

Data Visualization and Dashboards with Tableau



Project/Goals

The goal of the project was to use the AIRBNB dataset to understand the performance of Airbnb in New York city and what the future might hold for the industry.

Steps Taken

1. Downloaded the dataset for New York city Airbnb.
2. Developed different visualization to understand the dataset and how they relate to one another.
3. Try to find interesting data within the dataset.
4. Came up with five different questions using appropriate fields and visualization to satisfy my curiosity.
5. Developed a Dashboard to present my findings.

The five questions asked with the Airbnb dataset are as follows:

Question 1:

What are the most common types of property listings (e.g., apartments, houses, private rooms)?

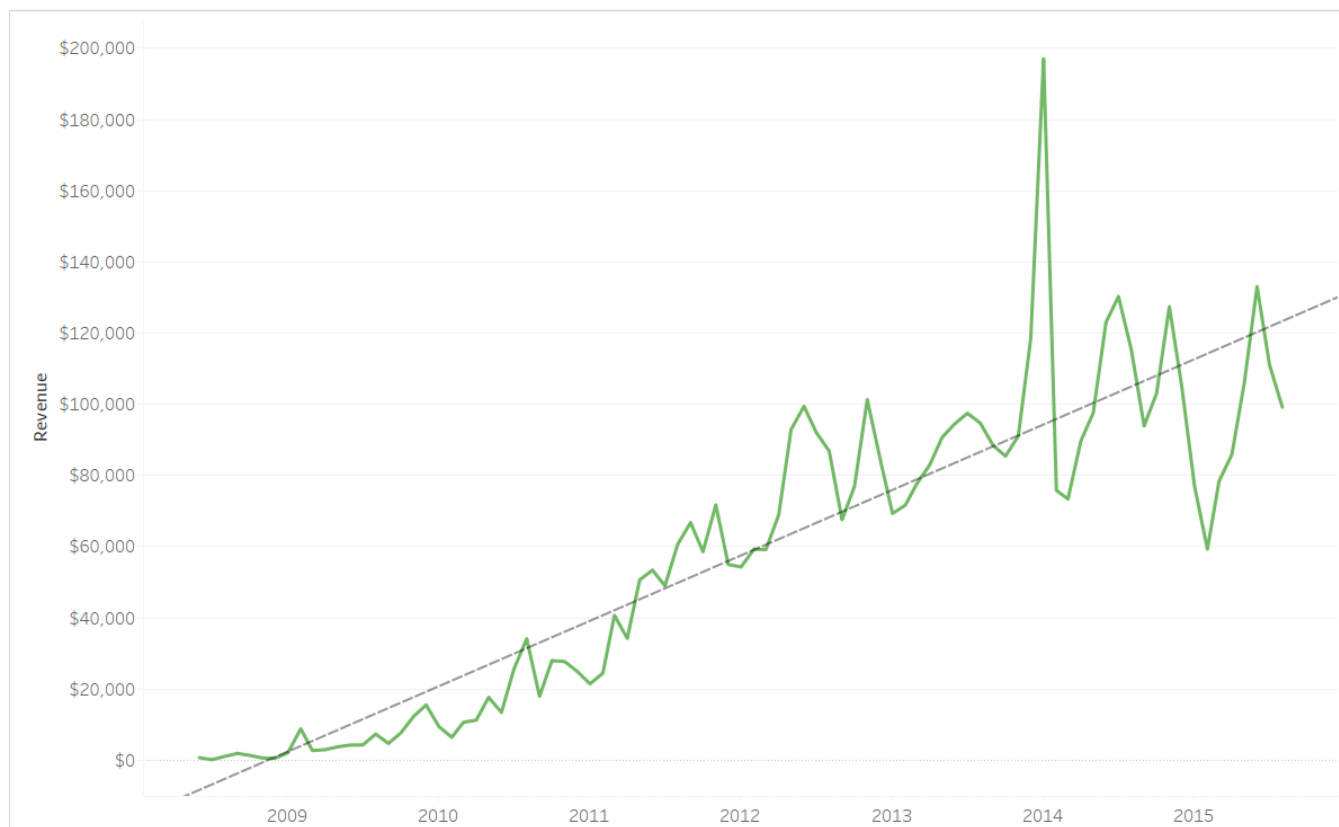
Answer: Apartment and House

Most Common Type of Property		
Property ..	Neighbour..	
Null	Manhattan	3
Apartment	Bronx	218
	Brooklyn	9,740
	Manhattan	15,433
	Queens	1,659
	Staten Isla..	52
Bed & Breakfast	Bronx	6
	Brooklyn	76
	Manhattan	60
	Queens	36
	Staten Isla..	2
Boat	Brooklyn	1
	Manhattan	2
	Queens	5
Bungalow	Brooklyn	1
	Queens	3
Cabin	Manhattan	1
	Queens	1
Camper/RV	Brooklyn	1
	Manhattan	1
	Queens	5
Castle	Manhattan	1
Chalet	Brooklyn	1
Condomin..	Bronx	3
	Brooklyn	30
	Manhattan	56
	Queens	5
Dorm	Brooklyn	19
	Manhattan	6
	Queens	6
House	Bronx	110
	Brooklyn	1,202
	Manhattan	168

Question 2:

How has the revenue of Airbnb listings in New York city changed over the years?

