



# Airbnb PRICE PREDICTION

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## INTRODUCTION

Airbnb hosted over 60M people in 34000 cities across the world and continues to grow quickly. So the problem statement is to predict the price of Airbnb house based on multiple factors like locality, reviews per month, availability, room type, etc

## REQUIREMENTS

Python , Jupyter Notebook , Device Compatible with 4GB RAM.

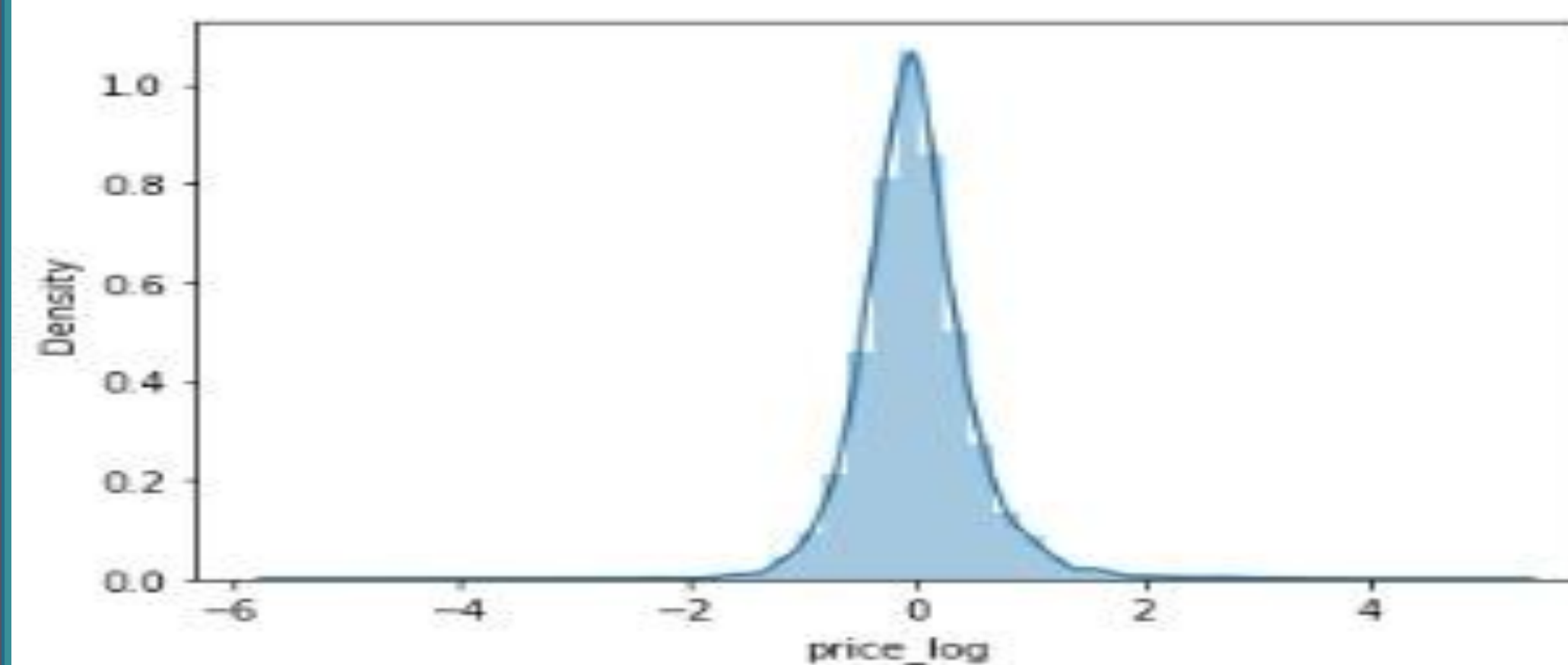
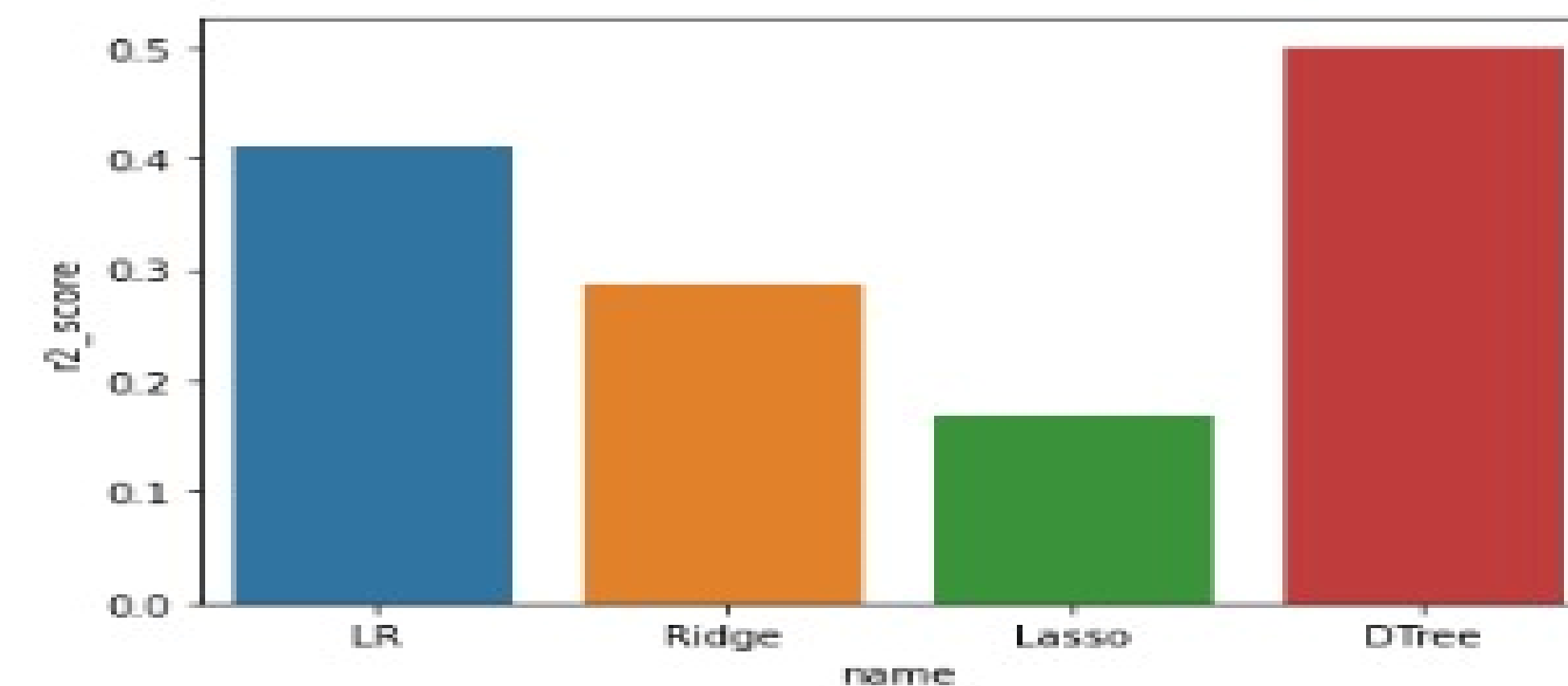
## SCOPE

- With the help of this project, Airbnb Home providers can find an equilibrium price that optimizes the profit and affordability.

## PROJECT OUTCOME

- Average price of Airbnb houses in Manhattan is 31% which is the maximum among all the neighborhood groups. The Bronx is the cheapest as its contribution to the pie chart is 14%.

## ANALYSIS



## REFERENCES

- Yu and J. Wu, "Real estate price prediction with regression and classification," CS229(Machine Learning) Final Project Reports, 2016
- Y. Ma, Z. Zhang, A. Ihler, and B. Pan, "Estimating warehouse rental price using machine learning techniques," International Journal of Computers, Communications & Control, vol. 13,no. 2, 2018.

## CONCLUSION

Machine learning including Linear Regression and Tree-based models predicts accurate results based on the attributes like Room types, ratings, and neighborhoods.

## Project Flow

