

Task 2

Summary of Story: In this tableau story, we try to get an insight about New York Airbnb dataset focusing on finding best neighborhood groups to stay in. At first, we can see that New York City has an active Airbnb scene. Then we find most expensive neighborhood groups which are Manhattan and Brooklyn. Our goal is to find out if these neighborhood groups are two most important and popular too. Supply and Demand are high in these regions too. It means Airbnb is so active in Manhattan and Brooklyn and these are popular among both hosts and travelers. Minimum nights required is another factor that reaffirms popularity and importance of Manhattan and Brooklyn. It means travelers stay more nights to see all attraction of city in those neighborhoods. At the end, we understand that Manhattan and Brooklyn are two most important neighborhood groups (Airbnb-wise) and high demand and high supply is because of this importance.

Story:

New York Airbnb Trends:

Finding the best neighborhood groups to stay in

<	Introduction	New York's Active Travel Scene	The most expensive neighbourhoods	Demand and Price	Supply and Price	Availability and Price	Minimum Night analysis	Conclusion	>
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This Tableau story analyses New York City's Airbnb market, focusing on finding **most popular neighbourhood groups** and best of them to stay.

We use key metrics such as **average pricing**, **demand** and **supply** trends **minimum stay requirements** across neighborhood groups. The analysis provides insight for travelers planning their stay in New York City.

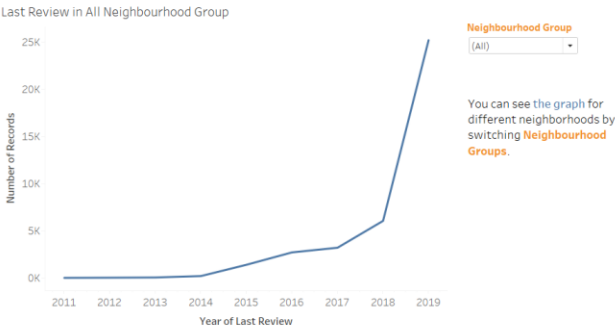


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Is Airbnb active in New York?

The [line graph](#) shows that, over time, most neighborhoods experience an increase in reviews, showing that listings tend to have more recent reviews than older ones. This suggests that Airbnb in New York remains **active**, with frequent usage by guests



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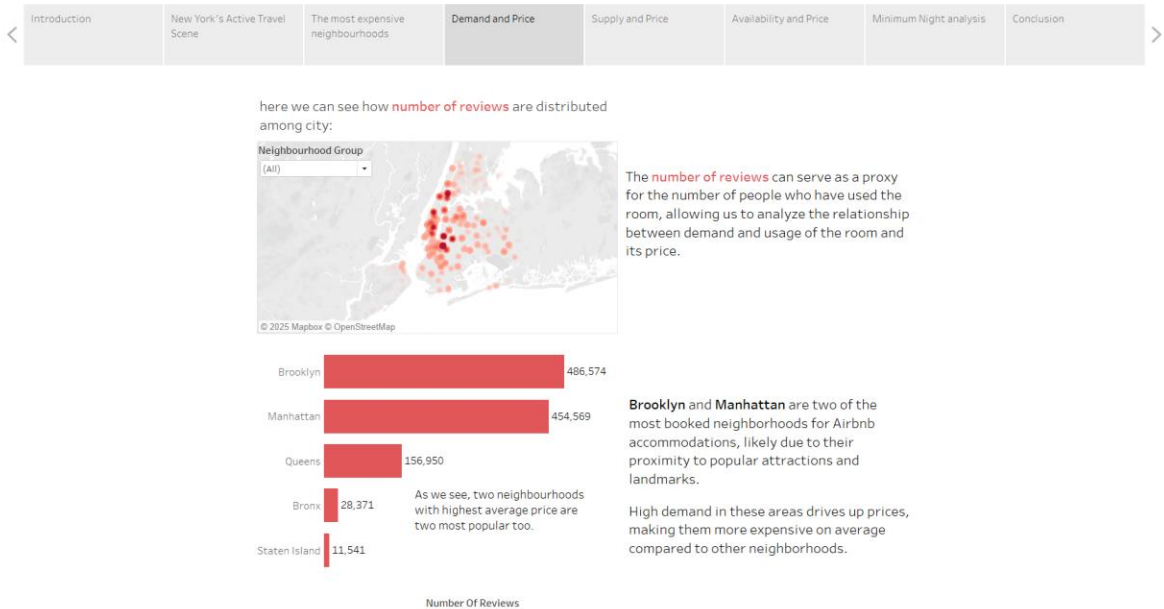
Manhattan and Brooklyn have the highest average price among all neighborhood groups ...



