**Hotel Booking Analysis**

**Sundar K**

**Data Science Trainee**

**AlmaBetter**

**Introduction**

When we hear about hotel booking we used many application for hotel booking. The main few things I will usually consider include prices per night, distance of hotel from attractions and restaurants, availability of free breakfasts, scenery in hotel room, cleaniness of hotel room and of course, availability of free wifi. In this dataset, we ae able to know different types of bookings (i.e type of hotel, duration of stay, types of visitors, types of booking, etc).

**Problem Statement**

This data set contains booking information for a city hotel and a resort hotel, and includes information such as when the booking was made, length of stay, the number of adults, children, and/or babies, and the number of available parking spaces, among other things.

**Exploratory Data Analysis** This process helped us figuring out various aspects and relationships among the target and the independent variables. It gave us a better idea of which feature behaves in which manner compared to the target variable.

Our dataset contains a large number of null values which might tend to disturb our accuracy hence we dropped them at the beginning of our project inorder to get a better result.

**Conclusion**

Guests use different channels for making bookings out of which most preferred way is TA/TO

overall adr of City hotel is slightly higher than Resort hotel

Both hotels have significantly higher booking cancellation rates

July- August are the most busier and profitable months for both of hotels.

City Hotel is busier than Resort hotel

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| **GITHUB:** |