

## **Coding Challenge-1**

### **Key factors that affect Airbnb pricing:**

- Customers are quite satisfied with the amenities and services offered by Airbnb, as seen by the high overall guest satisfaction and cleanliness ratings in all of the cities.
- Distance from the city centre and the metro. People frequently reserve lodging near the metro.

### **Weekdays and Weekends are compared:**

- During weekdays and weekends, there isn't much of a variation in the general guest rating or the cleanliness rating.
- As is normal, prices are a little bit more on the weekends.
- It seems unexpected that Athens and Paris are more expensive during the week than on the weekends.

### **Cities that are inexpensive and costly:**

- The lowest average price in Athens is \$155 during the week and \$147 during the weekend. Budapest is the second most affordable city in terms of cost of living.
- The average cost of a day in Amsterdam is \$545 during the week and \$604 on the weekends. Prices are probably going to be high because the Netherlands is its capital city.

### **Essential factors to consider while booking occupancy:**

- Quantity of bedrooms
- How far it is from the city centre.
- Distinction from Metro
- Apartment/Home Kind of Room