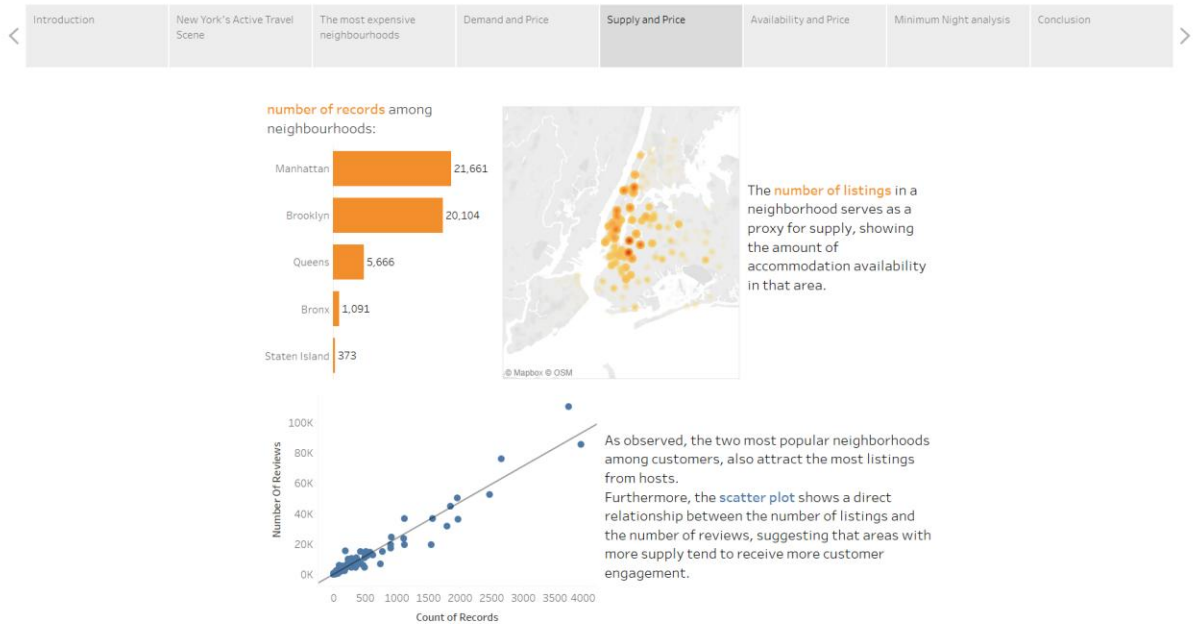
A high [average price](#) in a neighborhood can mean several things. It might show that the area is very desirable, possibly due to its location. It could also reflect a strong demand for booking rooms, leading to higher costs.

We want to explore the reasons behind these high prices and how they affect other factors, such as demand and supply. By understanding these dynamics, we can understand more about these Neighbourhoods.

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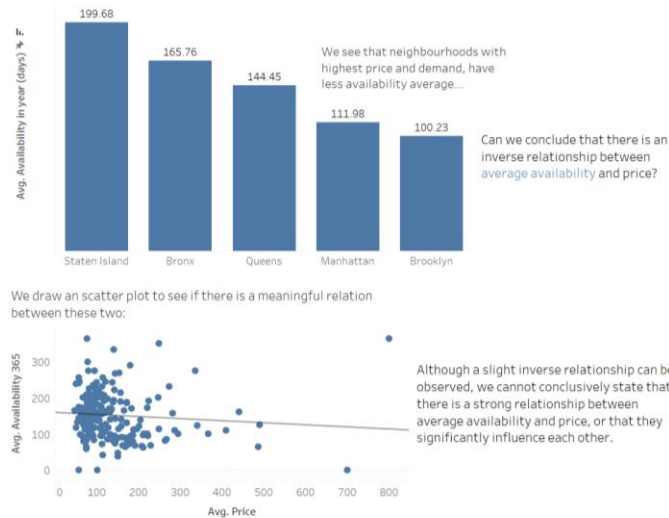


