



## Booking on AirBnB through the eyes of a Data Scientist

If you have ever booked on AirBnB, you know what it is like to scroll through endless pages of listings, comparing prices, and reading reviews. After several hours later, you make a decision and book a property after evaluating all the different factors that you are looking for.

Have you ever wondered how would a data scientist choose a property. Now, here is your chance.

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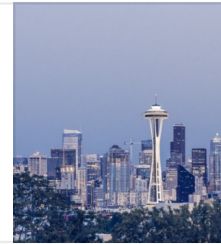
**Step 1: Data.Data.Data.**

Data, data, data...Without data, you won't have data scientist. First step to a data scientist is to collect data. Fortunately, there are plenty of data on AirBnB available online. For this project, we will be looking at data with information on pricing throughout the year for both Seattle and Boston. We will also be looking at data on listing information, with information like property types, price, location, etc. Below are links to the file.

#### Seattle Airbnb Open Data

A sneak peek into the Airbnb activity in Seattle, WA, USA

[www.kaggle.com](https://www.kaggle.com)



#### Boston Airbnb Open Data

A sneak peek into the Airbnb activity in Boston, MA, USA

[www.kaggle.com](https://www.kaggle.com)

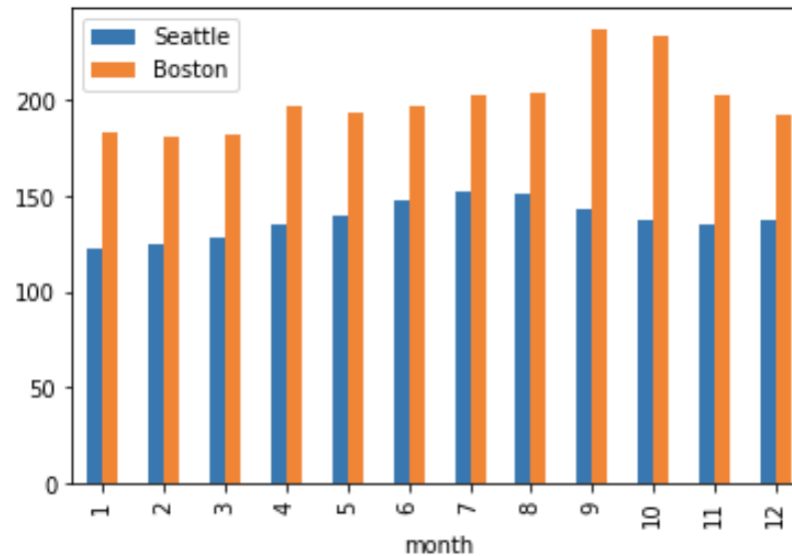


### Step 2: Questions???

After looking at the data, we begin asking questions. What questions do you want to answer with the data you have collected? My questions is where and when is the best place to book a property at. For me, the best is the cheapest.

### Step 3: Let's look at some data!!!

I am undecided between booking in Seattle or Boston. I would like to find which city is cheaper and when is the best time to book?

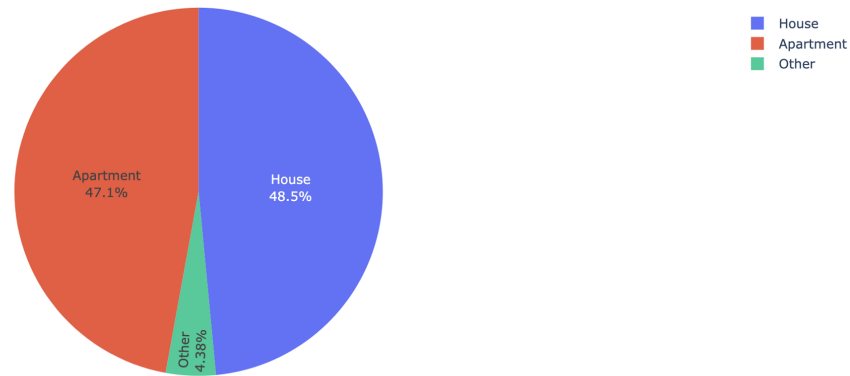


From the data, we could clearly see that Boston is much more expensive than Seattle, averaging over \$100 per listing. Seattle is the clear winner here.

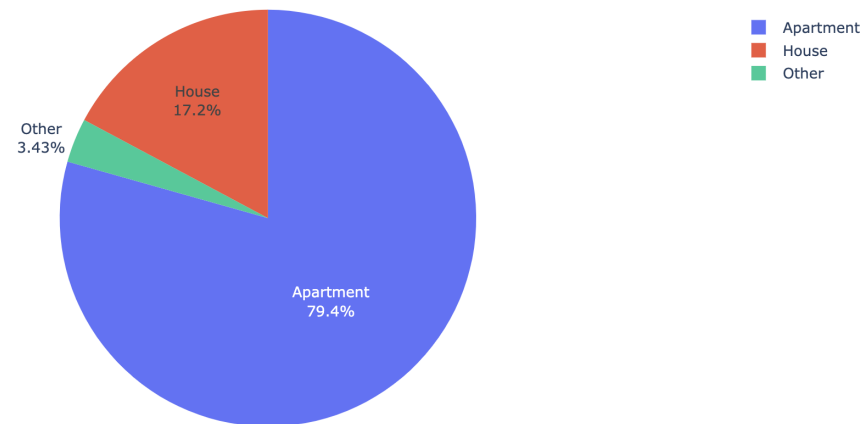
The best deal could be found in January and February time frame.

Personally, I don't like apartments. I prefer to stay in a house or townhouse. Isn't that the whole point of booking on Airbnb. If I want to stay in an apartment, I would just book a hotel. So, which city has the best selection for house listings. Let's look at some more data.

Seattle AirBnB Property Types



Boston AirBnB Property Types



Seattle has a much larger selection of house listings and Boston. When looking to book a house, Seattle is the place to be.

Neighborhood	Average Price
Portage Bay	240
Westminster	195
Alki	195
Montlake	195
West Hill	175
Pike Place Market	175
Windermere	170
Queen Anne	165
Fairview	165
Fauntleroy	160
Central Business District	155
South Park	150
Green Lake	145
North Admiral	145
Pioneer Square	140
Madison Park	140
View Ridge	140
Lower	135
Yakler Terrace	135
Leschi	130
North Beach	130
Blue Ridge	125
Wallingford	125
Fremont	125
Phinney Ridge	120
Genesee	120
Calvin Hill	115
Scoville	115
Ballard	115
Georgetown	110
Atlantic	105
The Junction	105
Cedar Park	105
Harrison	105
Haller Lake	105
Laurelhurst	100
Marston	100
Roosevelt	100
Wedgewood	100
International District	100
Bryant	100
Columbia City	100
Madison Beach	100
Interbay	100
Meadowbrook	95
Greenwood	95
University District	95
North Beacon Hill	95
South Delridge	90
High Point	90
Linton	85
Highland Park	85
Maple Leaf	85
North West	85
Victory Heights	80
Holly Park	80
Interbay Hill	80
Crestview	80
Riverview	80
Georgetown	80
Rainier	80
Dunlop	80

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From a data scientist. Seattle is a much better place to book than Boston. You get cheaper prices, more selection of homes. I also

recommend booking in the January and February in the area of Olympics Hills, Dunlap, or Rainier Beach. So, that is how a Data Scientist would book on Airbnb.