Project Title: *Predicting the price of Airbnb listing*

Team Members : Tejal, Elliot, Jarren and Arun

What is the main problem that your team is going to address in this project?

For this project, we are considering the airbnb data of one city (e.g. Seattle). The main problem which we are going to address is to predict the airbnb listing price.

Why are you interested in this problem?

The key stakeholders of AirBnb are guests and hosts. The host is the one who decides the price of the listing. Generally, it is decided by just looking at the prices of similar listings which may not be accurate since the price of the listing depends on many factors. The price predicted by the system considering all factors like location, neighborhood score and service charges etc will definitely reduce the possibility of the host putting low or high price. Thus, hosts can put a more accurate price to their listings.

Where or how will you obtain the data?

We will use an existing airbnb dataset which is available on Kaggle. For this project, we are only considering one city.

Dataset is distributed in three files listed below:

- Listings, including full descriptions and average review score
- Reviews, including unique id for each reviewer and detailed comments
- Calendar, including listing id and the price and availability for that day

How do you plan to work as a team?

Over the coming weeks we will develop a plan to solve our problem, beginning with visualizing our data, and identifying data preprocessing tasks. We will discuss how to divide the tasks into subtasks, and divide them amongst ourselves based on our interests. We will determine a time to conduct weekly meetings over Zoom. During these meetings, we will discuss our progress on our work, identifying any challenges or breakthroughs we have encountered, and discuss what we plan to do over the next week. We will create a GitHub repository for our code and documents. We will use Slack to communicate quick messages on a regular basis.