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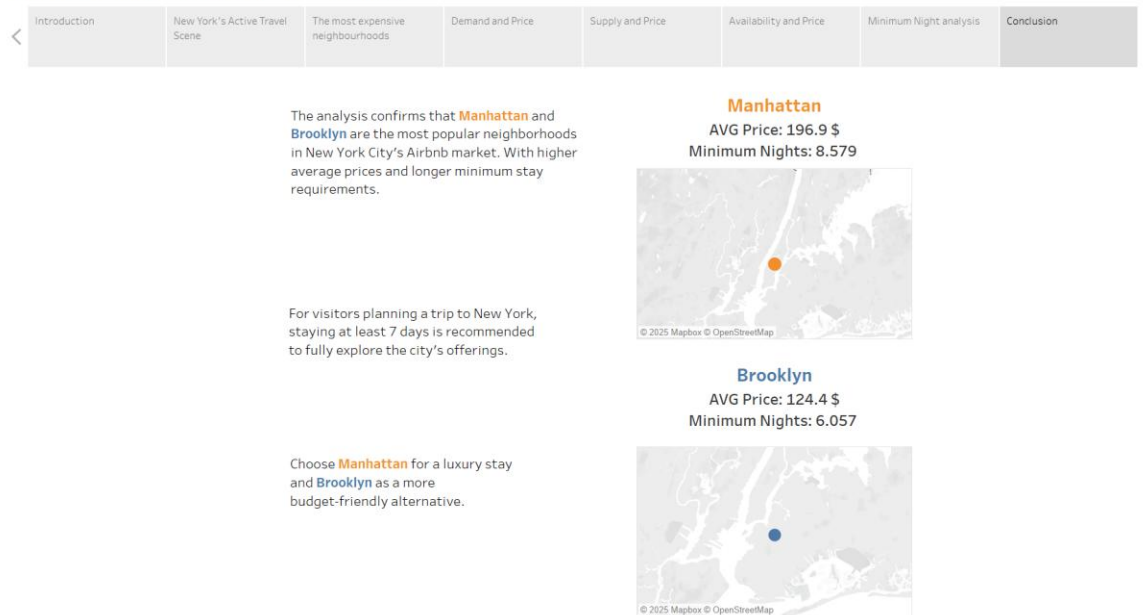
The average **minimum night** requirement of 4.5 days for booking in neighborhood groups suggests that visitors typically stay in New York for 4 to 5 days or more!

This could be attributed to the city's vast size and numerous attractions.



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List of Parameters:

