

IBM

Coursera Capstone Project

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Business Problem

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Finding any similarity or dissimilarity between the cities of Toronto and New York City.

Data



Collecting the Data for New York City and Toronto,
Processing it,
And Preparing.

Data for Toronto

Collecting Data from
Wikipedia.

Removing the Nan
values and processing
the data.

Merging and finalizing
the dataframe.

Step 1

Step 2

Step 3

Step 4

Step 5

Converting it to a
pandas Dataframe using
Beautiful Soup

Using the Client Id and
Client secret to get the
information from the
FourSquare Website

Data for New York City

Collecting Data from
URL.

Cleaning the
DataFrame and
finalizing.

Merging and finalizing
the dataframe.

Step 1

Step 2

Step 3

Step 4

Step 5

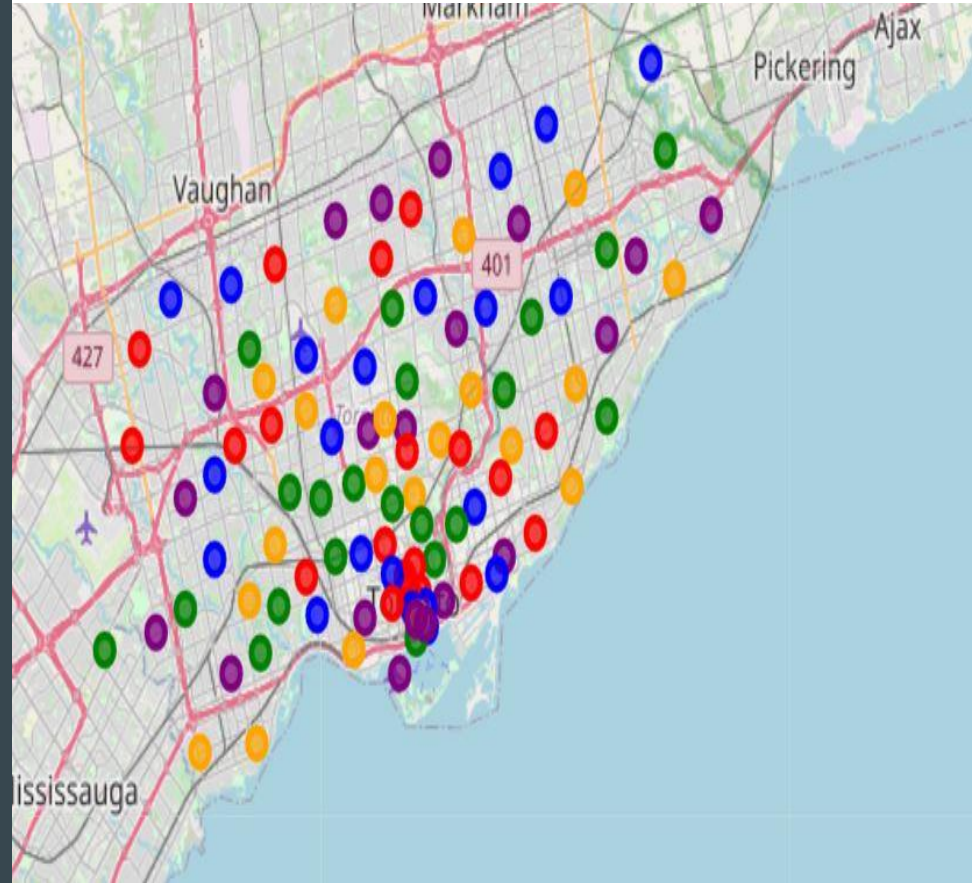
Converting it to a
pandas Dataframe using
JSON;

Using the Client Id and
Client secret to get the
information from the
FourSquare Website

Analysis

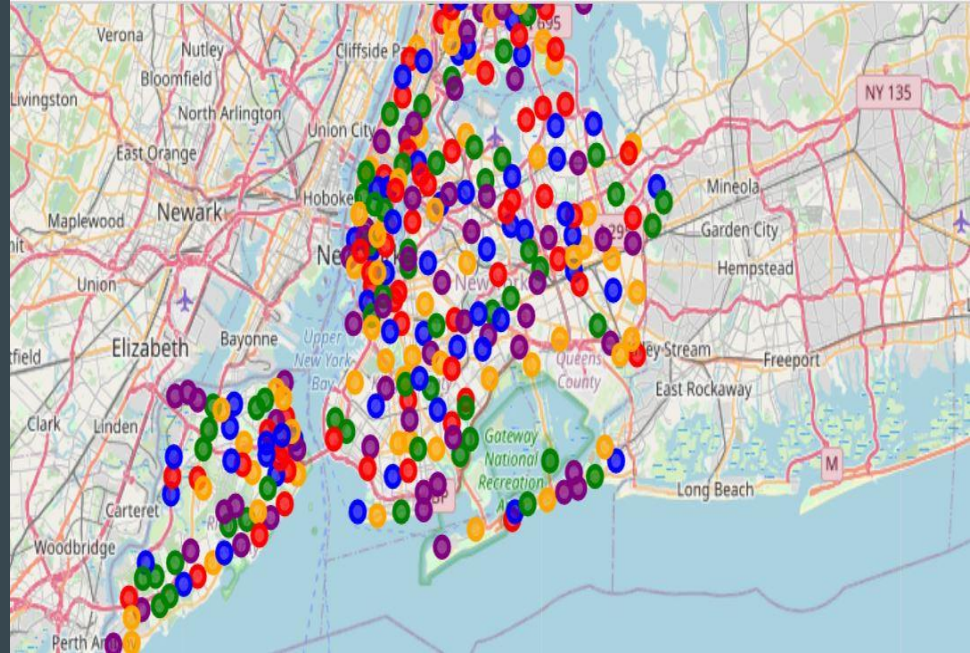
Toronto

5 Clusters, are spread thorough out the city with various colors showing the sparsity in Toronto city.



New York City

5 Clusters are showing the dense population of neighborhoods in the New York City



Analysis

- New York City is has a high competition in any kind of business and also high variety of people.
- Toronto has low competition and sparse population and hence can be suitable for a steady and slow business.
- **Both the cities are unique of themselves with no similarity whatsoever.**