

Introduction:

Vancouver is one of the most beautiful and ethnically diverse cities in Canada. The population of this city is constantly increasing. From a business perspective, there are lots of business opportunities and interest in Vancouver. Locations and competitions are important factors concerning the entrepreneurs and investors before investing into a business. This project will implement basis data analysis on the neighborhood location, population and common business venues to investigate the potential of starting a business in Vancouver and be interest of investors.

Data Collection:

To perform the data analysis for this problem, data is collected from the following data sources and used to determine the potential of opening a business in an area.

- 1- List of venues extracted from FourSquare API database. By Using the geo coordinates of the neighborhood, common venues nearby the neighborhood area extracted from API Servers.
 - a. <http://foursquare.com/>
- 2- List of neighborhoods in Vancouver
 - a. https://en.wikipedia.org/wiki/List_of_neighbourhoods_in_Vancouver
- 3- Geo-Coordinates of the Neighborhoods in Vancouver using Geocoder in Python
- 4- Population of Vancouver in 2016 is uploaded onto Python using panda library.
 - a. <https://webtransfer.vancouver.ca/opendata/csv/CensusLocalAreaProfiles2016.csv>
- 5- Vancouver Geojson file from GitHub open source
 - a. https://github.com/codeforamerica/click_that_hood/edit/master/public/data/vancouver.geojson%22