

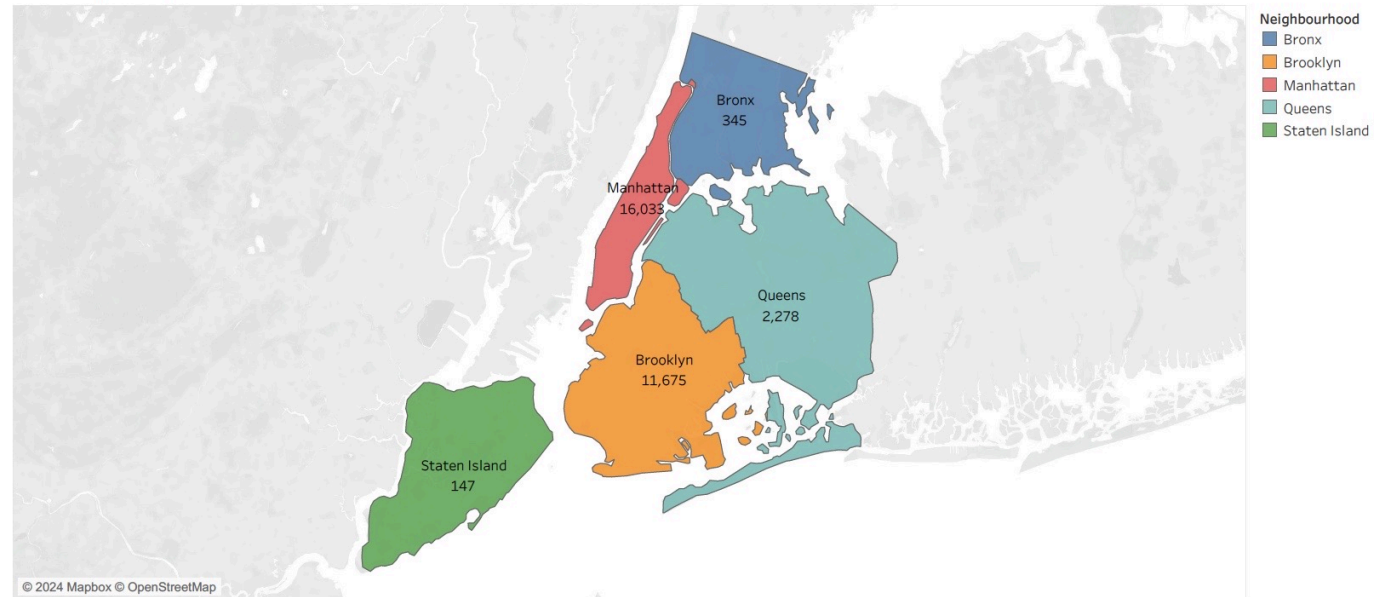
Tableau Final project

Yogitha kandhi

- I choose Airbnb data for option 2 to do this project.
- Connected to the data through Tableau and detected different data types:
- The data has 30478 records of property names with 13 attributes
- The goal of the project is to do the exploratory data analysis, observe trends patterns and through initial observations to tell a meaningful story through visualization.
- The most important features from the data set are
 - Geographic locations
 - Property types
 - Price
 - Reviews
 - Date
- Questions popped during EDA:
 - Is there any relationship between joining date of host and number of reviews?
 - Is there any variation of price based on city?
 - Cities with higher number of Airbnb's?
 - Is there any relationship between price, property type and time?
 - What's the forecast for 2015 and 2016?
 - Most profitable quarter for Airbnb?
 - Highest reviewed host, highest earning host and host with highest records?

Based in the county we can infer that Manhattan has the highest number of Airbnb

Airbnb per city



Airbnb is making its maximum revenue from Manhattan.

