# Airbnb Analysis:

**Challenges faced:**

* While doing the analysis we found out that 36% data as 0 availability in the availability\_365 colum.this anextreme case .but we didn’t have other requried data so we couldn’t alter this column.
* Further I found that there were many listings whose listings price was 0,which is not normal.so, I filled these values by te respective median price and updated the price column
* While getting the host\_name with the highest listings I found out that there are many hosts whose names are the same so I went by host\_id asd this is unique,host\_name is not uique.
* There were many outliers in the price column of same hosts which weren’t benefitting the host as well as the customer.

**Conclusion:**

1)This Airbnb dataset for the 2019 year appeared to be a very rich dataset with a variety of columns that allowd me to deepdata exploration on each significantcolumn represented.  
2)First I  have founded that hosts that takes takes good advantage of the Airbnb platform and provide the most listings;I found that our top host has 27 listings.  
3)sonder(NYC) host is having most number of listings  on Airbnb in NYC.

4) Entire home/Apartment or private room.the people who prefer to stay in private\_room are likely to stay for a longer ,whereas people who prefer to stay in private\_room are likely to stay for  a shorter period of time than the people who prefer to stay in entire home/apartment .Most of the listings on Airbnb in NYC are either

5)keeping the high price of the listing and have 0 availability isn't benefitting the host as theconsumer is ready to pay the price but even after that there are no available rooms then what's the benefit of paying such a premium.

6)overall, I discovered a very good number of intresting relationships between features and explained each step of the process.