

# FASENI FAKOYA- SUBMISSION

## LINK TO THE DASHBOARD

[https://public.tableau.com/views/AirbnbDashboardassignment-ibm/AirbnbDashboard?:language=en-GB&publish=yes&:display\\_count=n&:origin=viz\\_share\\_link](https://public.tableau.com/views/AirbnbDashboardassignment-ibm/AirbnbDashboard?:language=en-GB&publish=yes&:display_count=n&:origin=viz_share_link)

### Task 2a: Data Cleaning (Any Tool)

1. State the reason for not including these columns for your Data Analytics.

Answer: The following features host id, id, country and country code was removed from the dataset because they are irrelevant to the scope of this assignment so its best for us to remove them from the datasets before analysis

### Task 5a: Data Visualization (Any Tool)

- Which room type adheres to more strict cancellation policy

**Answer:** Entire home/apt

- List the top 10 neighborhoods in the increasing order of their price with the help of a horizontal bar graph. Which is the cheapest neighbourhood

**Answer:** Among the top 10 expensive neighbourhood, CROWN HEIGHTS is the cheapest

- List the prices with respect to room type using a bar graph and also state your inferences.

**Answer:** Entire home/apt has the sum of price followed by private room while hotel room has the lowest sum of price. However, the average price of Hotel room is 666 which could also be the reasons why the sum of price is low.

- Create a pie chart that shows distribution of booked days for each neighborhood group. Which neighborhood has the highest booking percentage.

**Answer:** Manhattan

### Task 5b: Data Visualization (Any Tool)

- Does service price and room price have an impact on each other. Illustrate this relationship with a scatter plot and state your inferences

**Answer:** There is a positive correlation between service price and room price. When the service price increases, the room prices also increase

- Using a line graph show in which year the maximum construction of rooms took place.

**Answer:** The construction year 2012 has the highest construction with 5159 room constructions.

### **Task 5c: Data Visualization (Any Tool)**

With the help of box plots illustrate the following

- Effect of Review Rate number on price

**Answer:** The review rating has a high effect on the sum of price. i.e. the higher the review rating, the higher the sum of price. However, the sum of price experience some little drop when the review rate is higher than 3. The Magnitude of the difference cannot be captured now as the scope of this question does not cover it.

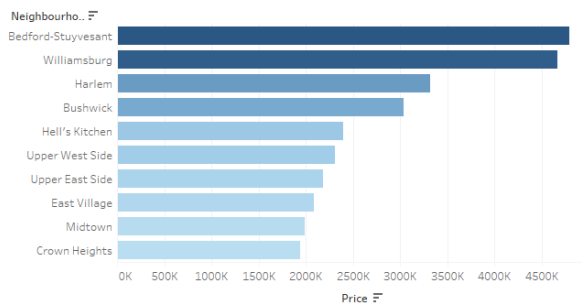
- Effect of host identity verified on price

**Answer:** There verification status of the house owner does not really have big difference on the sum of price and also the average service fee for the rooms with unconfirmed host is slight higher than rooms with verified host with 125 to 124.

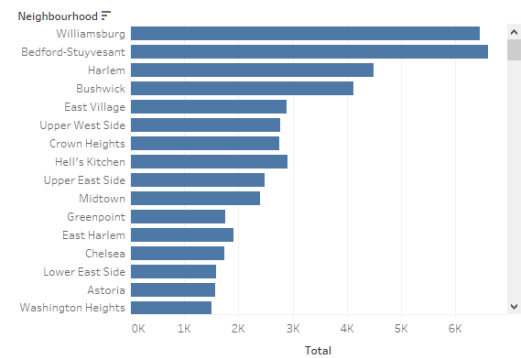
## **SCREENSHOTS**

## Airbnb Dashboard - Submitted by Faseni

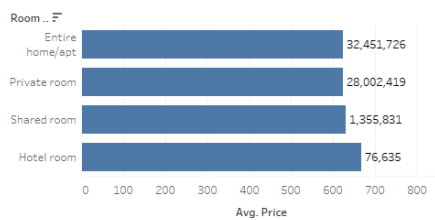
Top 10 expensive neighbourhood



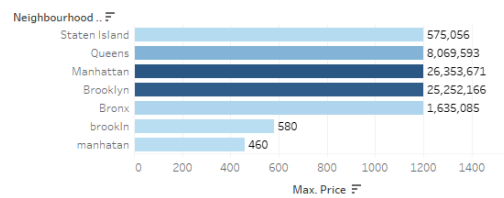
Neighbourhood with short term rentals within 10 days



