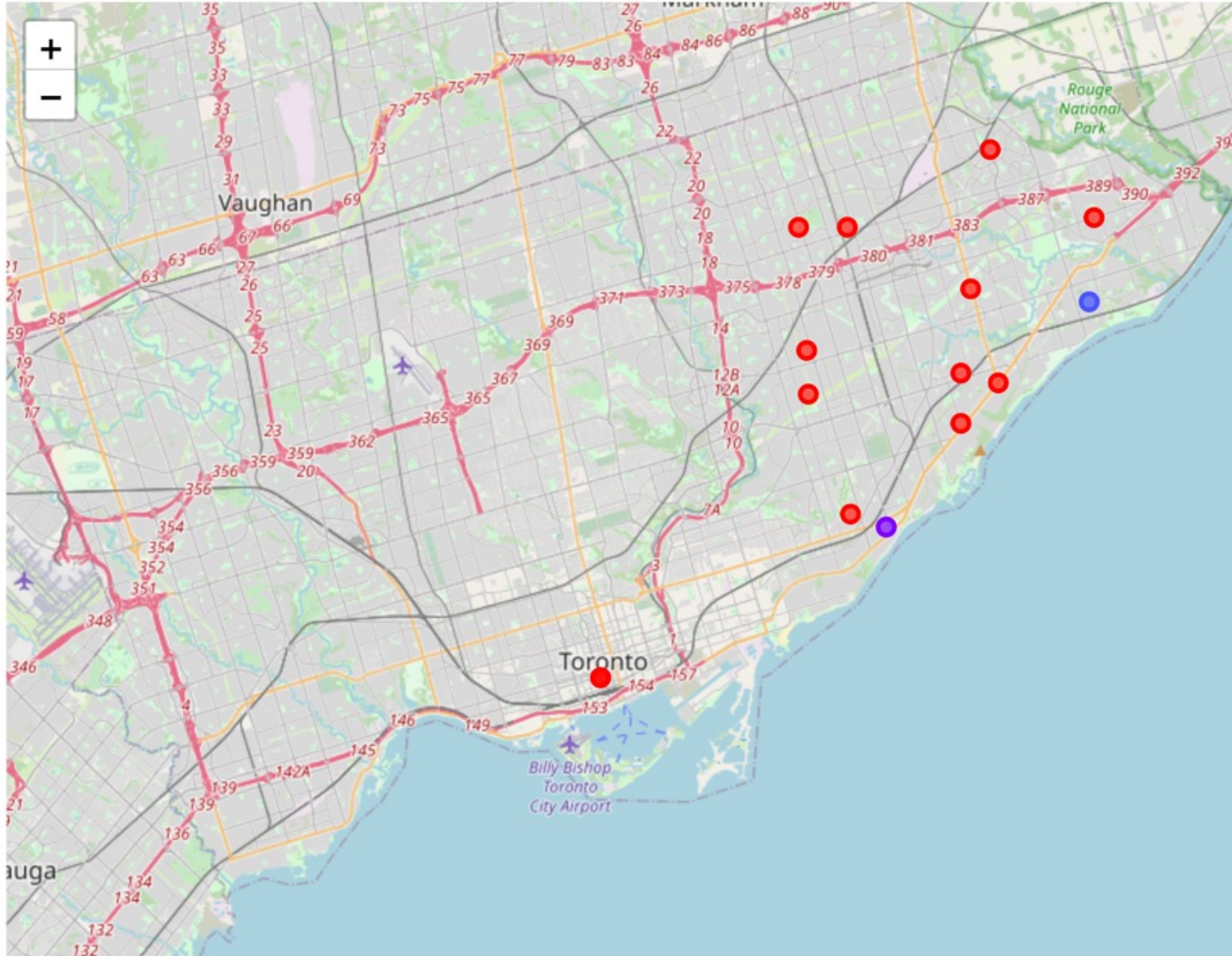
# METHODOLOGY



- Explore neibourhoods segment the and group them into clusters to find similarities between the neibourhoods. In