

Project Title	Travel Data Analysis
Technologies	Business Intelligence
Domain	Business Analytics
Project Difficulties level	Advanced

### Problem Statement:

Since 2008, guests and hosts have used AirBNB to expand on travelling possibilities and present more unique, personalized way of experiencing the world. This dataset describes the listing activity and metrics in San Diego, California for 2019.

#### Content

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

### Objectives: Research Questions

#### Regarding the Host

- Who are top earners
- Is there any relationship between monthly earning and prices

#### Regarding the Neighbourhood

- Any particular location getting maximum number of bookings
- Price relation with respect to location

#### Regarding the reviews

- Relationship between Quality and Price

#### Regarding Price

- Price vs amenities
- Price vs location

Find key metrics and factors and show the meaningful relationships between attributes.

Do your own research and come up with your findings.

### Dataset:

#### Reviews:

This dataset had information regarding the reviews with respect to listing id

**Listings:**

This data had all the information regarding the listings. It had Host name, location, neighbourhood, price, monthly price, review score and number of reviews

**Calender:**

This Dataset had past booking data

**\*\*You can join three tables together considering the common column Listing ID**

You can find the dataset on the given link

<https://drive.google.com/drive/folders/1g9GW-c66UyKh01pCey8vxO2y6fcJ-Nhy?usp=sharing>

<https://drive.google.com/drive/folders/1ANkgtAT0Pdp2r86lxFKv9vKYmnsYjJDO?usp=sharing>

**Approaches:**

Tableau, Power BI, Python or you can use any tools and techniques as per your convenience. We would appreciate your valid imagination in finding solutions

**Project Evaluation metrics:****Code: As per the requirements**

- You are supposed to write a code in a modular fashion
- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system)
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards: <https://www.python.org/dev/peps/pep-0008/>

**Database:**

- You are supposed to use a given dataset/resource for this project.

<https://drive.google.com/drive/folders/1g9GW-c66UyKh01pCey8vxO2y6fcJ-Nhy?usp=sharing>

<https://drive.google.com/drive/folders/1ANkgtAT0Pdp2r86lxFKv9vKYmnsYjJDO?usp=sharing>

## **Submission requirements:**

### **High-level Document:**

You have to create a high-level document design for your project. You can reference the HLD form below the link.

#### **Sample link:**

[HLD Document Link](#)

### **Low-level document:**

You have to create a Low-level document design for your project; you can refer to the LLD from the below link.

#### **Sample link**

[LLD Document Link](#)

**Architecture:** You have to create an Architecture document design for your project; you can refer to the Architecture from the below link.

#### **Sample link**

[Architecture sample link](#)

**Wireframe:** You have to create a Wireframe document design for your project; refer to the Wireframe from the below link.

#### **Demo link**

[Wireframe Document Link](#)

### **Project work:**

You will have to share the Tableau Public Link of your work

You have to submit your code GitHub repo in your dashboard when the final submission of your project.

#### **Demo link**

[Project code sample link :](#)

### **Detail project report:**

You have to create a detailed project report and submit that document as per the given sample.

#### **Demo link**

[DPR sample link](#)

### **Project demo video:**

You have to record a project demo video for at least 5 Minutes and submit that link as per the given demo.

#### **Demo link**

[Project sample link :](#)

### **The project LinkedIn a post:**

You have to post your project detail on LinkedIn and submit that post link in your dashboard in your respective field.

#### **Demo link**

[Linkedin post sample link :](#)



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