

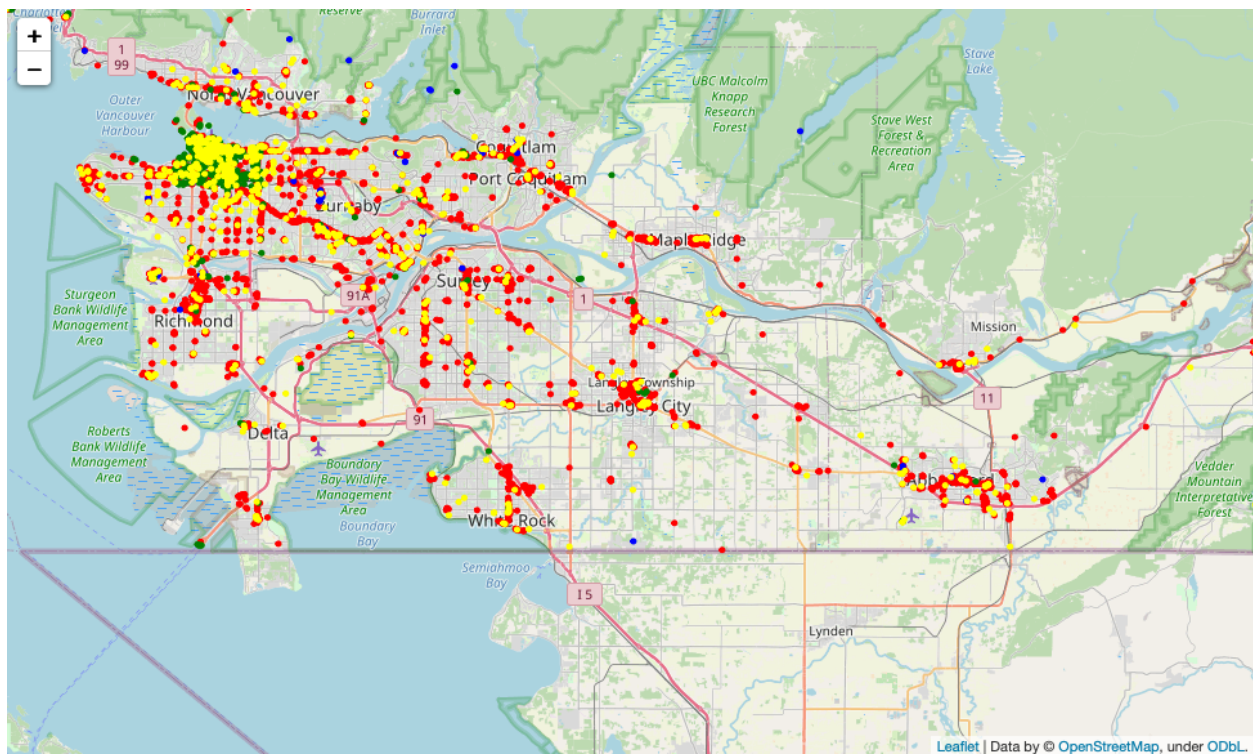
Airbnb Choice

- **Question:**

- If I was going to choose a hotel (or AirBnb), where should it be? What places have good amenities nearby?
- On this issue, we believe that hotels should be built in well-equipped places. First, there should be enough restaurants in these places. The traffic should be convenient. Second, there should be a certain number of entertainment venues around.

- **Find suitable Airbnb by integrating data:**

- Data cleaning: we chose four types of amenities
 - Food: fast food, food court, restaurant, cafe, ice cream, bistro
 - Parking: parking entrance, bicycle parking, motorcycle parking, parking space
 - Recreation: pub, nightclub, bar, community centre, public bookcase, library, cinema, theatre, arts centre, fountain, social centre, conference centre, marketplace, spa, events venue, hookah lounge, casino, dance, observation, dive centre, toy library, leisure
 - Traffic: bus station, bicycle rental, ferry terminal, car rental, boat rental, motorcycle rental
- Analysis:
 - Red: food Blue: parking Green: traffic Yellow: recreation



– Conclusion:

From the visualization of all amenities, It is clear that most of the sorted amenities are located in city center. Such as Downtown Vancouver, Richmond, Surry and Coquitlam.