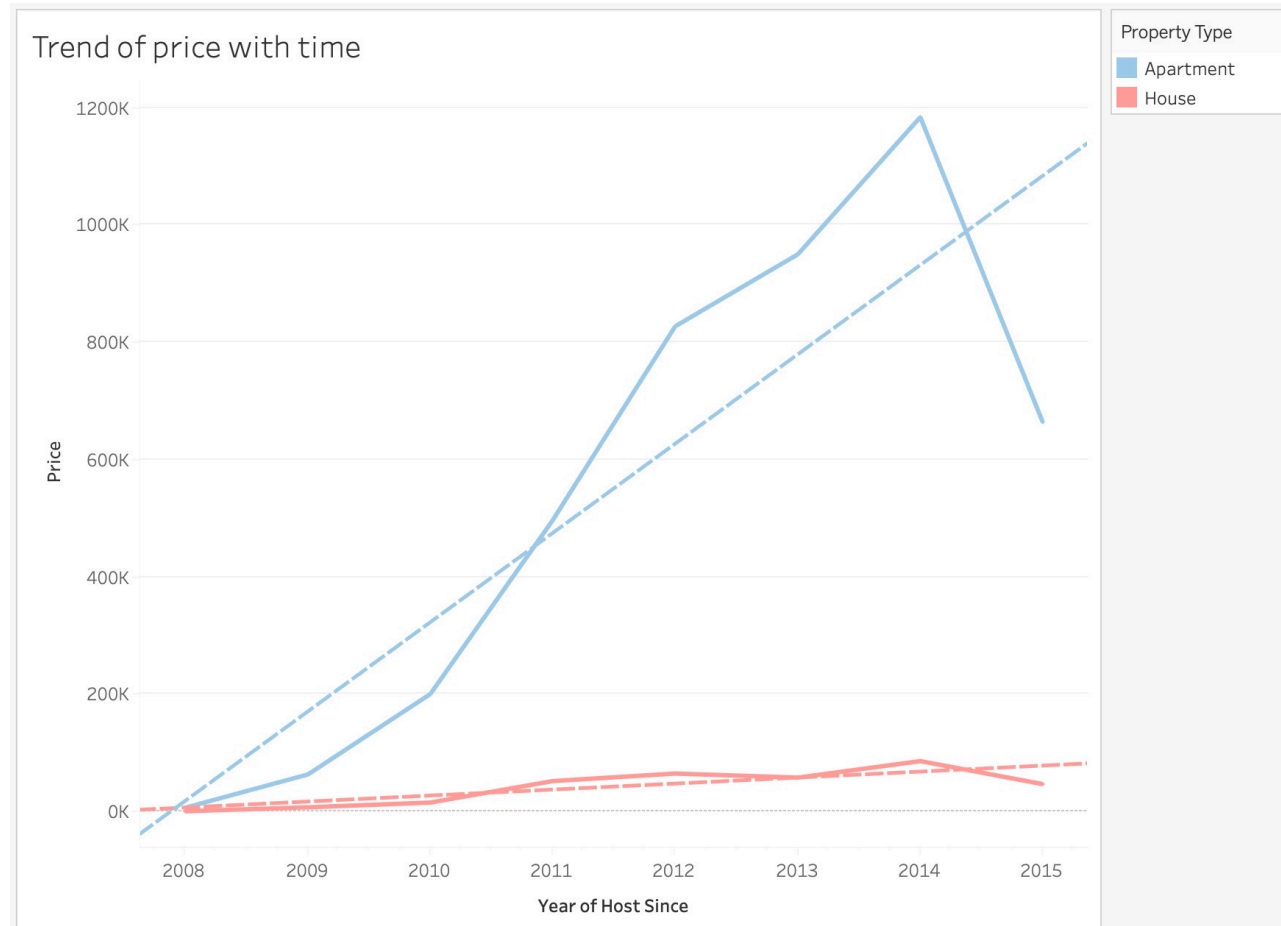
Price per city



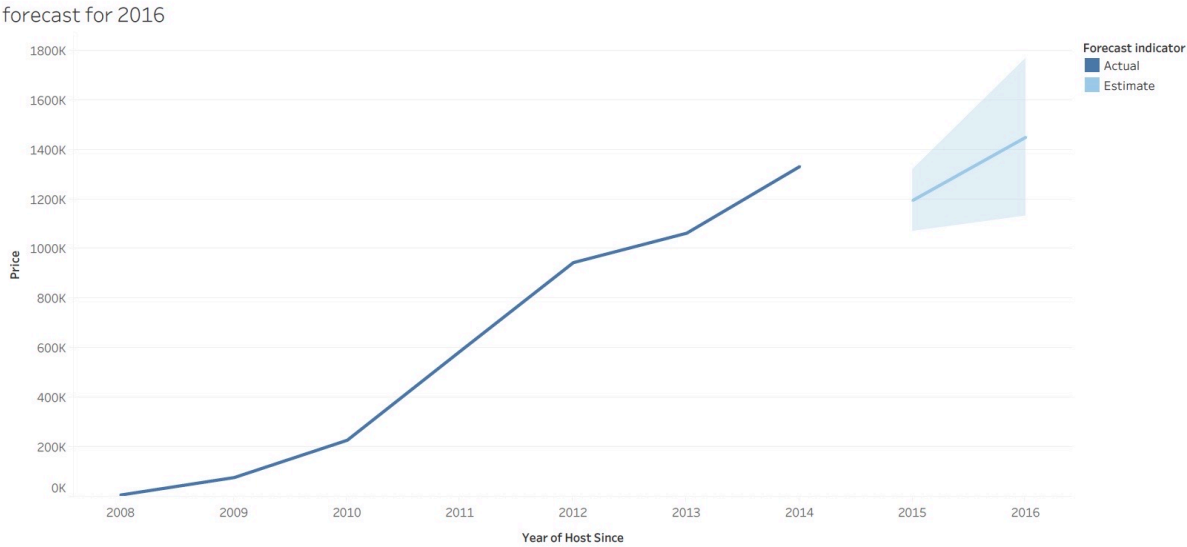
Trend in price of apartment and house with time

The p value is very low making it statistically significant

