

# Terre Leung

Project 3

Data Visualization with Tableau

# Goals

- Create a visualization on housing to see visually the increase of house prices over the last 40 years.
- Try to get the most value of the Air BNB you choose if were to travel.

# Project Overflow

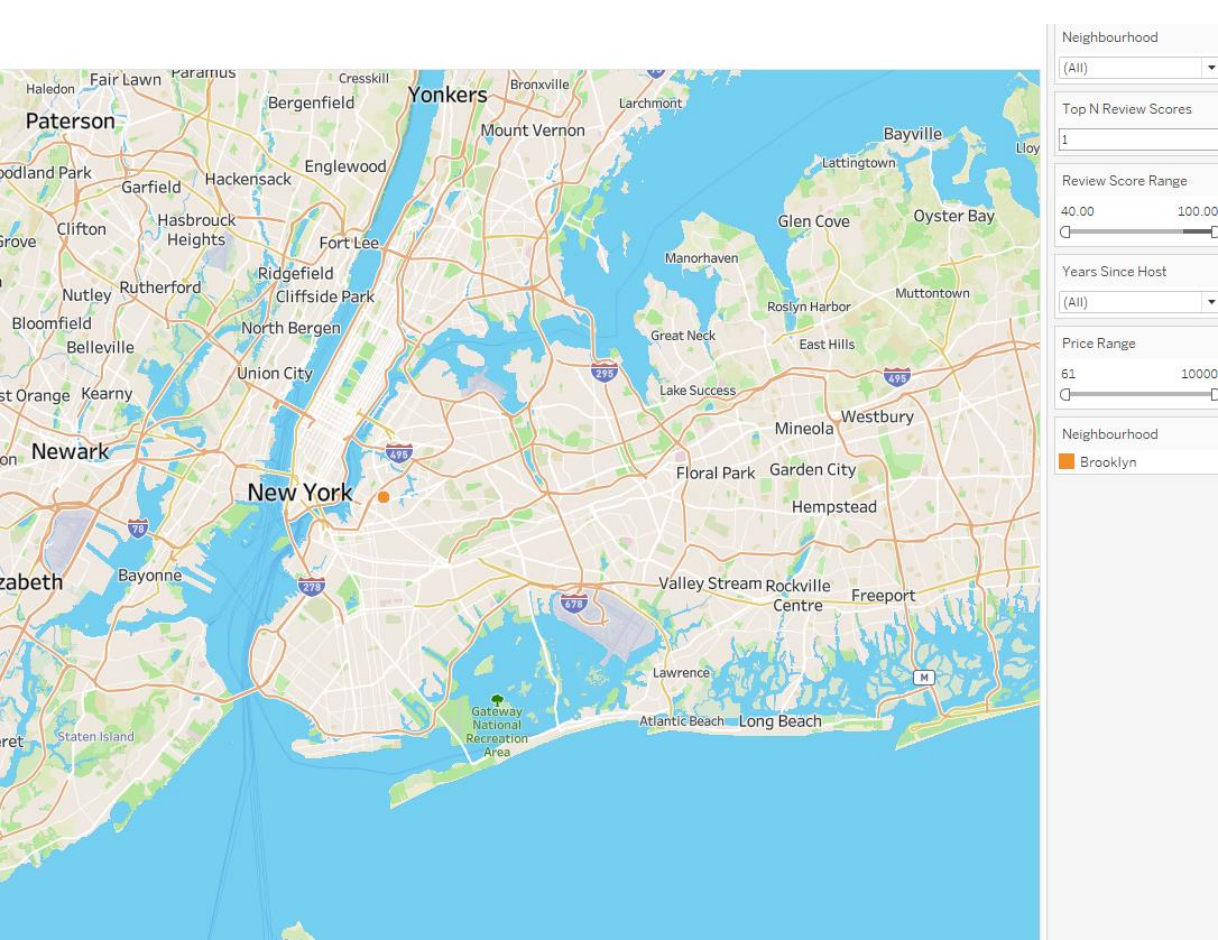
- Build 5 visualizations including a map to analyze data
- Try to find a correlation between data
- Create a dashboard to see all the visualizations all together
- Get answers to the questions I am looking for

