The Battle of Neighbourhoods
Toronto vs New York

(1) Introduction

- Here we hope to use a data-mining approach to compare two city, and see which of them can face more customers.

- Here we will compare the tourist spots between Toronto and New York.

- We aim to compare them because they are both multicultural, and we will focus on extracting the location data about restaurant, accommodation and others.
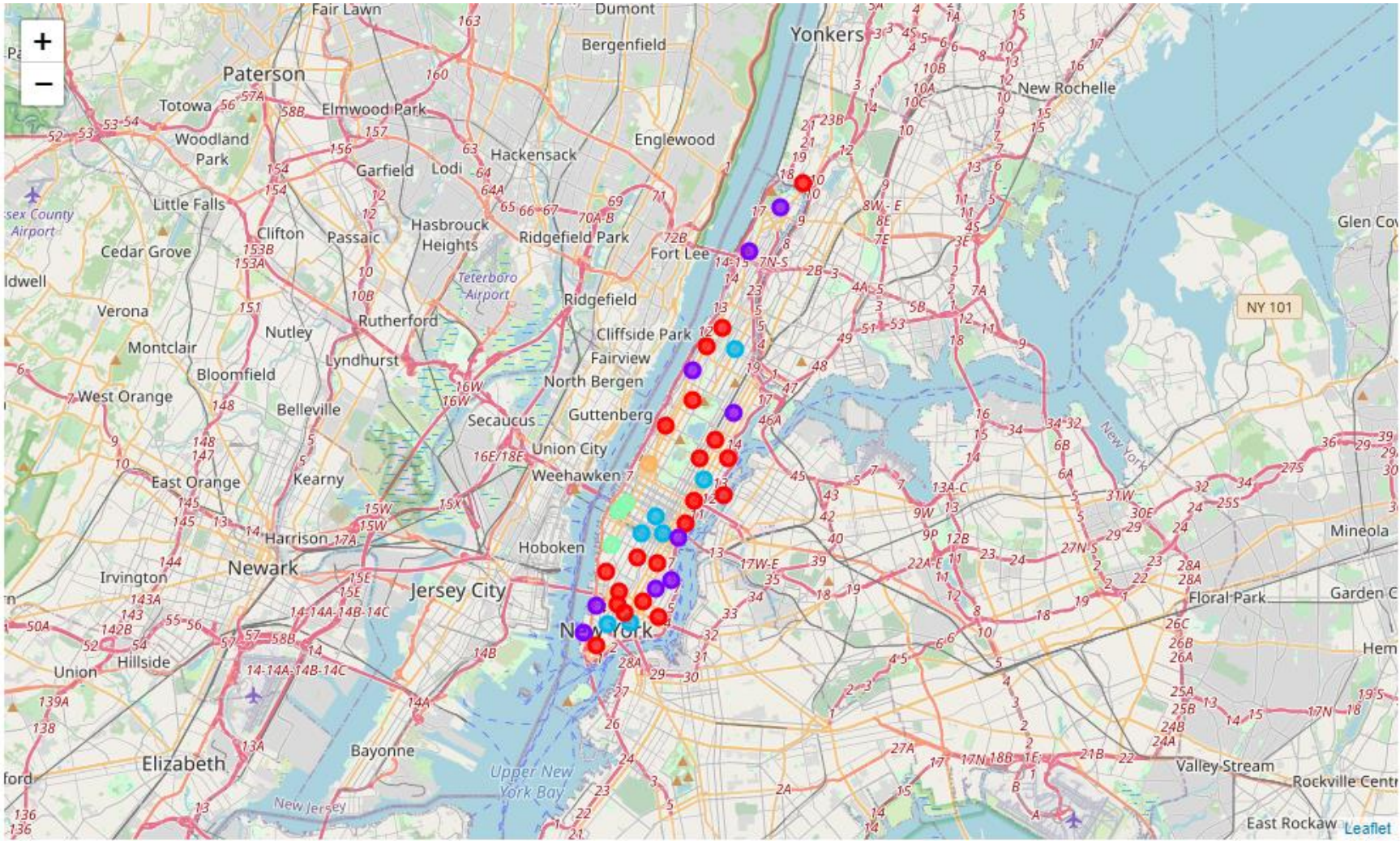
(1) The Data and Method

- Foursquare API to explore the data of two cities.

- Machine learning method 'clustering' to segment the neighbourhoods data.

- Using 'folium' package to visualise the map.

- To correlate with data from Foursquare to acquire more contents per location, like type of venue and etc.

Result: the cluster of venues in Toronto

Result: the cluster of venues in Manhattan

Conclusion:

- Both the downtown Toronto and Manhattan have many similar venues, thus both can attract tourists.

- If to visit historical places is important for the tourist, Downtown Toronto will have more venue to visit.