

Airbnb Data Analysis

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Title - Airbnb data analysis

Dataset -

https://github.com/DataScienceRoadMapDSRM/Tableau-Dashboards-info/blob/main/AB_NYC_2019.csv

- **Your topic and why you chose this topic**

I have selected data analysis of airbnb rooms in NYC because by examining Airbnb data, I could learn more about the usage trends and patterns of the site, including the most well-liked travel destinations, the most popular types of accommodations, and price patterns in various areas and during different seasons.

- **Your process (e.g. - idea, data selection, refinement)**

The csv was loaded in Tableau. The neighborhood column had a string type in the data pane sheet which was then converted to geographic value to use for geographic visualization. Then, I have made different graphs on multiple sheets to visualize different trends in rooms, prices and location. All the sheets were added to the dashboard to compare the different graphs by grouping factor.

- **Graph types chosen and why**

Various graph types were used to create the dashboard. To determine the average prices of rooms on Airbnb in New York City, a geographic map was added and rooms with average price were located on map. Stacked bar chart was created to visualize total bookings by month and room type

in different neighborhoods. Total rooms located in different neighborhoods was represented by pie chart to determine the which area has highest number of rooms and which had the lowest. Average price depending on room type and neighborhood was shown by making a treemap.