

Abstract:

Airbnb stands for “Air Bed and Breakfast,” is a service that lets property owners rent out their spaces to travelers looking for a place to stay. Travelers can choose their rental preference, a shared space with private rooms, or the entire property for themselves. The purpose of this analytical is to understand New York listed Airbnb properties in year 2019.

Design:

This analytical report will show the number of properties listed, mapping the neighborhood groups, sub plotting the listing types, count plot areas with high demand. In addition, this report will show the number of reviews and its effect on price, busiest hosts.

Data:

This dataset contains all the Airbnb listings from the year 2019 with 48895 observations and 16 columns all are a mix of categorical and numerical values.

Algorithm:

Data validation

Read the data

Calculating Number of reviews and its effect to price

Finding the busiest hosts

Visualization

Tools:

- Numby
- Pandas
- Matplotlib
- seaborn