The apartment prices grew very much faster when compared to the house.

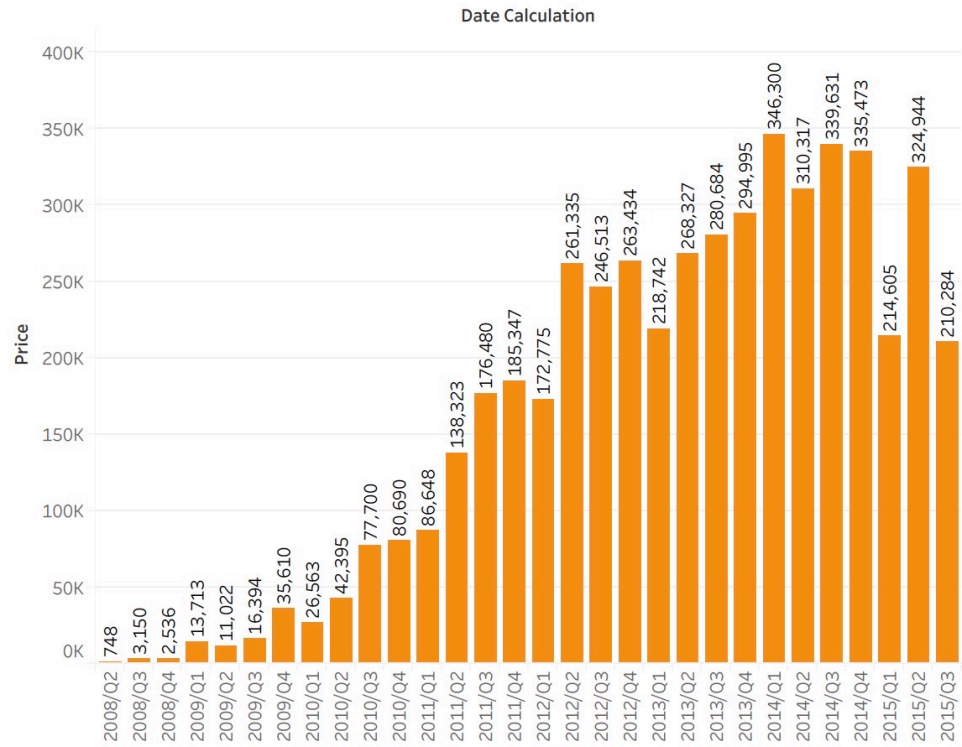


Price Forecast for 2015 – 2016 based on the previous data.



