EDA on Airbnb Dataset

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Project Contribution:
1. Data Wrangling – Handled Null Values, assigning a Quarter from extracting month in last review column, Dropping unwanted columns (ID, last review)
2. Analysis against Neighbourhood Group
3. Analysis by variation of price, reviews and availabilities
4. Analysis against minimum nights to stay
5. Analysis against quarter
6. Analysis against reviews
7. Plot correlation matrix
8. Plot location, analysis on geographical advantages

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Project Contribution:
1. Data Wrangling – Handled Null Values, assigning a Quarter from extracting month in last review column, Dropping unwanted columns (ID, last review)
2. Analysis against Neighbourhood Group
3. Analysis by variation of price, reviews and availabilities
4. Analysis against minimum nights to stay
5. Analysis against quarter
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7. Plot correlation matrix

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Project Contribution:
1. Data Wrangling – Handled Null Values, assigning a Quarter from extracting month in last review column, Dropping unwanted columns (ID, last review)
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Please paste the GitHub Repo link.

GitHub Link: - https://github.com/Ankittgup/Airbnb-data-analysis

Project Summary

Airbnb is an American Company since 2007, it is an online marketplace that connects people who want to rent out their homes with people who are looking for accommodations in specific localities.

We have our dataset from Airbnb based on New York. New York is amongst the most expensive places to live in USA. We would like to perform an in-depth analysis on one of the most densely populated cities of world. Our dataset is feature rich containing, location with co-ordinates, prices, host name, room types, availability throughout season. From these features we've tried to extract information like most expensive places and luxury to live in New York, is location really varies with Month of the year, what type of room people tends to choose most, is there any particular season for tourists or local when we can follow a surge in prices.

We have performed data wrangling, handled null values, created new feature from last reviewed date. Also, we've plotted Top most Profitable host and also focused on neighbourhood groups or large area of NY rather than small neighbourhoods. We were not able to perform quality analysis due to the lack of data, but can conclude that Manhattan and Brooklyn are of the most expensive areas of NY, people live a lavish life and tends not to prefer shared rooms even if shared rooms are the cheaper. We can understand in the middle of the year there is a surge in Price. Also, if properties will have great facilities the place will be occupied automatically, so there should be a greater concern to improve the quality and standards of the properties to provide great luxury and comfort to the customers.