Dashboard Report

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Link to access Dashboard:

https://public.tableau.com/app/profile/nupur.bhavesh.shah/viz/Airbnb_16710606218970/Dashboard2?publish=yes

Data Description:

The NYC-Airbnb old dataset has data structured into 12 columns with 30475 rows. It consists of data over 8 years beginning from 2008 to 2015. Data captures information regarding accommodation activities in the Airbnb considering Host ID, Host Since, Name, Neighbourhood, Property type, Room Type, Zip Code. Data is organized in the following manner:

Host ID: A Numerical ID.
Host Since: Date since you are the host.
Name: Name of the Airbnb.
Neighbourhood: Town particularly where the Airbnb is residing.
Property Type: Type of Property like Apartment, House, Loft.
Room Type: Type of Room like Private, Entire, Shared.
Zip Code: Zip code of Airbnb.
Beds: Count of bed in Airbnb.
Number of Records: Number of Records it has.
Number of Reviews: Number of reviews received.
Price: Price of the Airbnb.
Review Score Rating: The rating evaluated through reviews given.

Overview:

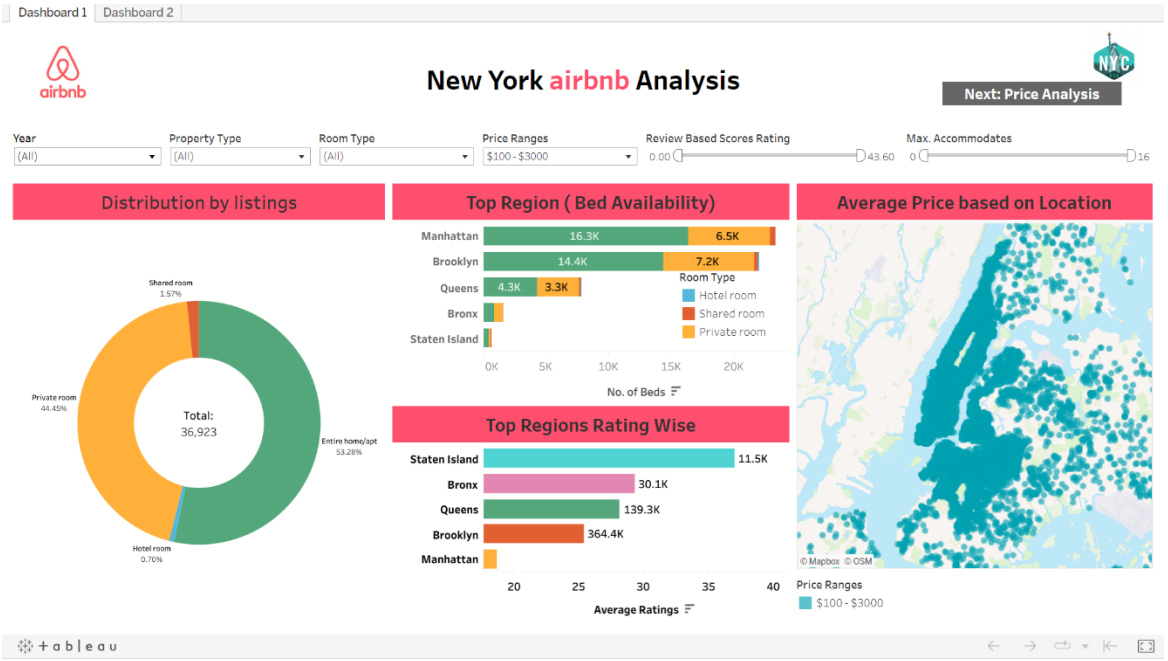
Dashboard is a lean tool to replace large and complex graphs. Dashboarding enables quick access to customized information to ease decision making. Airbnb is a way to rent a home or condo for a vacation, holiday, tour, or a getaway. We have created two dashboards from the NYC-Airbnb old dataset. The aim for creation of dashboard is to quantify what an Airbnb in New York would cost considering factors such as size, time of year and location. Each dashboard has been explained with taking scenario which are elaborated meticulously in the next section.