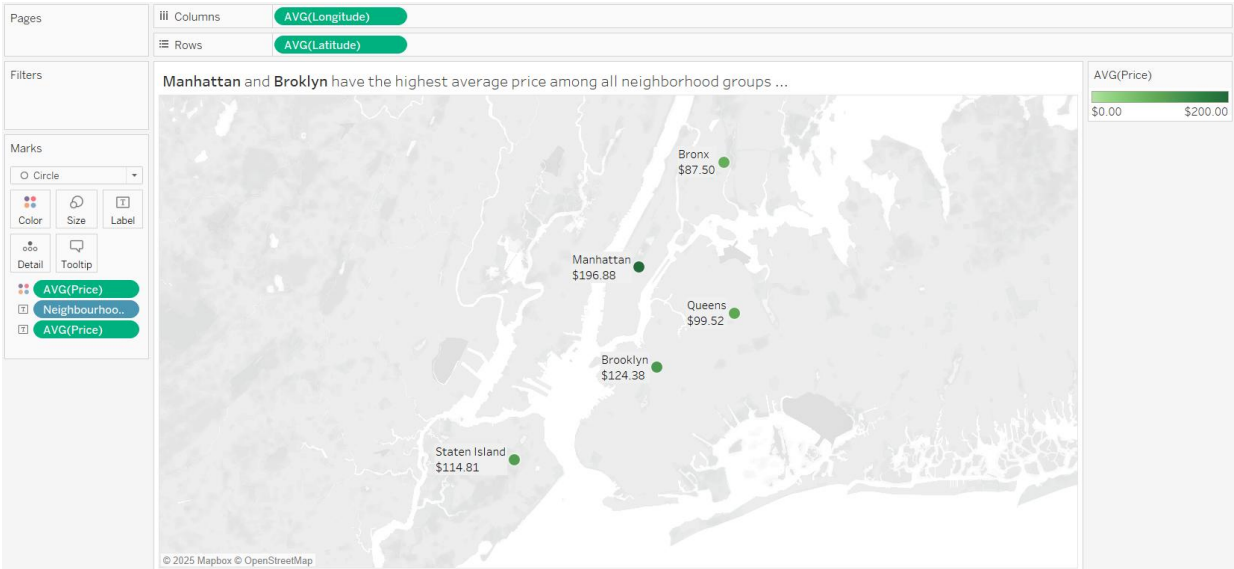
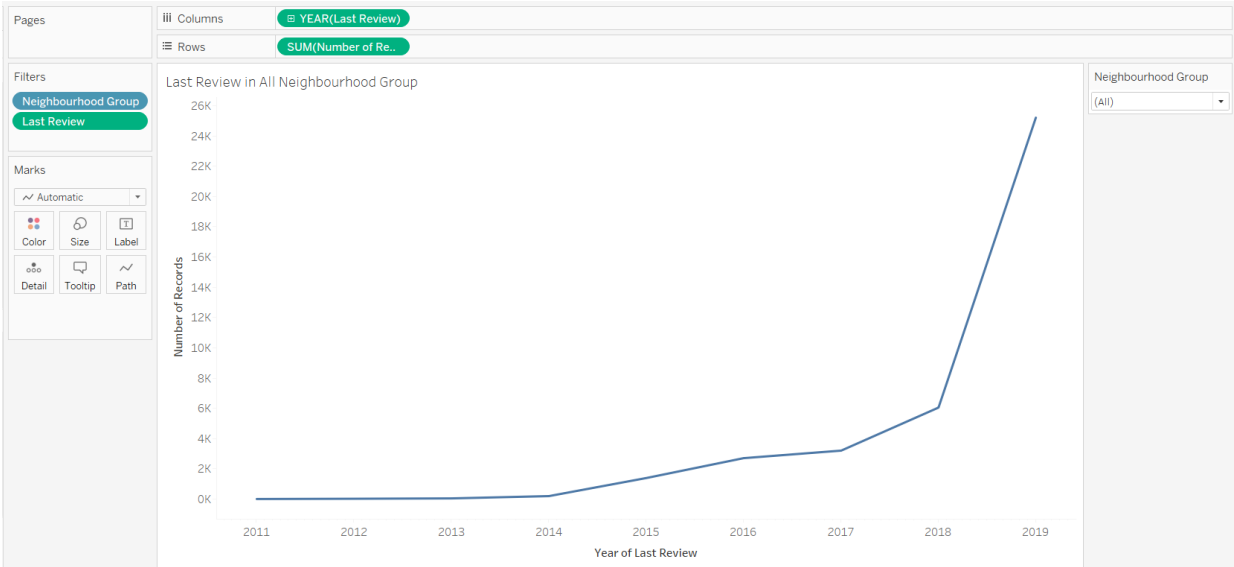
Parameter	Usage
Price	Finding most expensive neighborhood groups
Longitude & Latitude	Geographical analysis and plot maps
Last Review Date	Showing that New York Airbnb scene is active (line graph)
Count of Records	Analyzing count of records based on their last review dates, Records distribution among neighborhood groups (Supply proxy)
Number of Reviews	Reviews distribution among neighborhood groups (Demand proxy)
Average Availability	A proxy for supply (more availability could mean higher supply)
Minimum Nights	Used for analyzing the amount of landmarks and attractions of neighborhood

