Capstone Project Submission

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

when the best time of year to book a hotel room is? length of stay in order to get the best daily rate? This hotel booking dataset can help explore those questions. First, we explore the dataset. Then clean the data and check how many null values are present. We replace all the null values with zero. We also checked the total number of rows and columns present. Then we checked the statistical parameter by describing the method.
Next, we visualize the data with graph representation. First, we check the percentage of booking in each year and represent the value by the graph. Then compare the booking with hotels and year. We also represent the demand for various hotels.
Then we analyze that most people stay at night 2,3 nights then 1,4 by followed. The data also represent that in August month is most bookings happened, and January has the lowest booking.
As per the data representation we see that people are more preferred City hotels then Resort hotels. We have to more focus on city hotels.

Contributor Roles

1. **Rakesh Sahoo**

    - Upload dataset to Google colab and explain dataset to team members.
    - Analyze null values and filter them.
    - Data cleaning.
    - Correction of data types
    - Data wrangling
    - Data Visualizations
    - Technical Write up

- PowerPoint presentation
- Project summary

2. Lubna Zarin

- Upload dataset to Google colab and explain dataset to team members.
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3. Mahesh Patki

- Data wrangling
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4. Shahbaz Khan

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- Data wrangling

5. Githublink: You can open it for this keys (ctrl+click) on below link

• https://github.com/shahbazkhan112

6. Drive link:
https://drive.google.com/drive/folders/1lQ998JqsGjuYDOExS40TvkHaRCwROc82