Created a date parameter to identify the most profitable quarter for Airbnb

date parameter

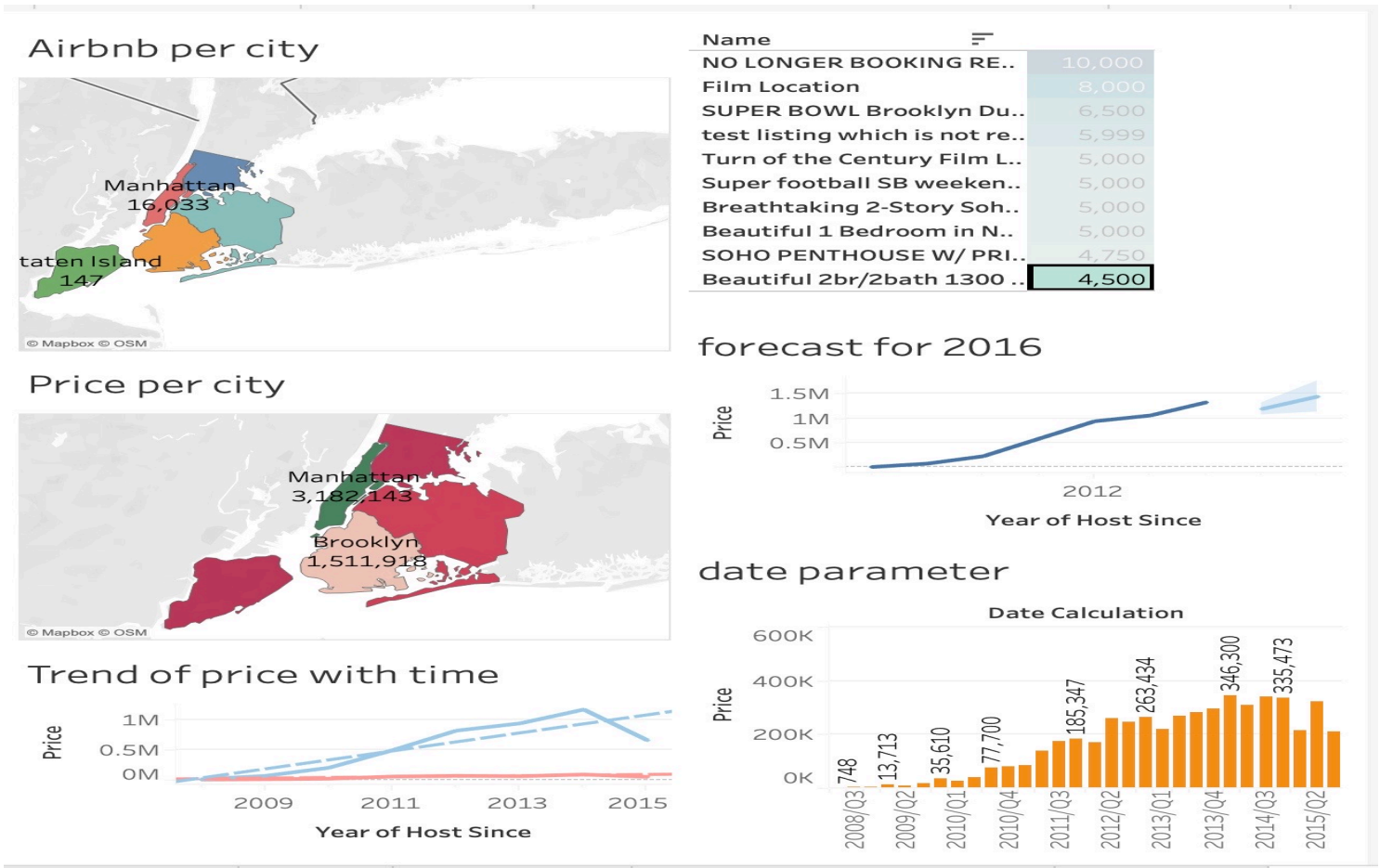


Highly priced Airbnb in the table view

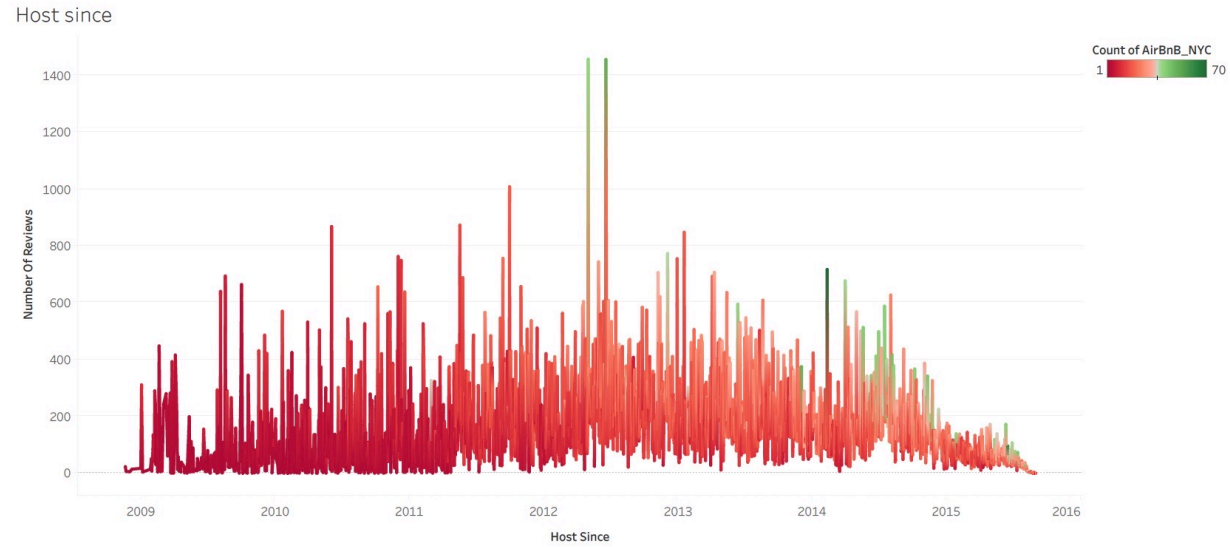
Top 10 locations
based on prices

Name	Price
NO LONGER BOOKING RE..	10,000
Film Location	8,000
SUPER BOWL Brooklyn Du..	6,500
test listing which is not re..	5,999
Turn of the Century Film L..	5,000
Super football SB weeken..	5,000
Breathtaking 2-Story Soh..	5,000
Beautiful 1 Bedroom in N..	5,000
SOHO PENTHOUSE W/ PRI..	4,750
Beautiful 2br/2bath 1300 ..	4,500