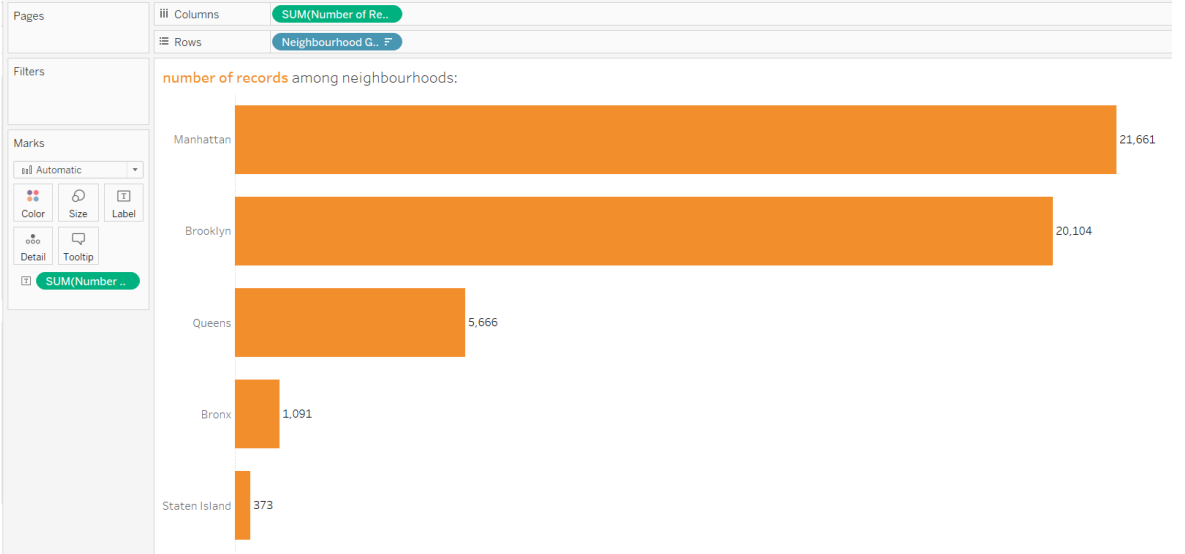
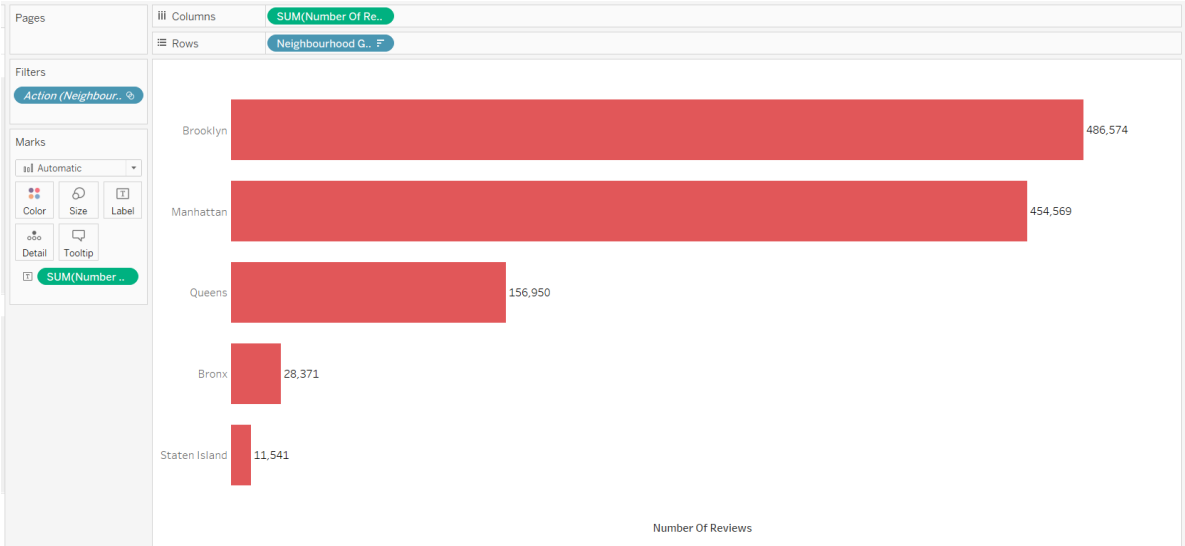
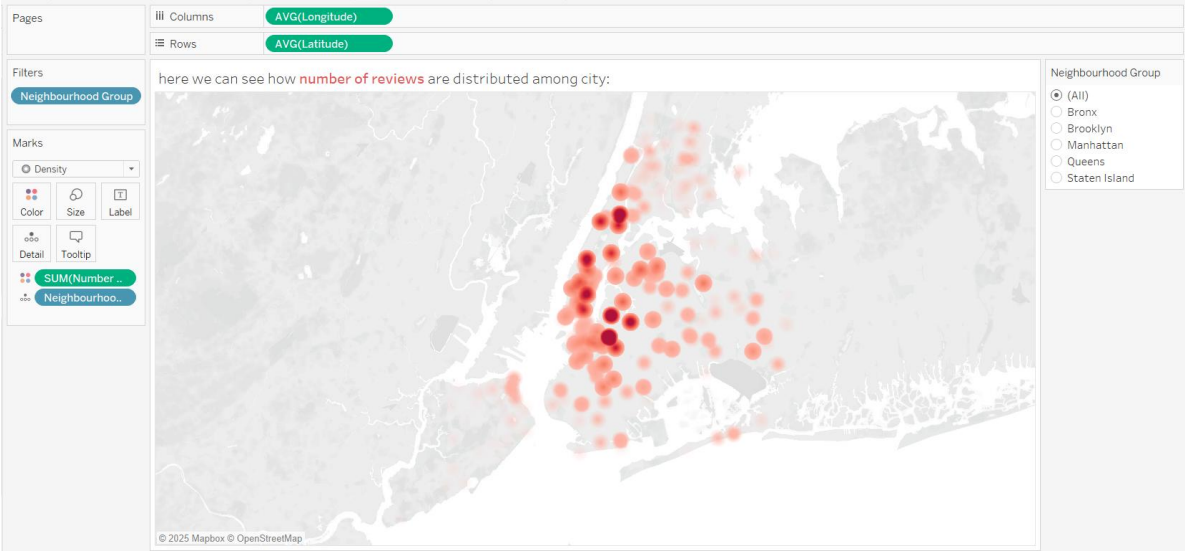
Filters: In most of dashboards, neighborhood group is used as a filter. This may be helpful because we are analyzing different aspects of data based on their neighborhood groups. So, if you scroll through the dashboards, you can see plots filtered by neighborhood groups with using interactivity of that dashboard.

