

Project Title - AirBnb Hotel Booking Analysis

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ID:- AICTE_VOIS OL 4001-6727-906





PROBLEM STATEMENT

Focus Area
- NYC Dataset

Significant insights for stakeholders.

Study Innovative Business Model

Insight into NYC's Lodging Trends

Explore Airbnb's

Market

Dynamics

- Out job is to uncover patterns and key drivers behind Airbnb's performance in New York City.
- helping understand market behavior, customer preferences, and pricing dynamics within the modern hospitality industry.



Project Description

- ❖ Used the **Airbnb NYC dataset** to study listings, prices, and availability.
- Cleaned the data by removing missing and duplicate records.
- Performed exploratory analysis to find key patterns and trends.
- Visualized insights on pricing, location, and host activity using Python tools.
- Explored what affects customer satisfaction and demand.
- Shared useful insights to help hosts, guests, and stakeholders make better decisions.

Notebook link

WHO ARE THE END USERS?



Hosts & Guests



Investors/
Shareholders



Tourism & Hospitality Analysts



City
Planners &
Policy
Makers

Technology Used





(libraries:- Pandas, Matplotlib, Numpy, Seaborn

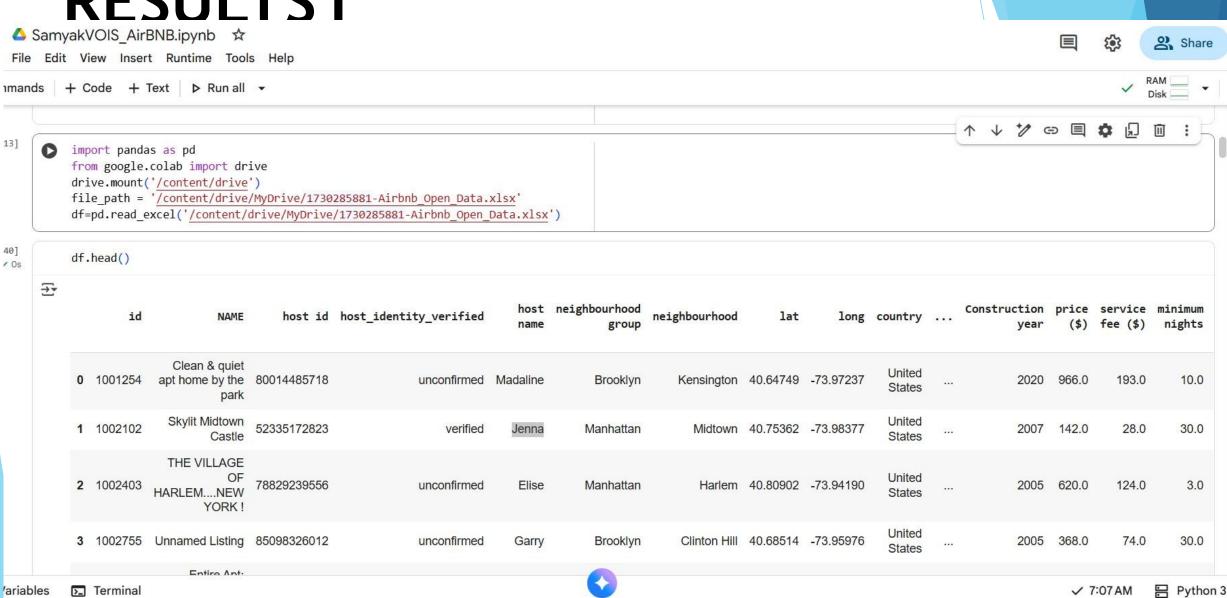
- **❖** Excel / CSV Dataset
- **❖** Google Colab (for execution)