Dashboard Description:

1. ***Dashboard-1***

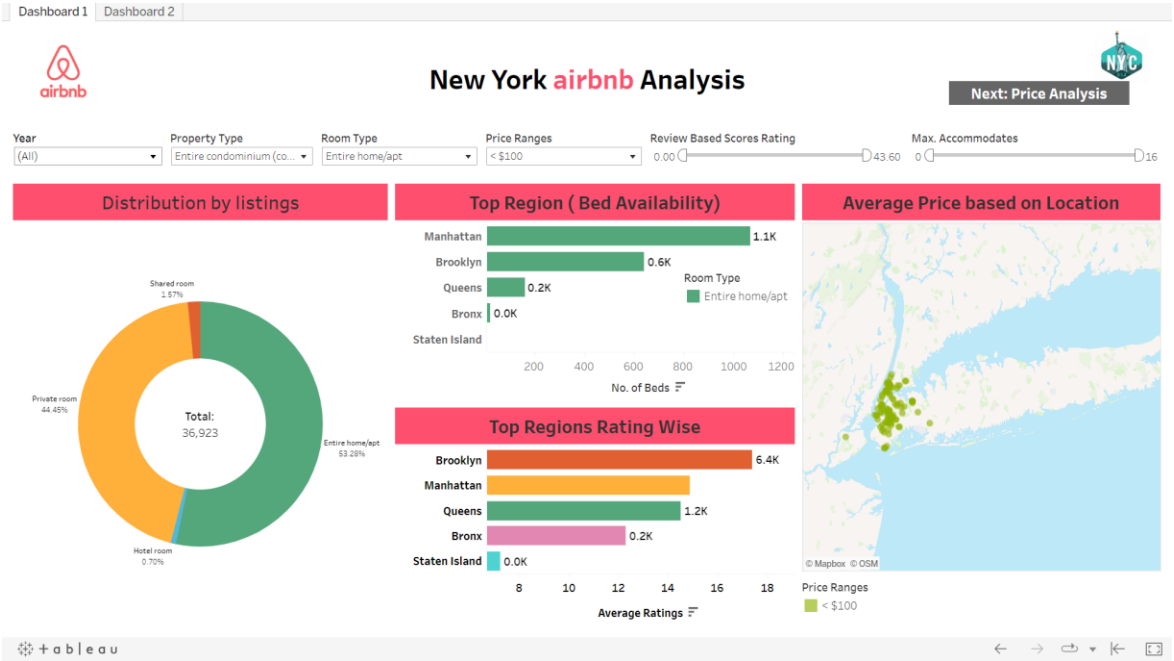
   It consists of Year Type, Property type, Room Type, Price Ranges, Review based score rating and Maximum accommodates. Visualization included are:

   1.1 Distribution by Listings through “Pie Chart”.
   1.2 Top Region (Bed Availability) through “Horizontal Stacked Bar Chart”.
   1.3 Top Region Rating-wise through “Horizontal Stacked Bar Chart”.
   1.4 Average Price based on location through “Mapbox”.



Scenario of dashboard after applying following constraint:

1. ***Property Type-*** *Entire condominium*
2. ***Room Type-*** *Entire home/apt*
3. ***Price Ranges-*** *<$100*



