IBM Capstone Project – The Battle of Neighborhoods

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Introduction

I am a Chinese student studying in Vancouver, Canada. I like the scenery and the humanities here. I enjoy my life here. However, I am not really used to eating local food. I want to do a project. Go to find some **Chinese restaurants** and go to meet up with my Chinese friends.

Methodology

① Find out relevant data

② Data cleaning and preparation

③ Analysis

④ Result

Dataset

1.A csv file named "information_week4.csv" that contains the postal code, borough, neighborbood, Latitude, and Longitude.

2.Foursquare API location data to get information about restaurants and their ratings.

Data preparation and cleaning

① Load the csv into python dataframe

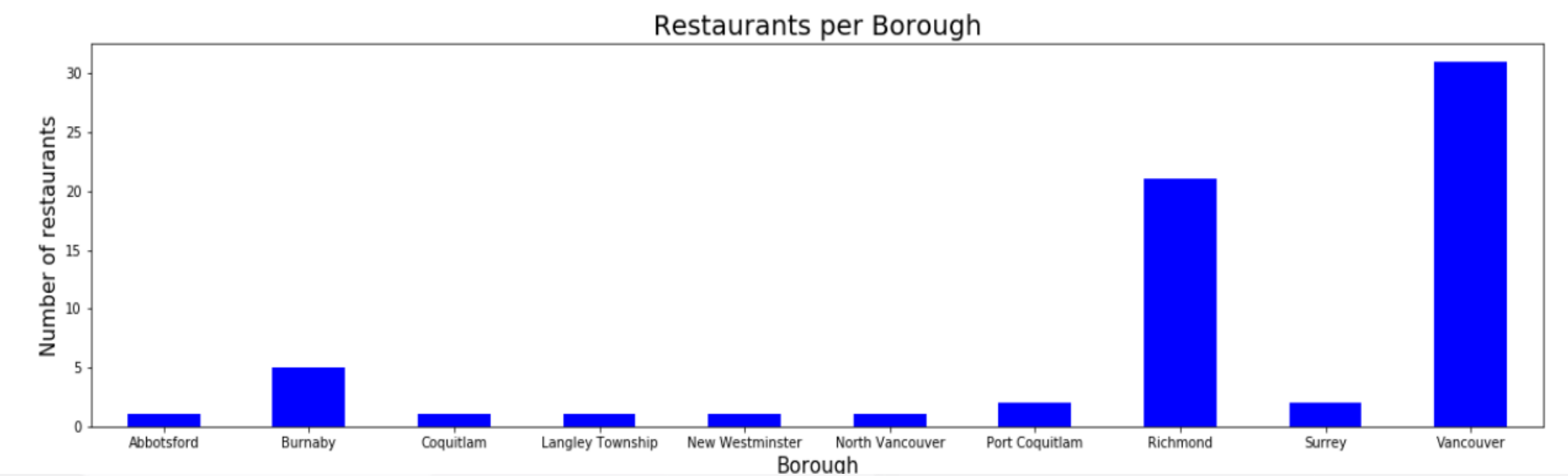
② Use Foursquare API to get all the data, append into rows then create a dataframe

③ Remove unnecessary columns or rows

④ Merge the two dataset together

Analysis

Use the visualization library ‘matplotlib’ to present data information



Result

Vancouver has the highest number of restaurants in Greater Vancouver Area, then **Richmond** and **Burnaby**. From the bar graph, we can also see most of the Chinese restaurants are located in one of these three boroughs. In conclusion, when I meet my friends and want to **find a Chinese restaurant**, we should stay in either Burnaby, Richmond, or Vancouver.

THANK YOU！