

Project Description

Business Context

Since 2008, guests and hosts have used Airbnb to expand on travelling possibilities and present a more unique, personalised way of experiencing the world. Today, Airbnb became one of a kind service that is used and recognized by the whole world. Data analysis on millions of listings provided through Airbnb is a crucial factor for the company. These millions of listings generate a lot of data - data that can be analysed and used for security, business decisions, understanding of customers' and providers' (hosts) behaviour and performance on the platform, guiding marketing initiatives, implementation of innovative additional services and much more. This dataset has around 49,000 observations in it with 16 columns and it is a mix of categorical and numeric values. Explore and analyse the data to discover key understandings.

Dataset Description

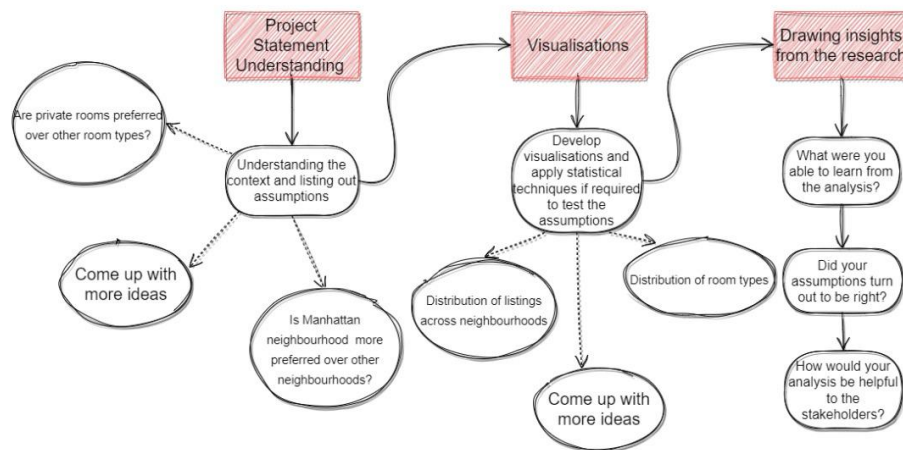
Dataset Description

Field	Description
id	Unique ID
name	Name of the listing
host_id	Unique host_id
host_name	Name of the host
neighbourhood_group	location
neighborhood	area
latitude	Latitude range
longitude	Longitude range
room_type	Type of listing
price	Price of listing
minimum_nights	Minimum nights to be paid for
Number_of reviews	Number of reviews
last_review	Content of the last review
reviews_per_month	Number of checks per month
calculated_host_listing_count	Total count
availability_365	Availability around the year

Main Libraries to be used:

- Pandas for data manipulation, aggregation
- Matplotlib and Seaborn for visualisation and behaviour with respect to the target variable. Use at least 5 different visualisations.
- NumPy for computationally efficient operations

Project Architecture:



[Data set](#)