● Airbnb data

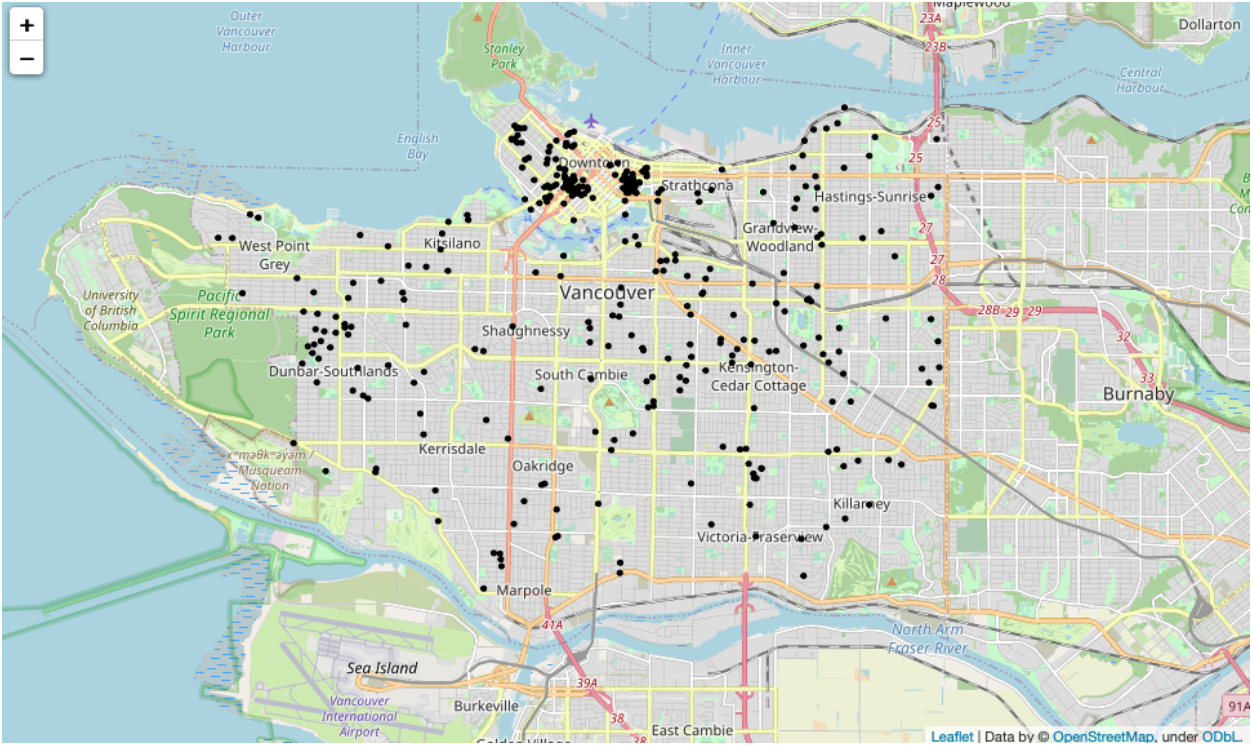
• Information:

Based on another large Airbnb data set "Inside Airbnb adding to debate", this data is aggregate information and indicators of Vancouver listings, compiled on July 6, 2021. For this question, we kept the name, price, minimum stay, reviews to find the best hotel for the user.