order to do that we used k-means clustering.
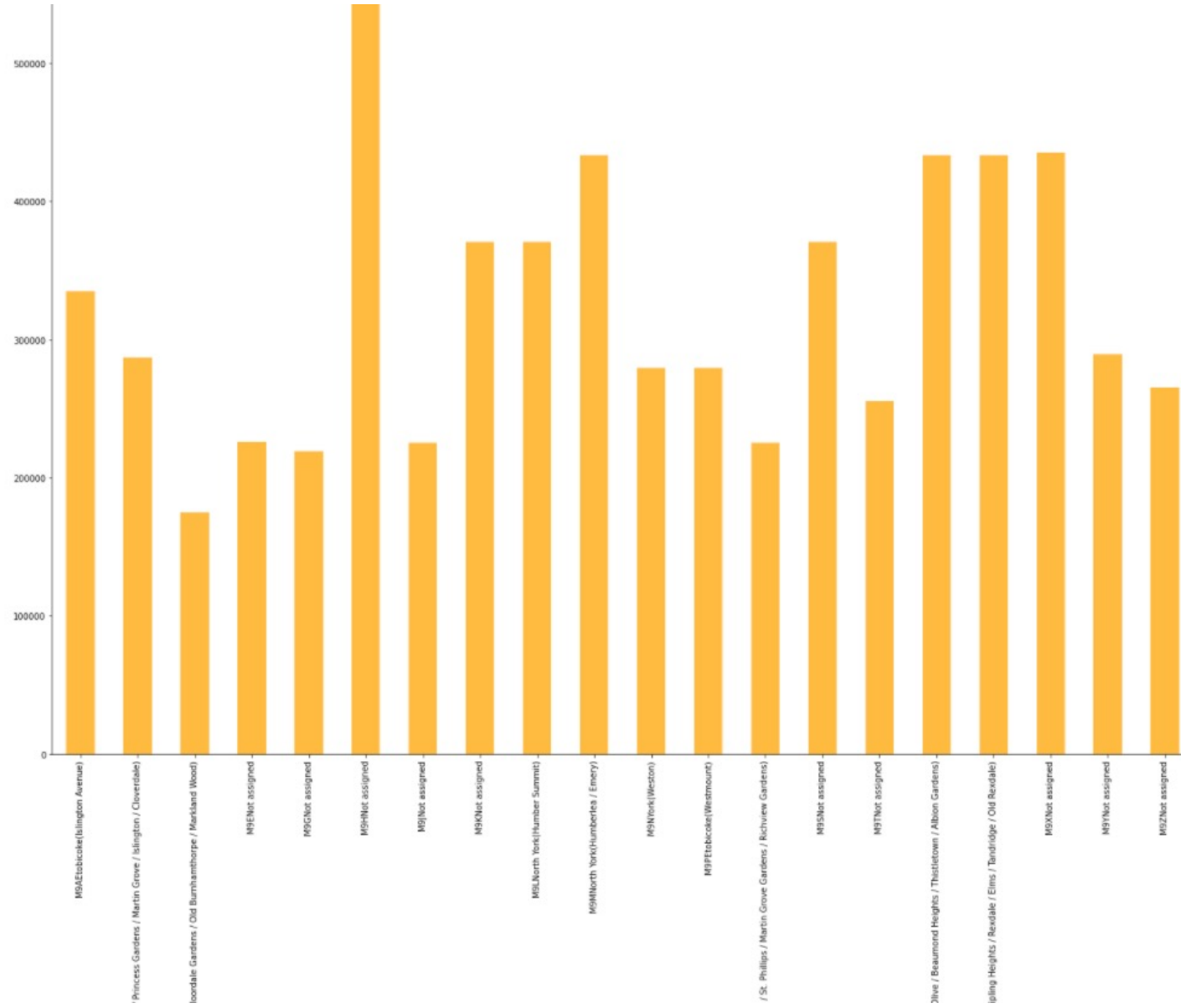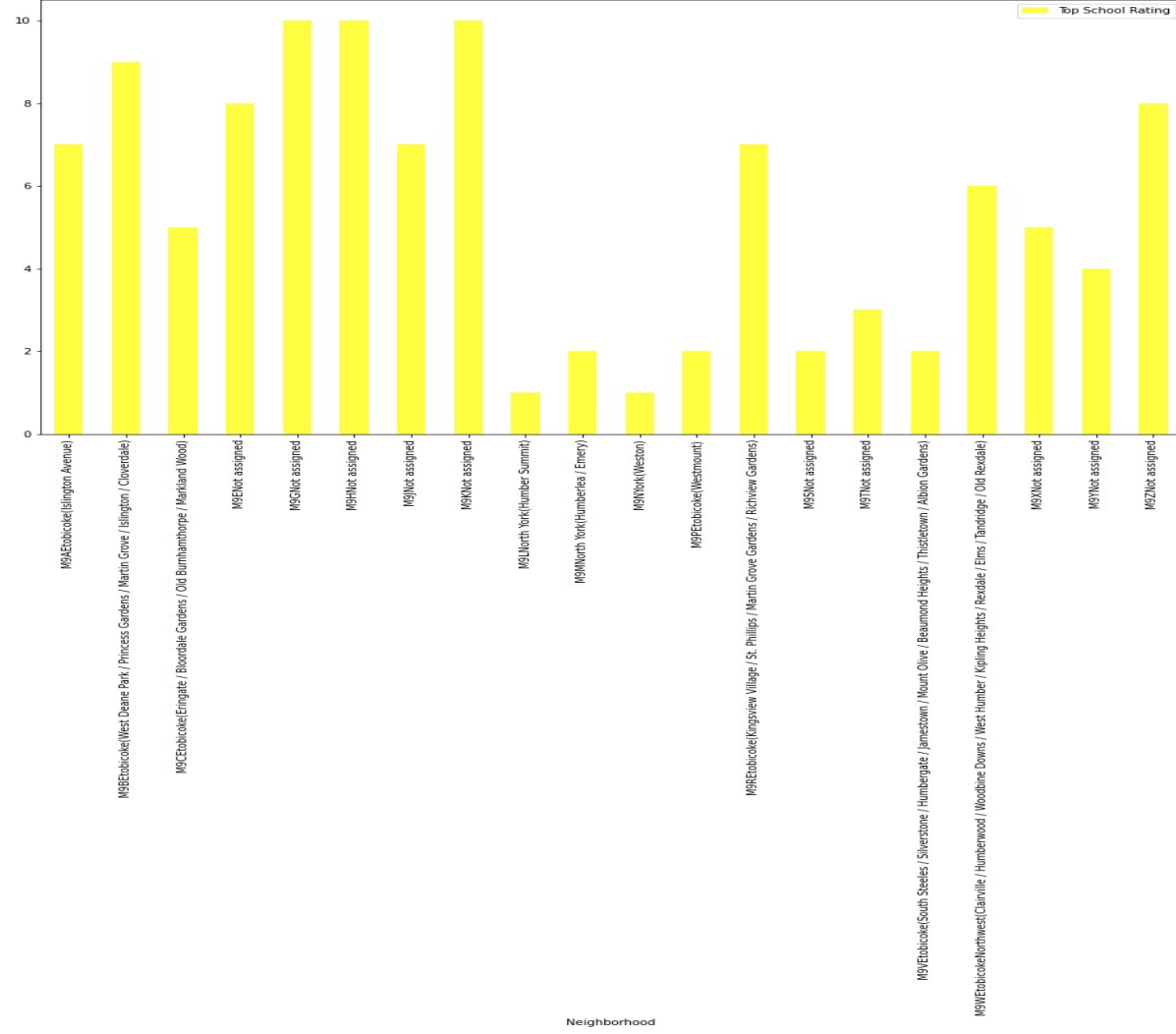
# RESLUTS

# CLUSTERING MAP

AVERAGE HOUSING PRICE BY CLUSTERS :

SCHOOL RATING BY CLUSTERS :

# CONCLUSION

- Built a model to see how attractive Scarborough neighbourhoods can be.

- Could be improved by using more features.