Interactive dashboard with trend and forecast

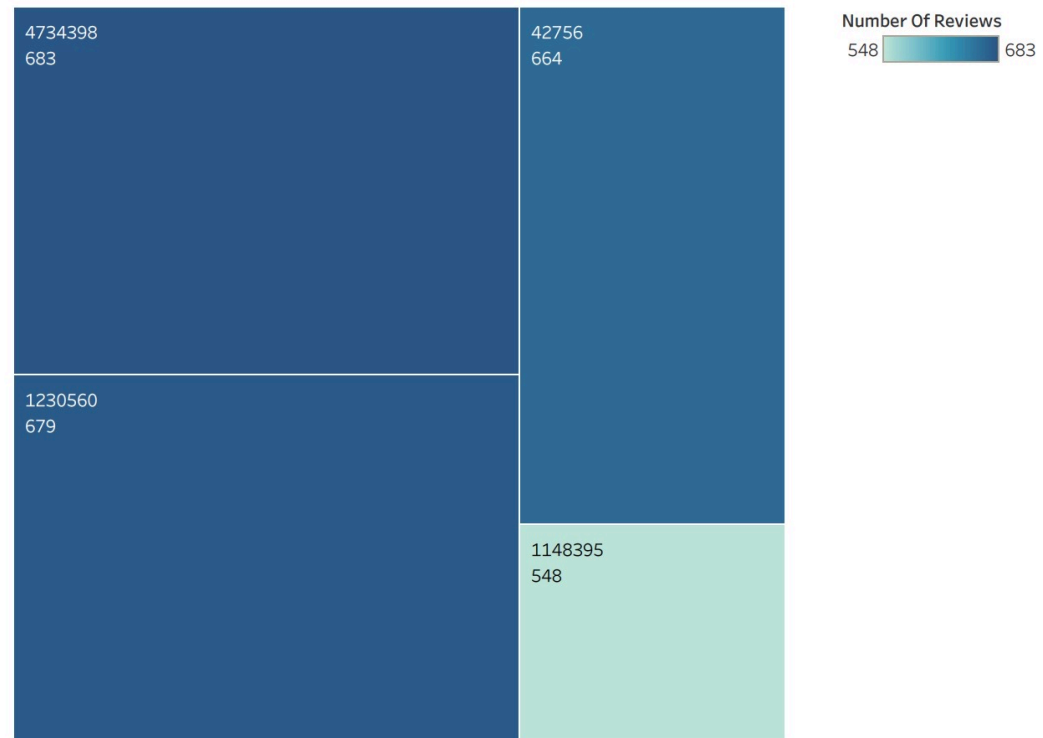


Reviews of hosts and their joining dates



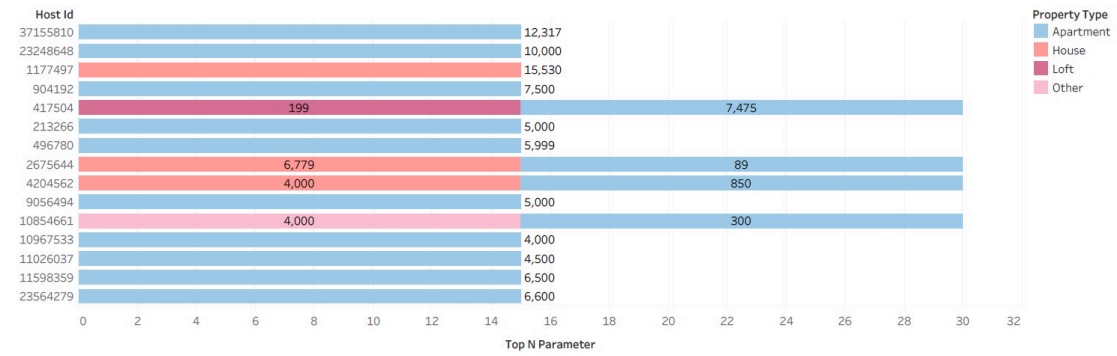
Highest reviewed host

Highest reviewed host



Highest earning host and their property type

Highest earning host and their property type



Cluster of hosts with highest number of records.

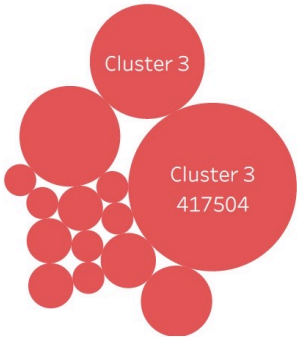
Host with highest
number of records

Clusters
Cluster 3

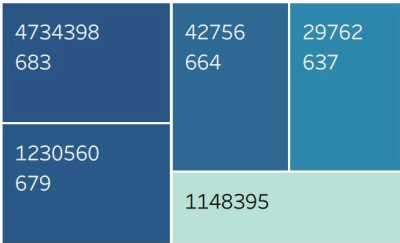


Dashboard describing the host parameters.

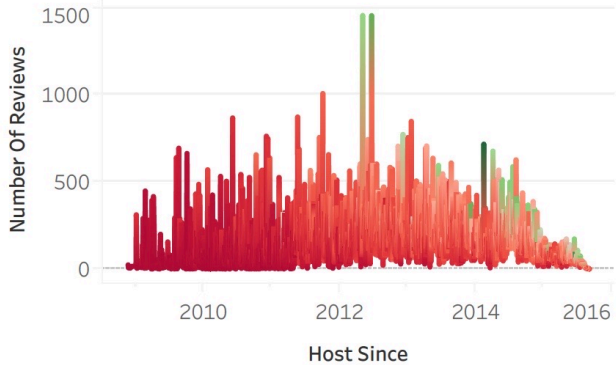
Host with highest number of records



Highest reviewed host



Host since



Highest earning host and their property type