Room Type and Prices

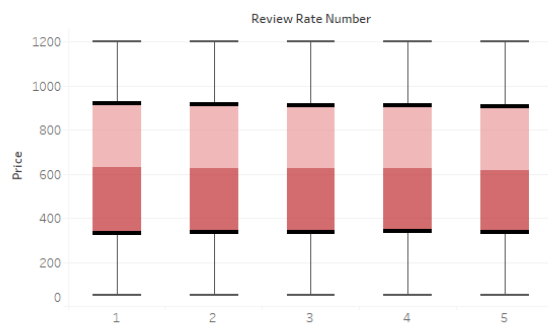


Prices by neighborhood group

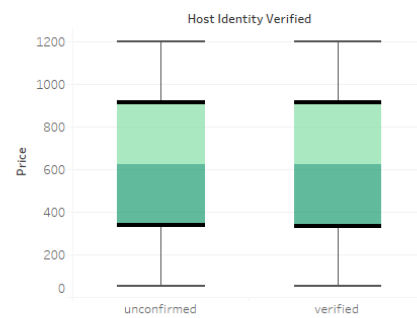


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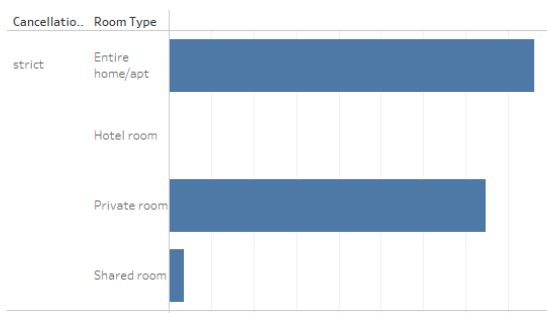
Effect of ratings on price



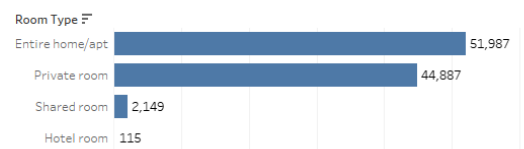
Effect of identity verification on price



Room type that adhere to more strict cancellation policy

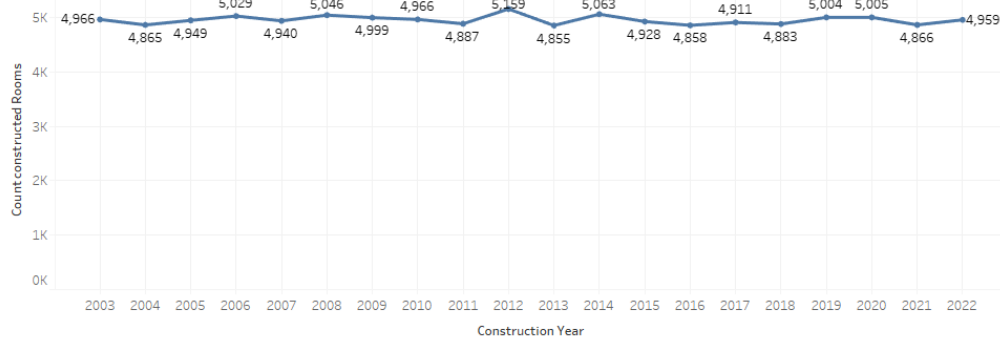


Available Room types



## Airbnb Dashboard - Submitted by Faseni

Construction of rooms per year



Service price and room price



Neighbourhood Group



Distribution of booked days for each neighborhood group

