

The background of the slide is a detailed map of Paris, France, showing various districts and landmarks. A large, dark-colored key is positioned diagonally across the map, with its head pointing towards the top left. In the bottom right corner, a portion of the red and white Airbnb logo is visible. The title text is overlaid on a dark, semi-transparent rectangular area in the center of the image.

Analysis of Airbnb Listings in Boston

Computation and Visualization

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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,

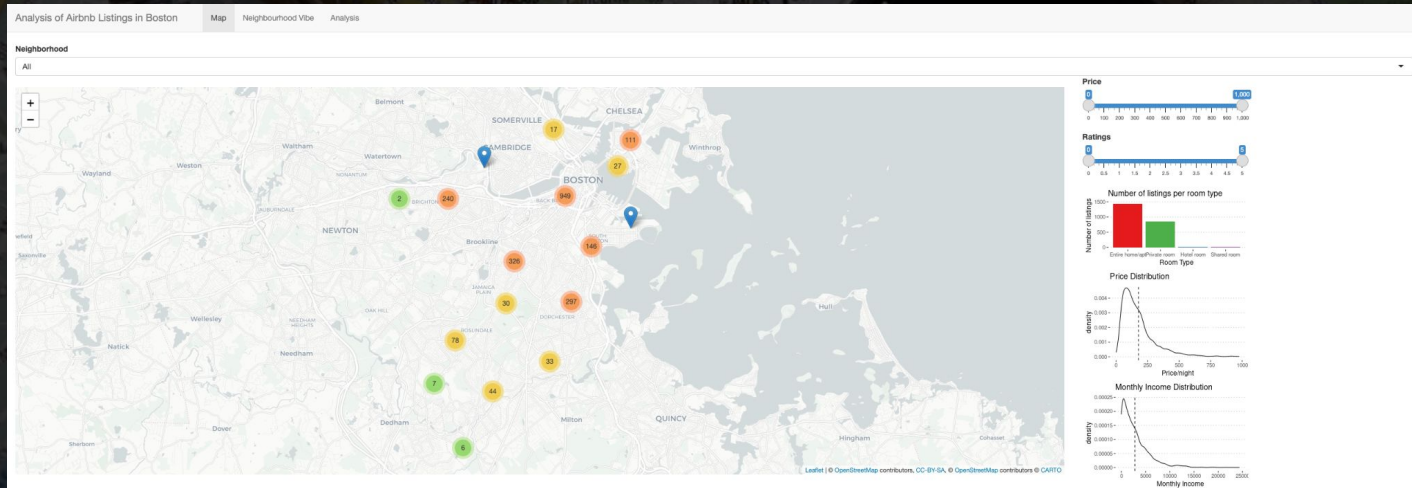
- How the vibe varies with neighborhood
- How price of each listing vary by their room type and neighbourhood
- Which neighbourhood in Boston have the great number and least number of listings?

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.

A composite image featuring a map of Paris as the background. A large, dark metal key is positioned diagonally across the map, with its head near the top left and its bit pointing towards the bottom center. The key has a small, light-colored tag attached to its ring. In the bottom right corner, a smartphone is shown at an angle, displaying the red Airbnb logo and the word 'airbnb' in white. A semi-transparent black rectangular box is overlaid in the center of the image, containing the text 'THANK YOU !!!' in white, bold, capital letters. The map shows various Parisian districts, including the VIIème, VIIIème, IXème, and XIXème, with street names and landmarks like Gare St-Lazare and Gare du Nord visible.

THANK YOU !!!