

Part 3: hotel choose

Problem addressing:

If I was going to choose a hotel (or Airbnb), where should it be? What places have good amenities nearby? Will it effect on price of hotel?

On this issue, we think hotels should be built in places with perfect facilities. First of all, these places should meet the basic food needs. The transportation should be convenient. At the same time, there should be a certain number of entertainments places around.

3.1 Find habitable place by using amenity

Data cleaning:

For the above requirements, we selected some amenities.

Food: cafe, restaurant, fast food

transportation: parking, bus station

entertainment: pub, cinema

shopping: atm, bank, marketplace

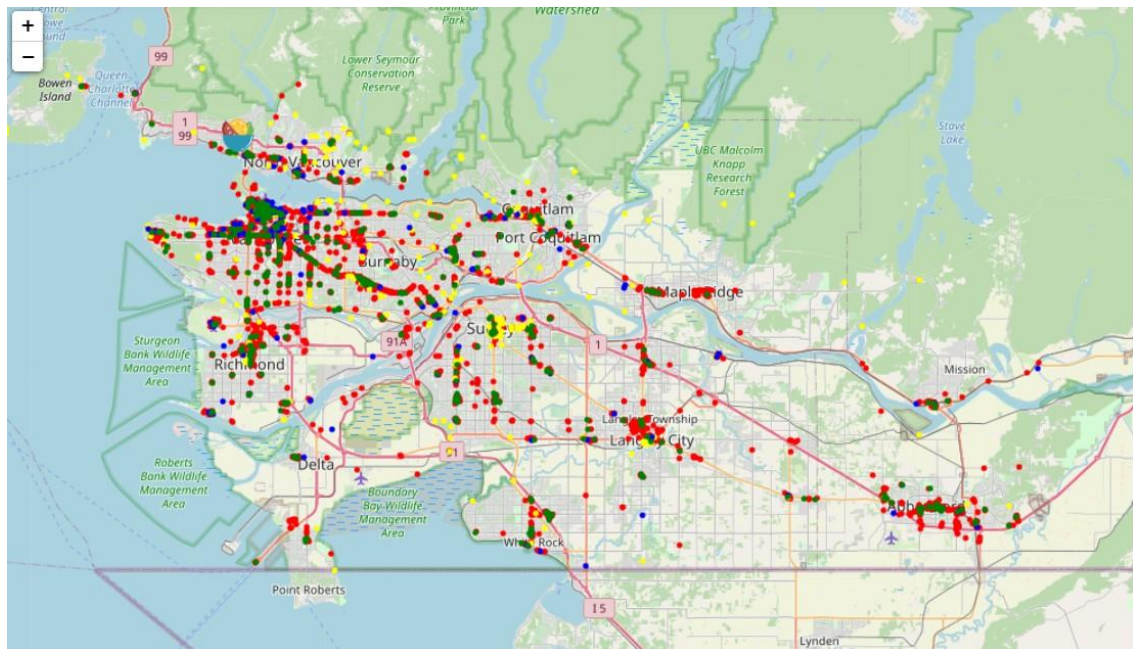
Analysis

We mark these amenities on the map

red: food

yellow: transportation blue: entertainment

green: shopping



Conclusion:

From the visualization of all amenities, it clearly show that most of amenities are located at the center of each city, like Downtown Vancouver, Richmond, Surry and Coquitlam.

3.2 Airbnb dataset

We also using another large dataset on Airbnb to help to analysis. It is from “Inside Airbnb adding to debate”, this data is summary information and metrics for listings in Vancouver and compiled at 06 July 2021.

For this question, we keep name, price, minimum night, review to find best hotel for users.

Data cleaning:

From the public dataset of Airbnb, including reviews and listings

For Listings:

