**Methodology For Case Study Airbnb**

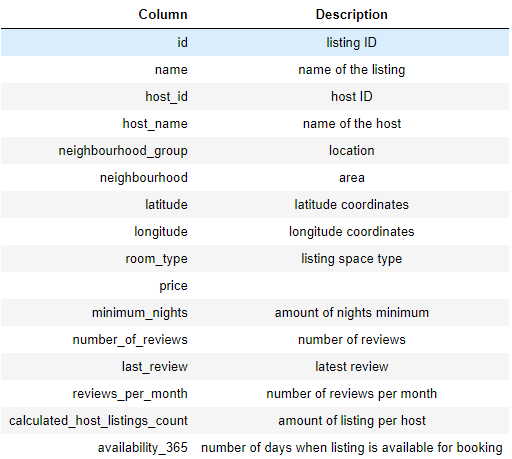


1. Understanding problem, data, objective:

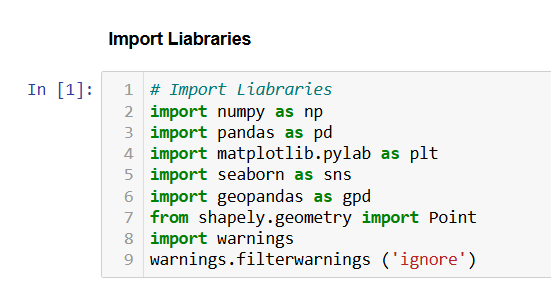
* Airbnb has experienced a significant decline in revenue over recent months, likely due to reduced travel demand.

1. Understanding the Data- This data includes all Airbnb listings in New York city. Contains detail such as host information, property type, price, location, availability, and customer reviews.

Data Dictionary



1. Discussing about Tools required: Python, Excel, PowerBI, Tableau, QGIS.
2. Import required libraries-



1. Checking data type, basic statistic:

* .shape, df.describe(), df.

1. Checking duplicates values
2. Checking null values
3. Filled Null values
   * Filled 'name', 'host\_name' as ‘Unknown’.
   * Filled Null values as 0 >> Because number\_of\_reviews column having 0 value, so reviews\_per\_month will be 0.
4. Changing data format to date
5. Creating New Columns > Year & Month
6. minimum\_nights capping at 500
7. export to .csv

**PowerBI, Tableau**

1. Importing data
2. Insights