Answer: The revenue of the New York Airbnb has been bullish over the years

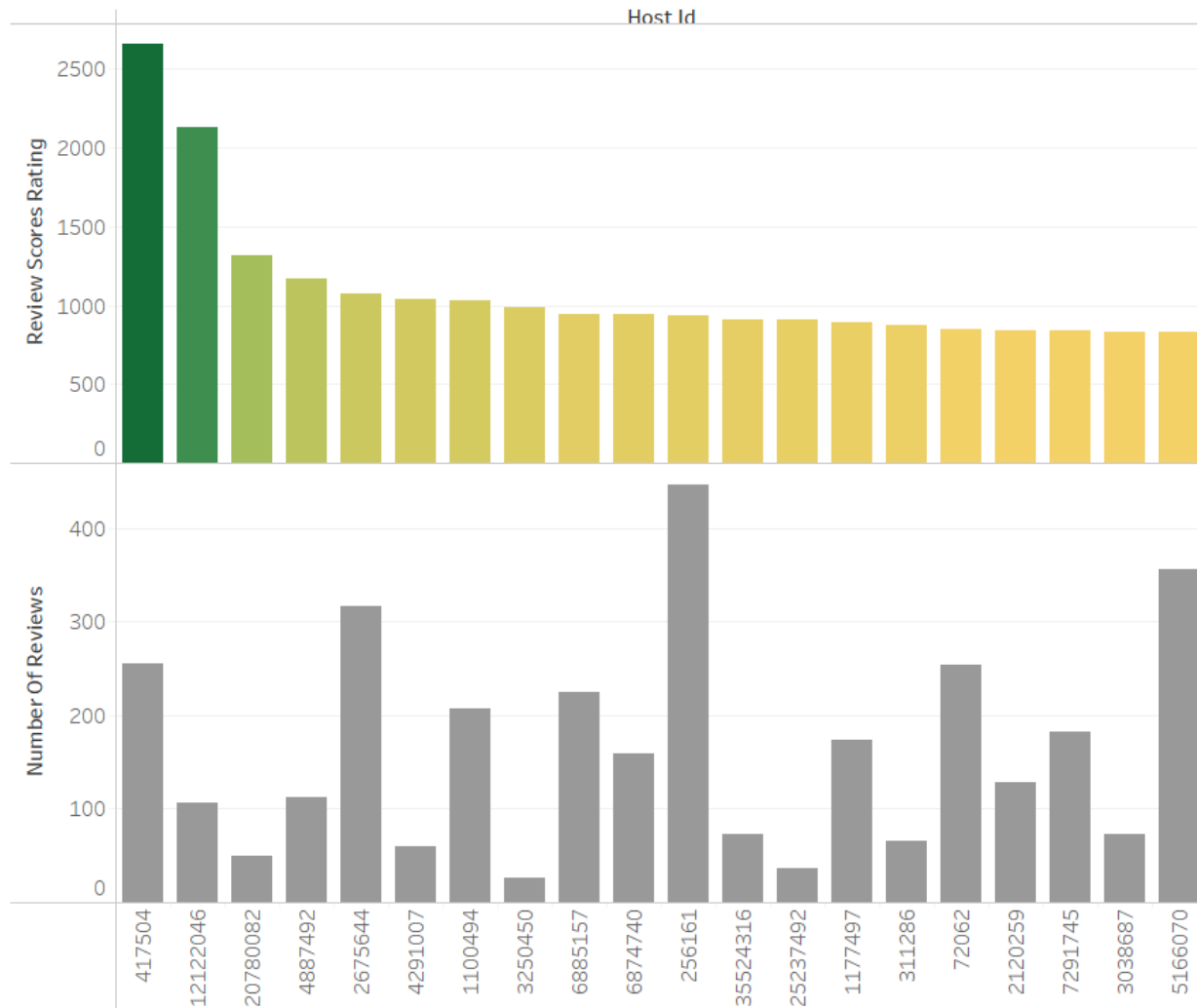


Question 3:

Can we identify any super hosts based on their high ratings and number of reviews?