Find the listings with minimum nights < 3

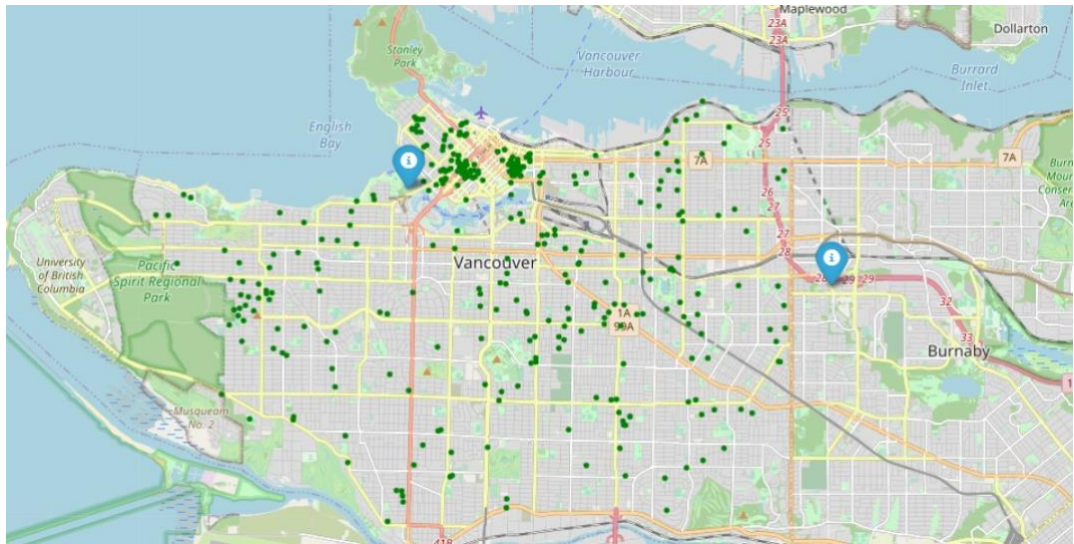
For Reviews:

Find reviews in 2020 year

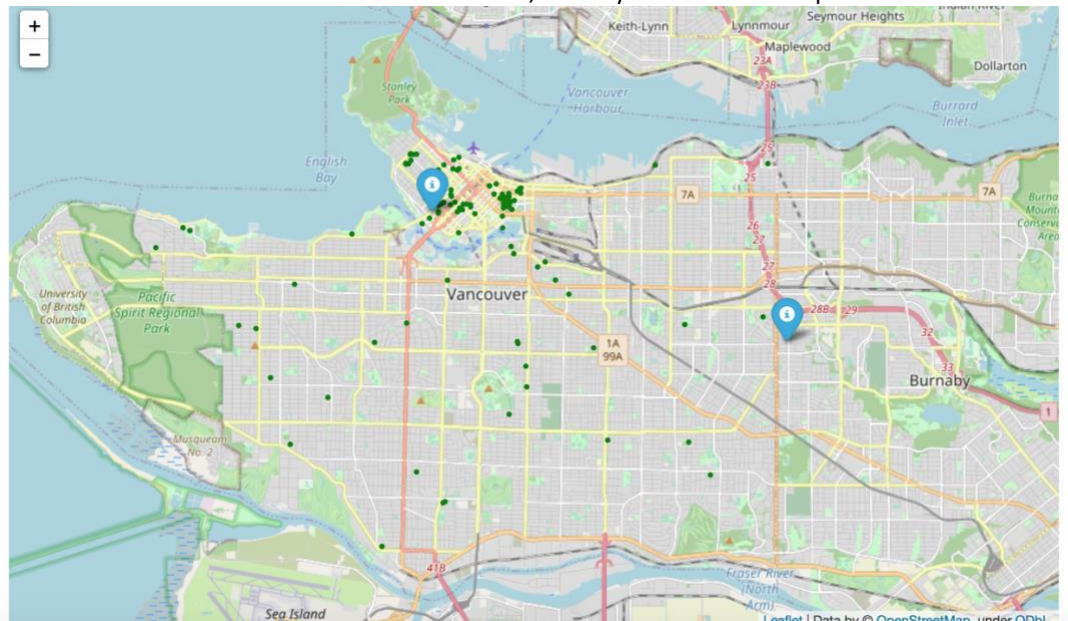
houses with reviews per month > 1

Visualization:

First plot is based on data cleaning.



Then we add one more condition for this dataset, we only see the Airbnb's price > 200



Conclusion:

Finally, data listings on the map. As this Airbnb data was in 'Vancouver'. we could only tell something about this.

From the map, we could find lots of different amenities and lots of Airbnb housing in Downtown and Chinatown Vancouver.

However, by comparing with those two plots, most of Airbnb with price is higher than 200 dollars per night are in Downtown and Chinatown.

For those reason, Downtown and Chinatown maybe are good place for people to choose hotel, because there are lots of amenities on there. it will be great for living. But if people do not want to pay too much on hotel, they can try some place are far away from center of city.

Limitations:

There are lots of companies that provide service for vacation rentals and tourism activities, but we only using Airbnb dataset to analysis.