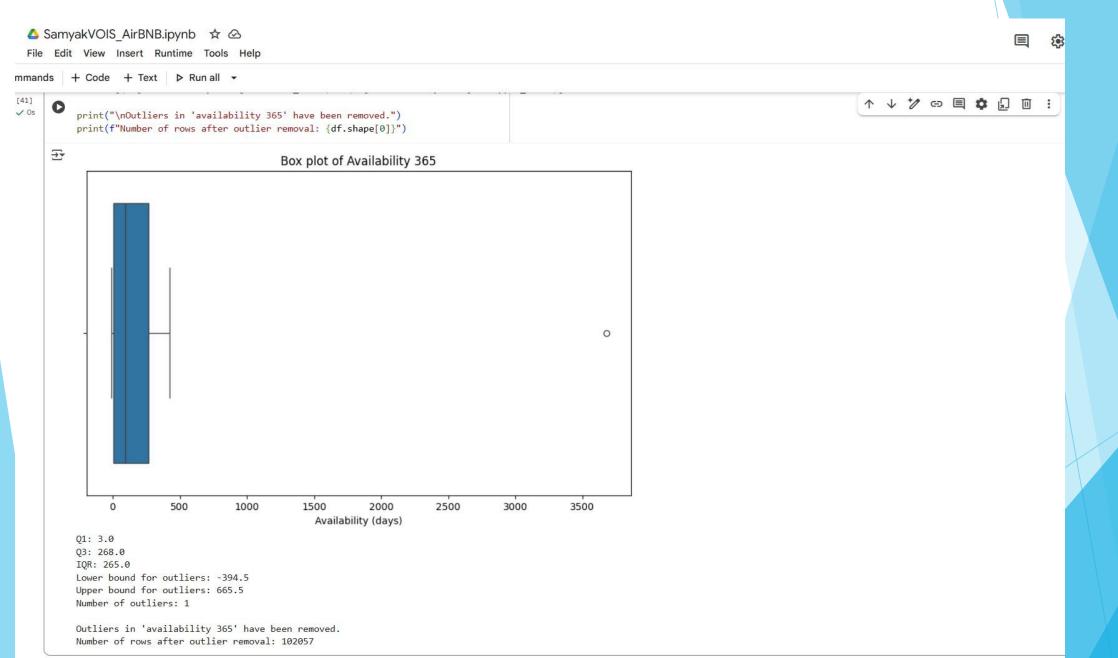


Github

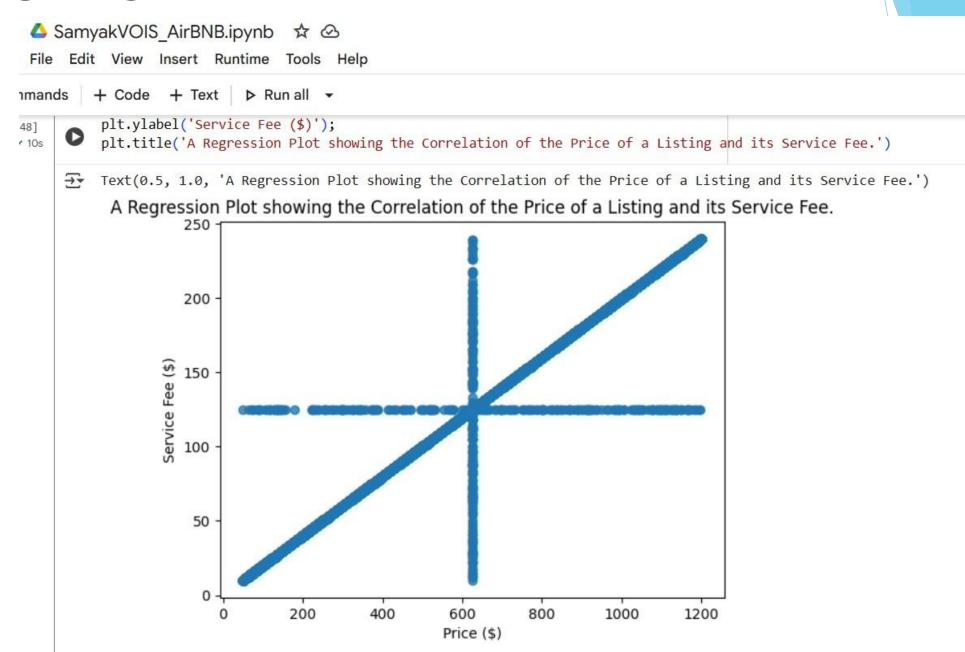












GitHub repository

https://github.com/SamyakDahale/VOIS_AICTE_Oct2025_SamyakDahale.git

<u>Link</u>

Getting started with Basics of Python Certificate



VOIS



Certificate of Completion

Presented to

SAMYAK DAHALE

For the successful completion of

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Data Visualization Certificate



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Thank you

