



# Analysis of Airbnb Listings in Boston

IE6600 Computation and Visualization Sec 04  
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Presented by Group 4

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# Introduction

- Airbnb is mostly considered a boon for travellers who are looking for a low cost, short-term accommodation.
- In our project, we have included airbnb listings centered around Boston.
- Our analysis revolves around how we can effectively consider a booking based on different factors in Boston.
- These factors mainly include, the neighbourhood, facilities available close to it, and price distribution on various room types.
- This helped to get desired results on preferences, basically by observing their occupancy rates.

In this analysis, we observed,

- How the vibe varies with neighborhood
- How price of each listing vary by their room type and neighbourhood
- Which neighbourhood in Boston have the great number and least number of listings?

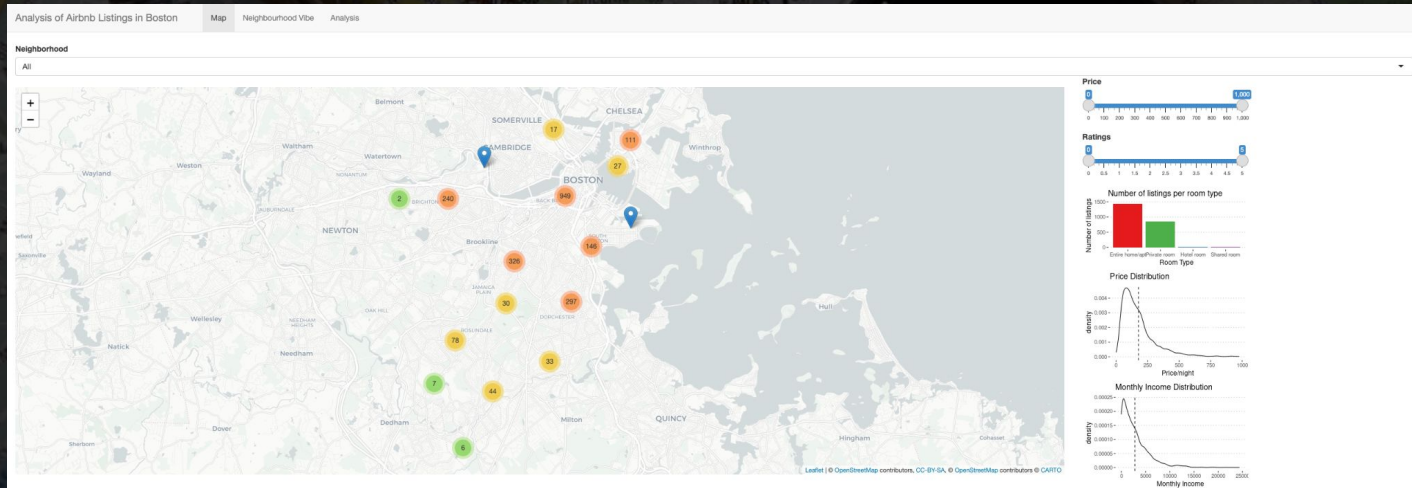
# Dataset

- The Dataset is collected from [inside airbnb](#)
- listings.csv.gz - consists of details of all the airbnb listings in Boston including their price, ratings, name, host id, neighbourhood overview and many other columns describing details of listings
- Number of listings: 3,213



# Methods

- Implemented leaflet map in R Shiny to show all the airbnb listings
- Used Cluster marker to find the density of airbnb listings in the map
- Plotted Price and Monthly Income Distribution of airbnb listings
- Leveraged Bar Plots to find the number of listings per room type in the selected Neighborhood



## Methods

- Used wordcloud2 library to find the word frequencies and plot a wordcloud to analyze the vibe of the selected neighbourhood



# Conclusion

- We can find the neighbourhood vibe based on the word cloud generator.
- Average price of listing is more for hotel rooms.
- No. of listings are more in Dorchester and less in West Roxbury.
- As we move away from the city, we can observe a decline in number of listings.
- There are more Entire room/apartment in the listings in all of Boston neighbourhoods and less shared rooms among room types.





THANK YOU !!!