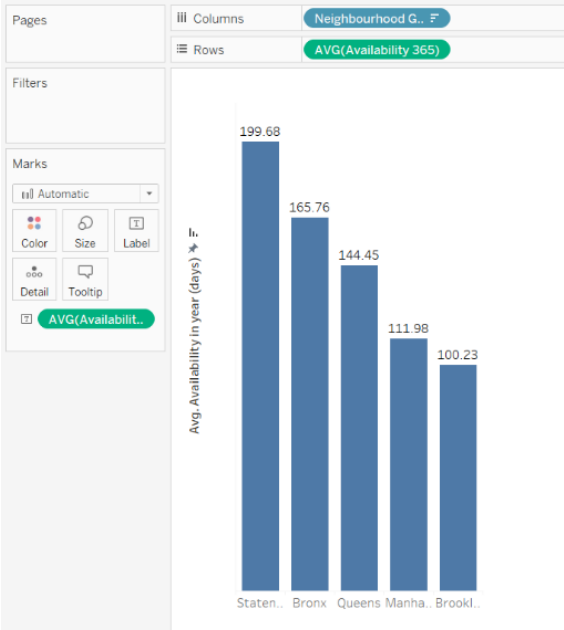
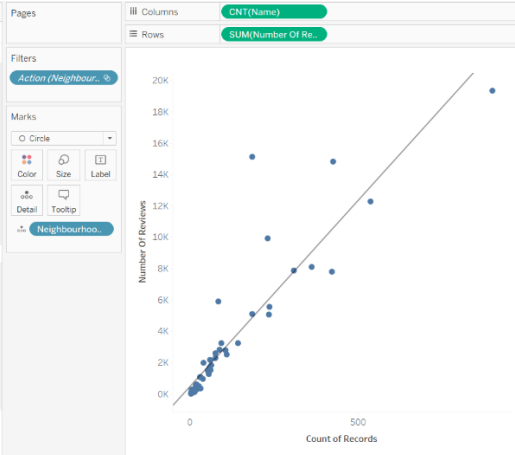
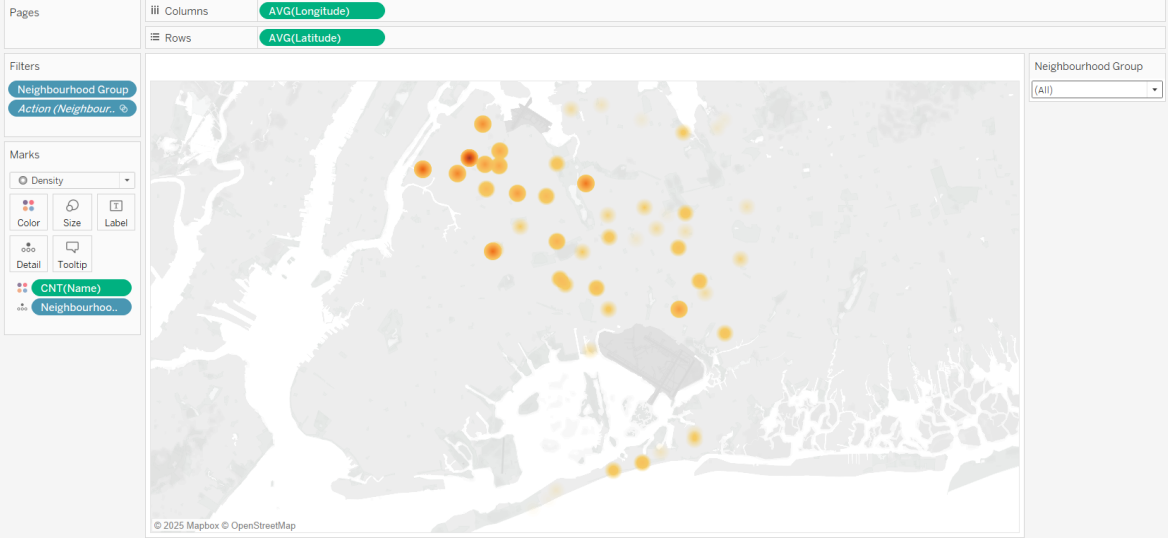
In some worksheets, null values are filtered. For instance, in last review date analysis, items with null dates are excluded because they are not useful in this case.