# Questions

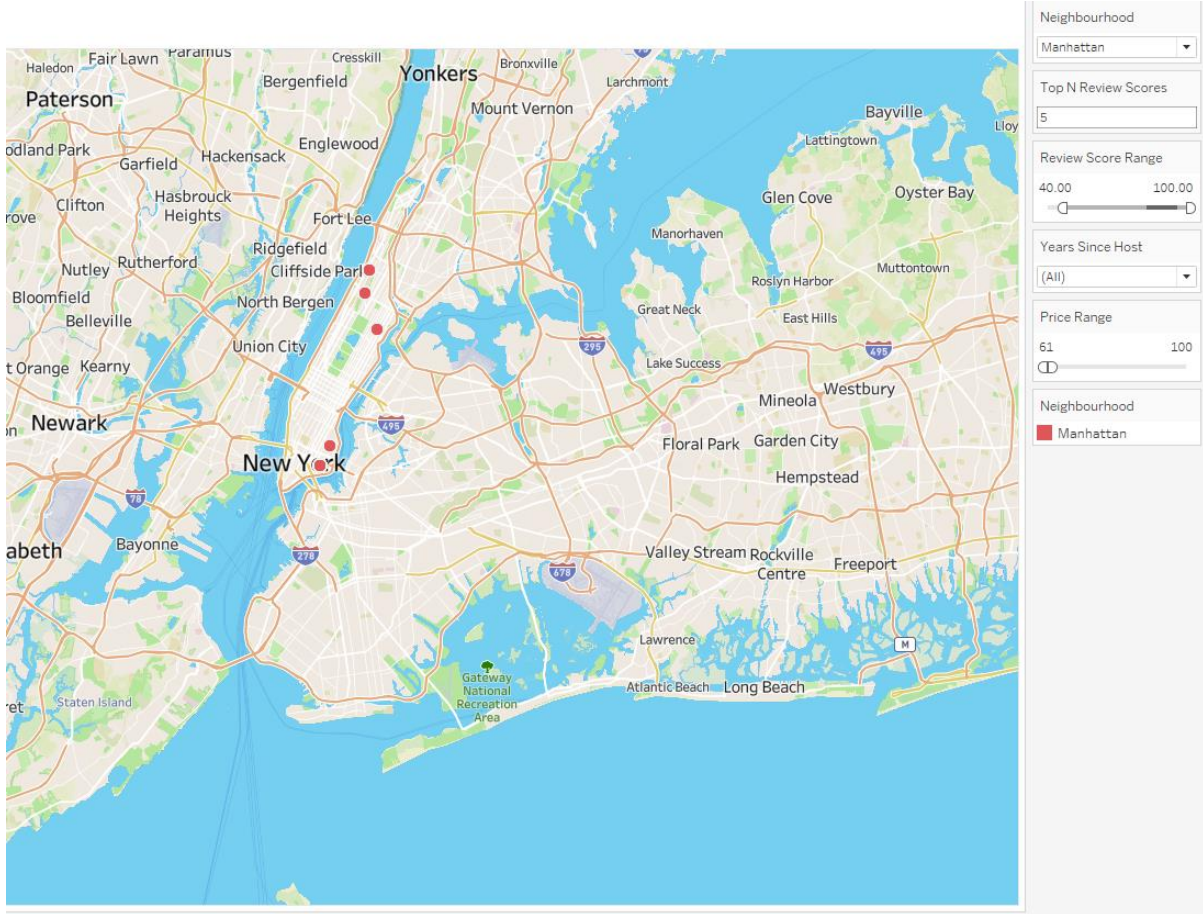
- Does the price of Air BNBS affect the quality of the experience?
- What's the main reason for the increase of price?
- Are there any other factors for the increase of price?
- How much more expensive has Air BNBS gotten in the most recent years and will it get more expensive?
- How do I find the Air BNB with the most value?

