



<b>Project Title</b>	AtliQ Hospitality Analysis
<b>Technologies</b>	Data Science
<b>Domain</b>	Travel and Tourism
<b>Project Difficulties level</b>	Advanced

### **Problem Statement:**

Atliq Grands owns multiple five-star hotels across India. They have been in the hospitality industry for the past 20 years. Due to strategic moves from other competitors and ineffective decision-making in management, Atliq Grands are losing its market share and revenue in the luxury/business hotels category. As a strategic move, the managing director of Atliq Grands wanted to incorporate “Business and Data Intelligence” in order to regain their market share and revenue.

However, they do not have an in-house data analytics team to provide them with these insights. Their revenue management team had decided to hire a 3rd party service provider to provide them with insights from their historical data.

### **Case Studies:**

- Filters by properties, city, status, platform, month and week.
- Revenue, Occupancy % and Average rating cards.
- Split by City, Property by key metrics.
- Trends by week, Occupancy by day type, Booking % by platform.

## **Dataset:**

Dataset is available in the given link. You can download it at your convenience.

[Download Data](#)

## **Approaches:**

Python, Tableau, Power BI 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 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)

## **Submission requirements:**

### **Project work:**

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

**For Python:** You have to submit your code PDF file at the final submission.

## **Detail project report:**

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

### **Demo link**

[Sample Project Report](#)