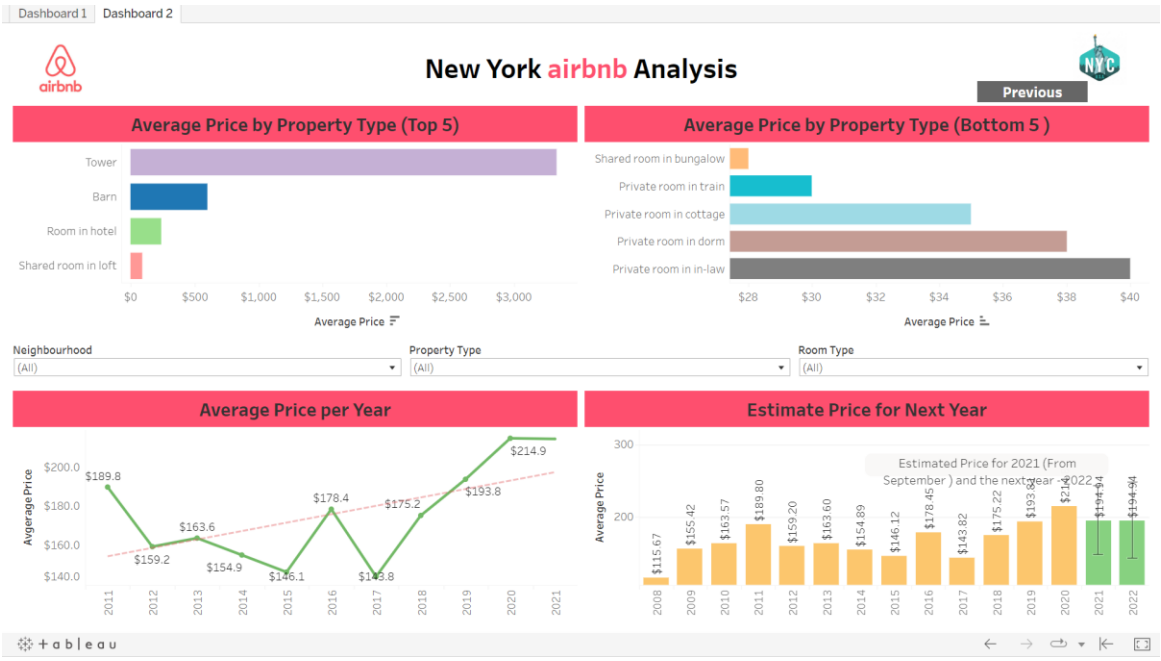
2. ***Dashboard-2***

   It consists of Neighborhood, Property type and Room Type. Visualization included are:

   2.1 Average Price by Property Type (Top 5) through “Horizontal Bar Graph”.

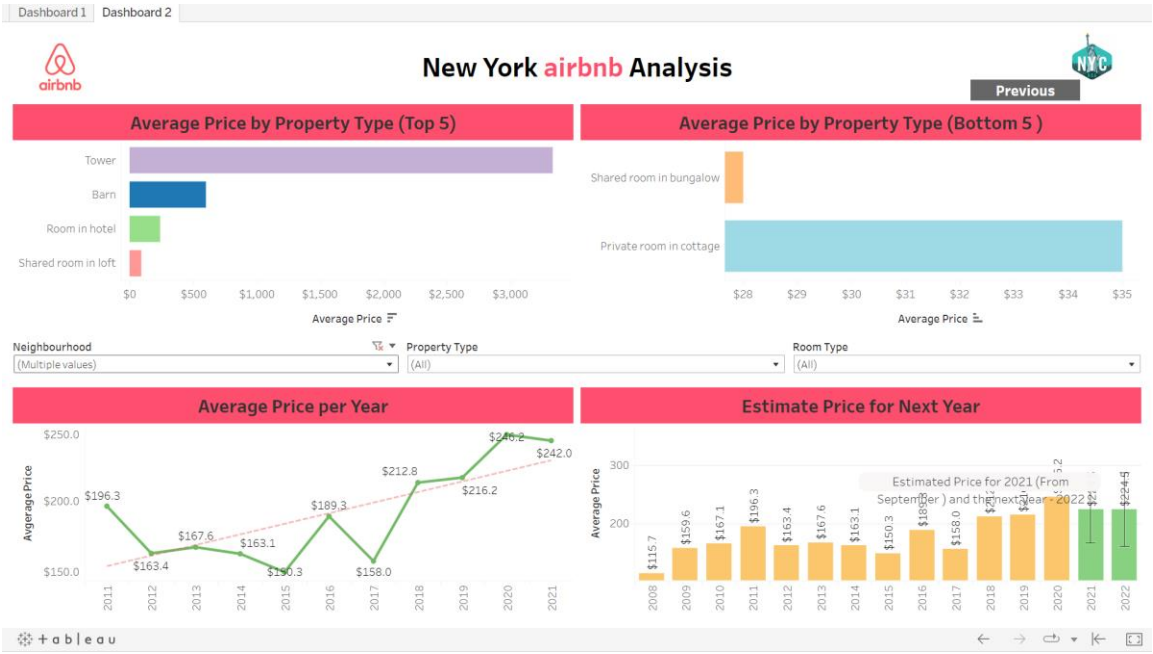
   2.2 Average Price by Property Type (Bottom 5) through “Horizontal Bar Graph”.

2.3 Average Price per Year through “Line Plot with Trendline”.
2.4 Estimated Price for next Year through “Bar Graph”.



Scenario of dashboard after applying following constraint:

1. ***Neighborhood-*** *Multiple Values (Brooklyn, Manhattan)*
2. ***Property Type-*** *All*
3. ***Room Type-*** *All*



Conclusion-

Airbnb was a comprehensive dataset that enabled us to effectively use the existing data and visualize it dynamically through multiple charts and draw insights and information from them. We can drive intelligent decisions and choose wisely from ample of options available in the Airbnb through these well-designed dashboards.