# Best Value Using a Map

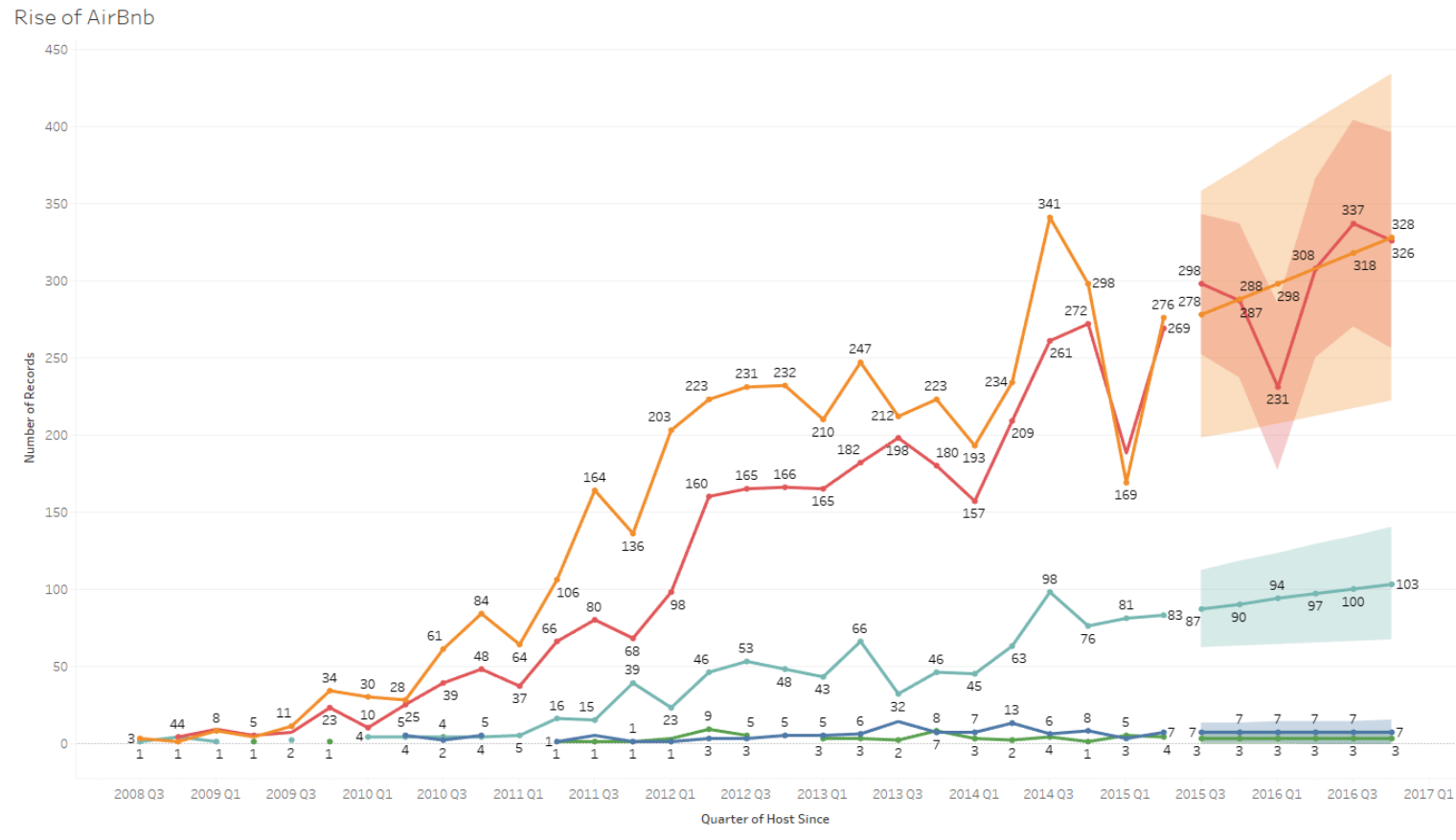
Best Rating for all price range



Top 5 Best rating in Manhattan for under \$100.