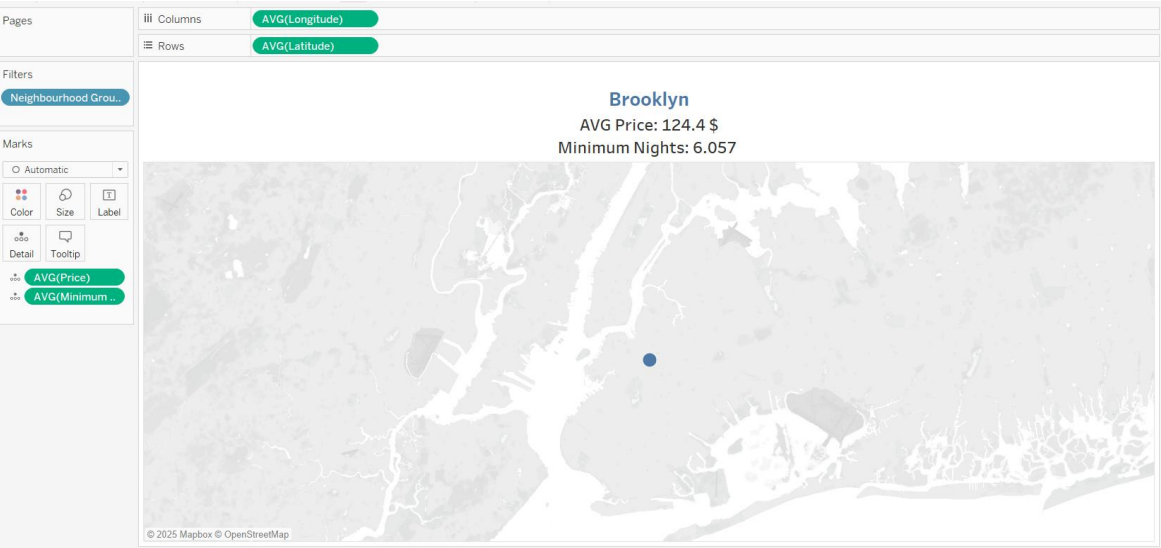
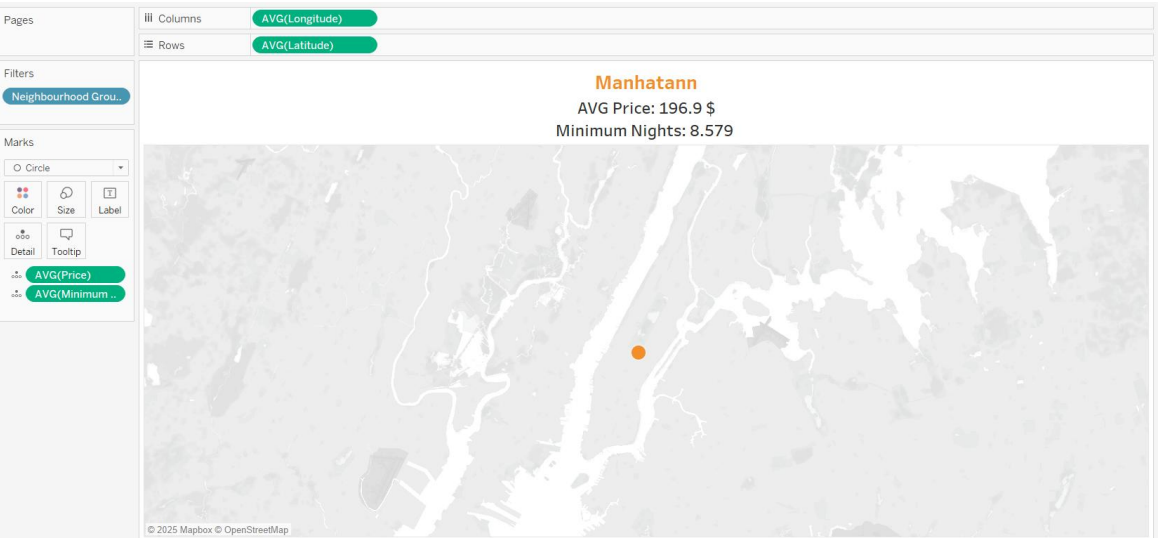
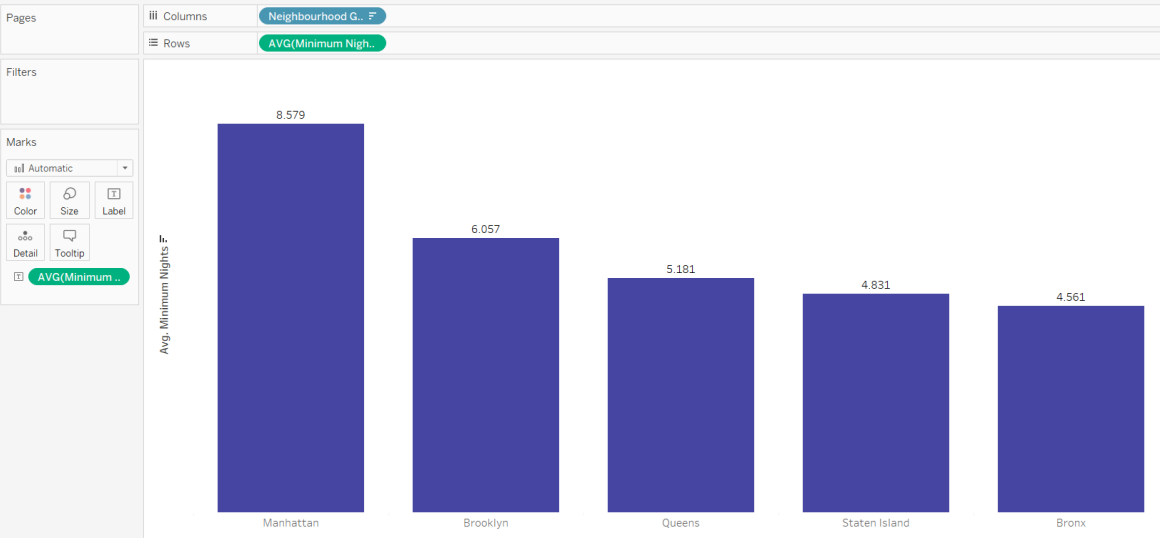
KPI: key performance indicator helps highlighting and summarizing important facts and values. We have used KPI for two most important neighborhood groups, Manhattan and Brooklyn, at the conclusion dashboard. Highlighting two important factors, average price and minimum nights, speaks for importance of these two neighborhoods and also guides the audience about an accommodation in Manhattan and Brooklyn.

Sheets used in the story:









There are also other worksheets and dashboards that have not been used in story. These plots have been used to collect insight of dataset and find some stories to tell. I decided not to delete those sheets to save the work flow and finding story thinking path. These sheets are available in the shared workbook.