

Capstone Project Submission

Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)

The Hotel industry like any other business opens up socioeconomic opportunities for both owner and customer. It has the function of providing hospitality services to customers. We have given a dataset with the information like Number of Adults, Children and babies, their origin countries, customer type, Average Daily rate, length of stay and so on. The main Objective of my analysis is to provide factors that govern the bookings, help to understand what is the best time to book the hotel room and so on.

First I perform Descriptive Analysis on dataset to understand the basics of dataset like shape of data, getting the datatypes and getting basic information about data.

Then I perform Data Wrangling over raw data , eliminated the null values and took the columns which are necessary and rename them for better understanding. Then I tried to find the correlation between different data and detect outliers present in data to avoid distortion in real results.

Then I perform Univariate Analysis on our dataset. In this I mainly focus on maximum customers are of which type, trying to find the top 10 countries having most number of customers, which year has maximum customers with respect to percentage and distribution channel through which mostly customers book their rooms.

Lastly I perform Bivariate Analysis , In this I tried to get the information like maximum number of customers preferred which type of hotel , analyze the cancelled bookings and best time to book the room in order to get the minimum Rate.

Team Member's Name, Email and Contribution:

Contributor's Role:

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1. Descriptive Analysis
2. Data Wrangling
3. Correlation between data and identifying outliers
4. Maximum customer type
5. Top 10 countries with maximum customers
6. Year having most customers
7. Maximum used Distribution Channel
8. Most preferred type of hotel
9. Analyze the cancelled bookings
10. Best time to book the room

Please paste the GitHub Repo link.

Github Link:- <https://github.com/kiranahire03/Hotel-booking-analysis>