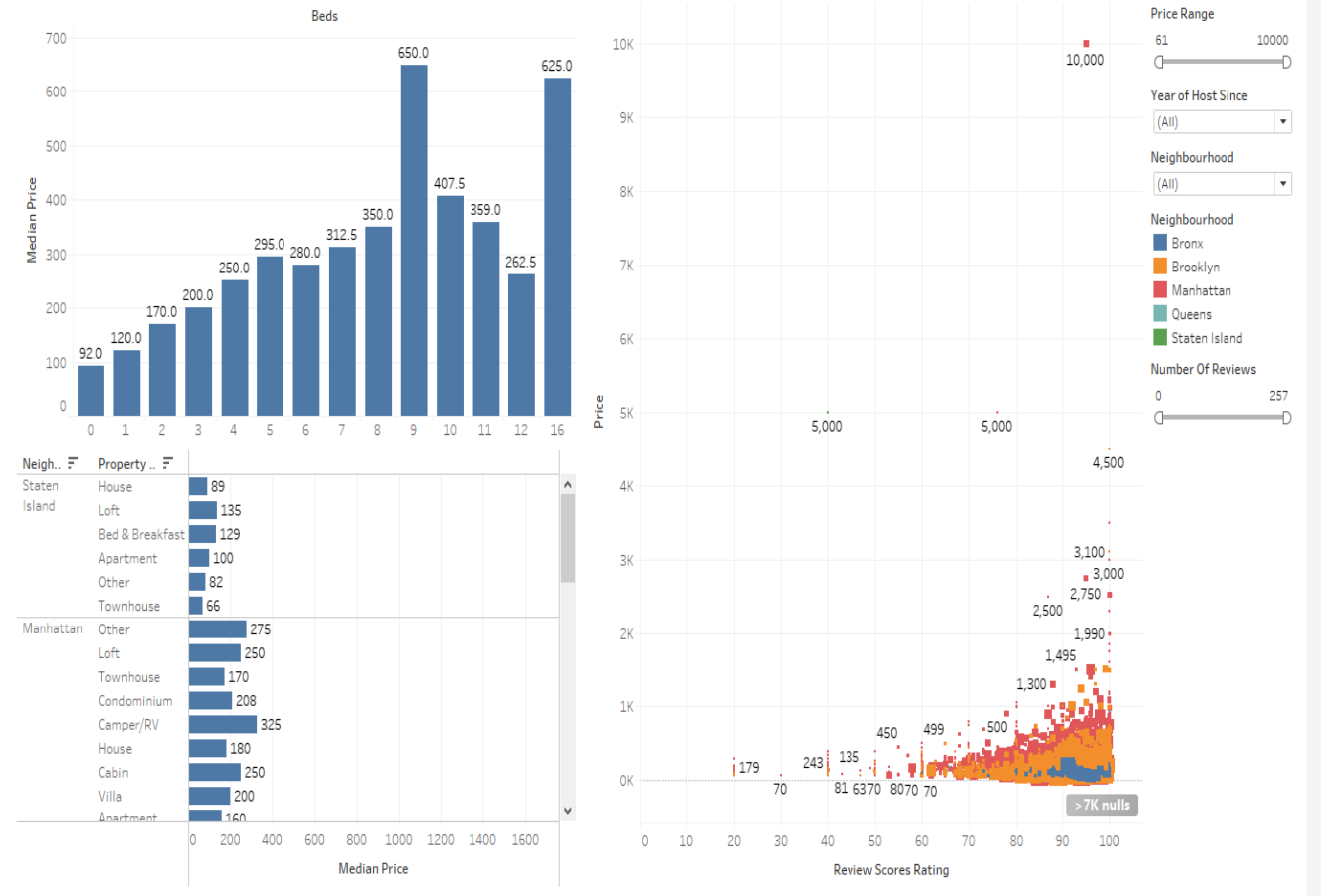
# Yearly increase of AirBNB



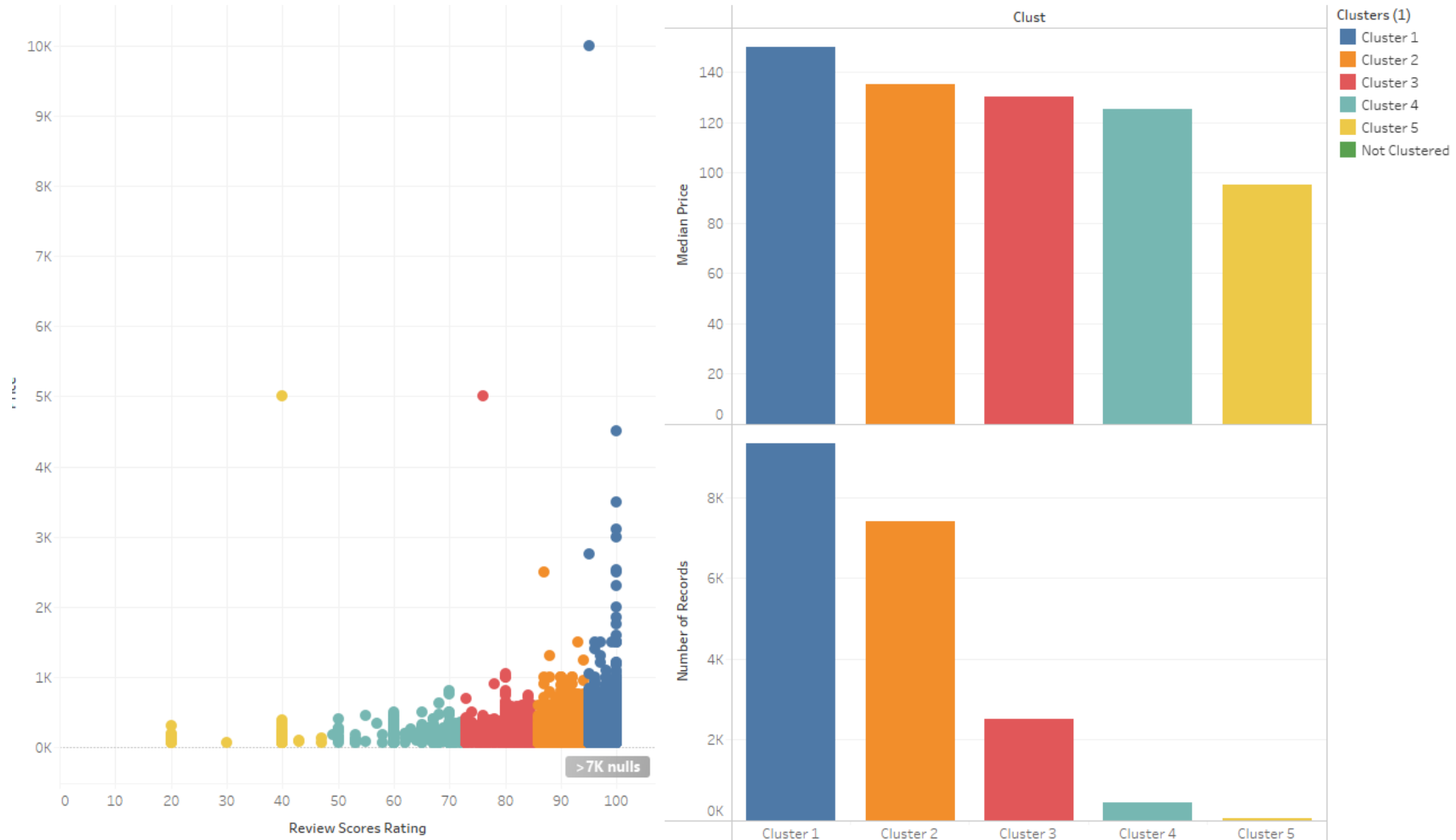
First quarter of the year is cheaper than the third quarter

# Cheap vs Expensive AirBNBS

Cheap	Expensive
Less number of beds	More Beds
Location: Staten Island	Location: Manhattan
Property: Dorm, Cabin, Townhouse	Property: Villa
Worse reviews	Good reviews
First quarter of the Year	Third quarter of the year



# Cluster based on review score





# Conclusion

Using the tips shown in previous slides, we can get the most value on when to go on a vacation while renting an Air BNB.

We can also use the map to precisely find the best value Air BNB in any city, property, and budget based on its review score.

# Biggest Challenges

- Saving the project
- Tableau keeps on crashing

Tableau Server



**An error occurred while attempting to save the workbook.**

The Tableau server you are publishing to does not permit external database connections. Use the Data menu to create an extract for the following data sources:

Data Extract Required  
real\_estate\_prices

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OK

Map

