NEXIS NYC Airbnb Data Science Project
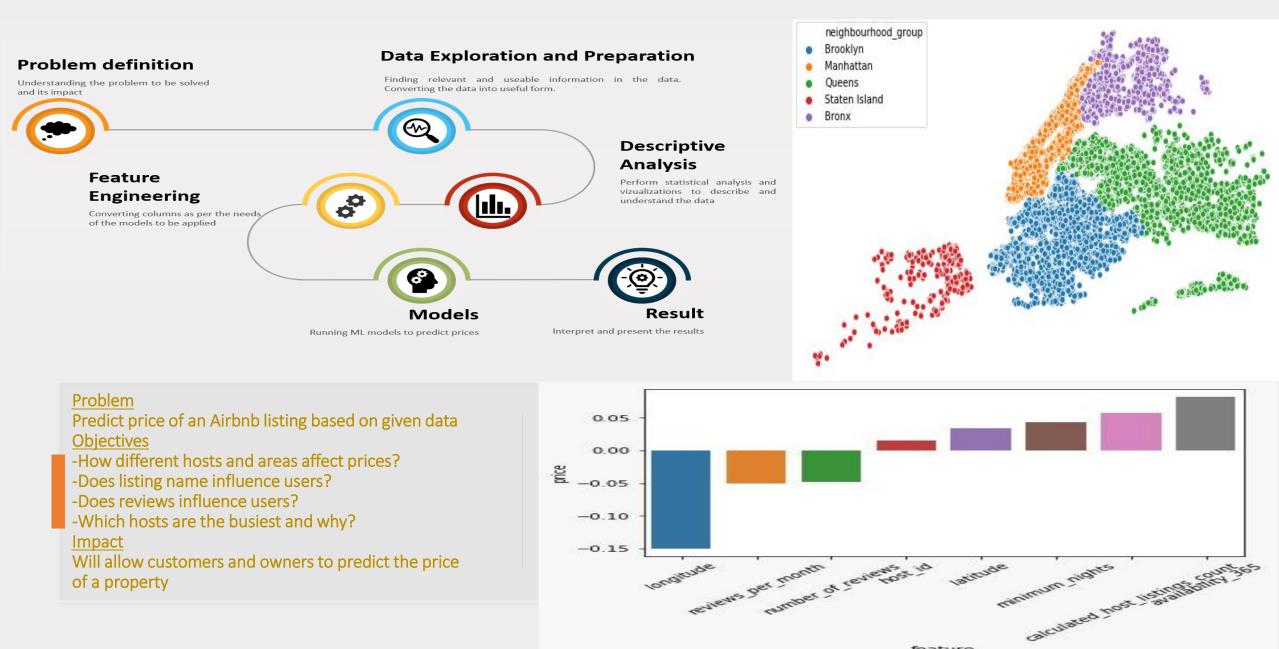

Problem definition

Understanding the problem to be solved and its impact

Data Exploration and Preparation

Finding relevant and useable information in the data. Converting the data into useful form.

Feature Engineering

Converting columns as per the needs of the models to be applied

Descriptive Analysis

Perform statistical analysis and vizualizations to describe and understand the data

Models

Running ML models to predict prices

Result

Interpret and present the results

Problem
Predict price of an Airbnb listing based on given data
Objectives
-How different hosts and areas affect prices?
-Does listing name influence users?
-Does reviews influence users?
-Which hosts are the busiest and why?
Impact
Will allow customers and owners to predict the price of a property