NYC AIRBNB
PROJECT PROPOSAL

Explore New York city Airbnb listing data and predict their rental prices

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1 Context

Since 2008, guests and hosts have used Airbnb to expand on traveling possibilities and present more unique, personalized way of experiencing the world. This dataset describes the listing activity and metrics in NYC, NY for 2019.

2 Criteria for success

Data exploration and performance evaluation of different ML models for predicting the airbnb rental prices.

3 Scope of solution space

The data file includes all needed information to find out more about hosts, geographical availability, necessary metrics to make predictions and draw conclusions.

4 Constraints within solution space

Exploring python libraries and various machine learning models.

5 Stakeholders to provide key insight

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Springboard team

6 Key data sources

CSV file obtained from kaggle website– Contains the information around 49000 observations with 16 columns and is a mix between categorical and numeric values.

H D E I P

Steps involved in problem solving

- Data Wrangling - Data Collection, Data Organization, Data Definition & Data Cleaning
- Exploratory Data Analysis
- Pre-processing & Training Data Development
- Modeling - Model Evaluation and Optimization