Answer: Below is a bar chart of the top 30 super host of New York city Airbnb

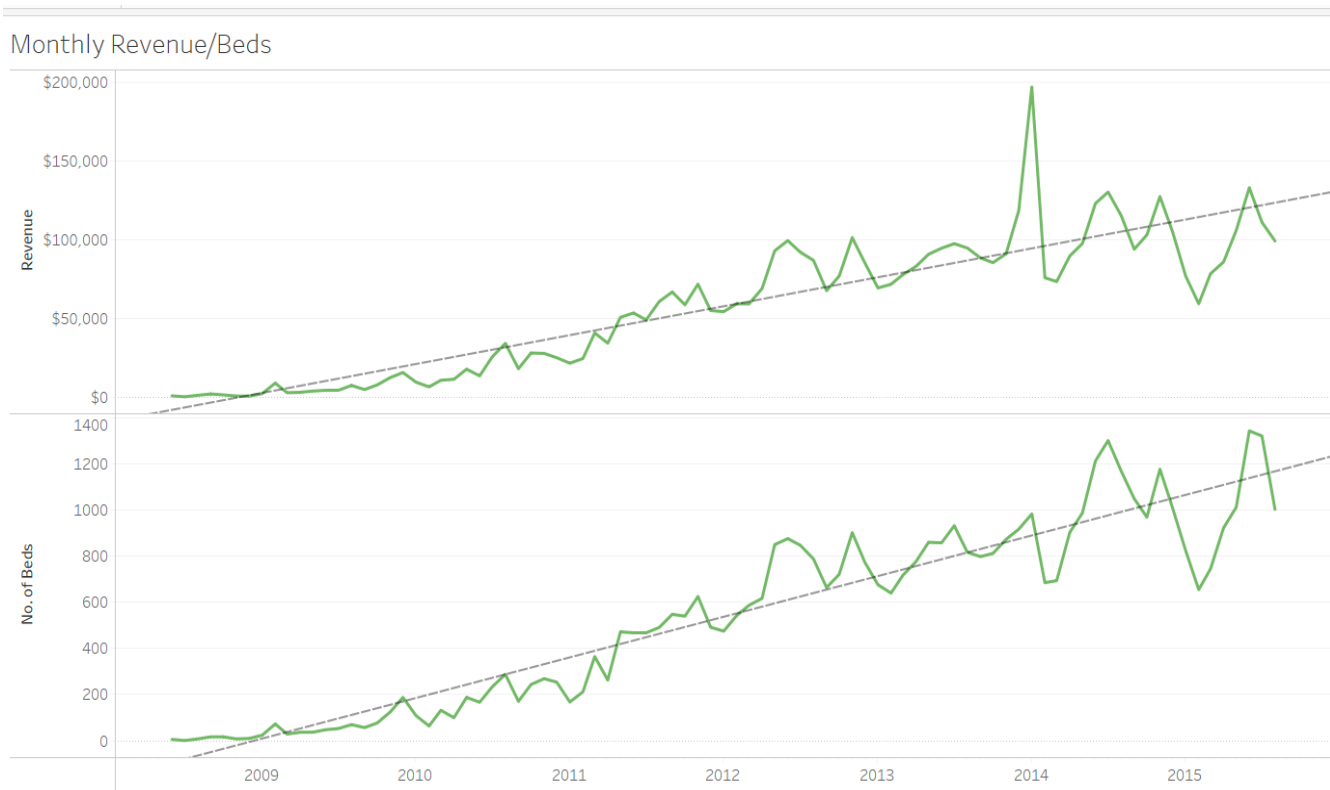
Super Host by review Score rating



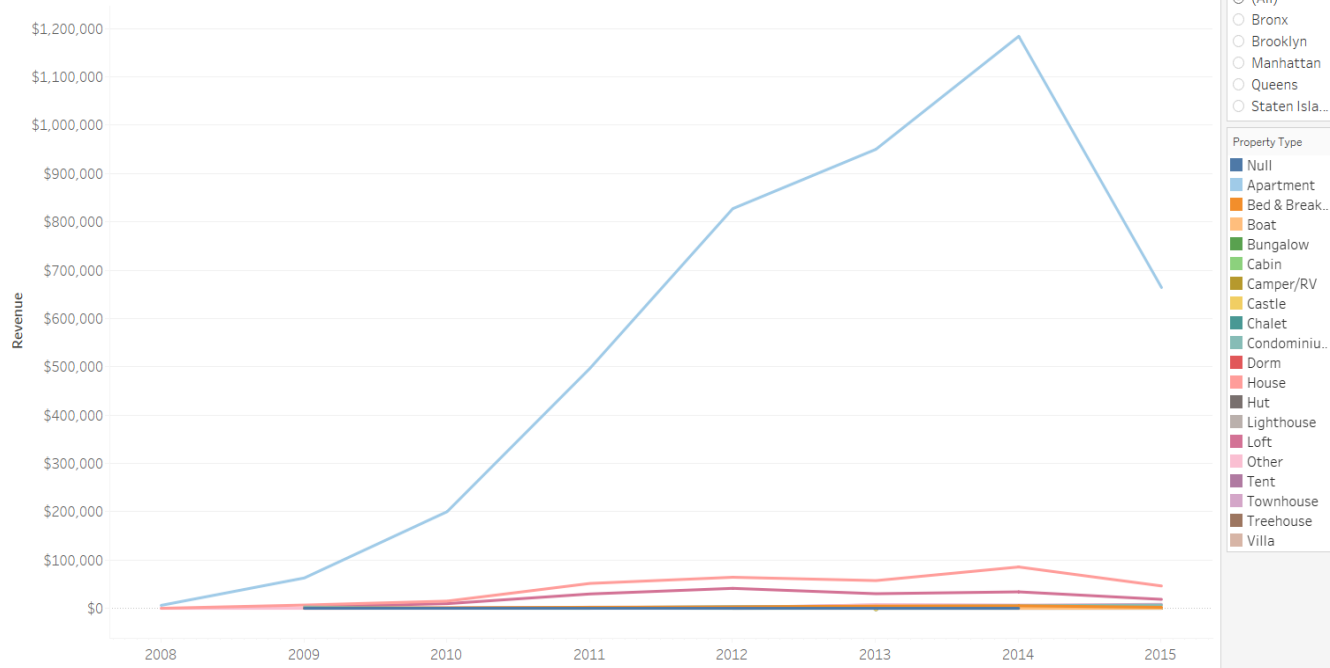
Question 4:

Are there any correlations between the revenue generated and factors such as location and number of beds?

Answer: There appears to be a near perfect correlation between revenue generated and the amount of beds available according to the chart below



Revenue-Property Type/Neighbourhood



Question 5:

What does the future of Airbnb look like?

Answer:

According to a 10years forecast, Airbnb in New York city continue to look promising as it continue its upward trend.

Forecasting Future Sales (95%)