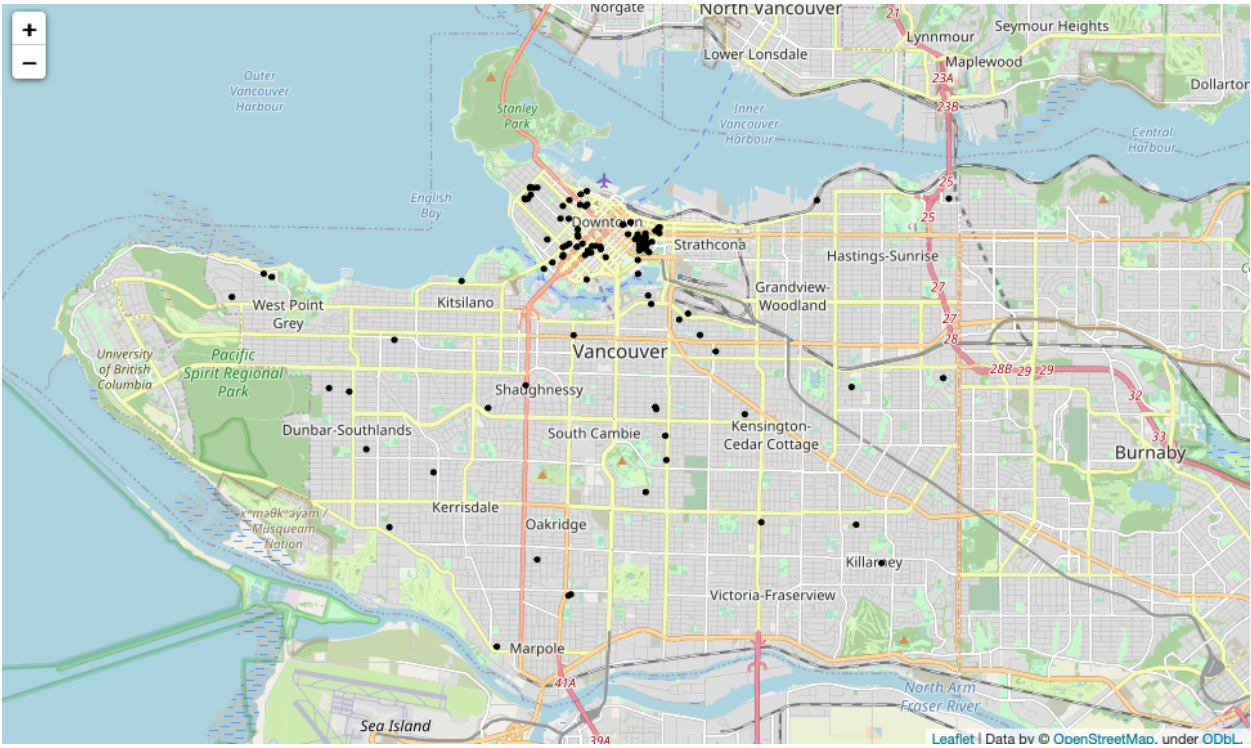
• Data cleaning:

In the airbnb data listings. We only use listings with a minimum length of stay <3 for reviews. Find reviews for 2020, homes with more than 1 review per month.

Data Cleaning



Price > 200



- Price:

If travellers are more concerned about the quality of their stay. We also made additional data cleaning which sorted out Airbnb with price > 200 separately.

Travellers can choose these more expensive Airbnb. The more expensive Airbnb are better in terms of environment and service.

- Conclusion:

Because this Airbnb data is in Vancouver, we found that Airbnb is clustered in Downtown and Chinatown. According to the data and images of the facilities, we found that this is because the facilities in Chinatown and Downtown are more complete. It is a good choice for travellers to stay in these two places.

- P.S.

We cannot exclude the possibility of geographical factors and bias. Obviously, most of the travellers will take Downtown as their first choice. And, there are lots of companies that provide service for vacation rentals and tourism activities. In addition, the security of Chinatown cannot be ignored. But, we only use Airbnb data to analyze this issue.