Capstone Project Submission

Team Member's Name, Email and Contribution:

1. **Rajat Mishra**

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   Contribution:
   - Read the data set finding the Null data
   - Done all the data wrangling, added some extra column for getting clear result
   - Done the analysis on Booking preference
   - Done analysis for Cancelled booking
   - Plotted the line graph for ADR per month for years
   - Plotted the line graph for Price paid for stay for each month
   - Done the analysis on the basis of correlation map

Please paste the GitHub Repo link.

Github Link:- https://github.com/rajatmishra690/Hotel-Booking-Analysis-1.git

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 objective of this project is to deliver insights to understand to best time of place, with optimal price the tourist to choose the right hotel, right price, Proper and safe stay also it helps Hotel Management to take right decision for making any changes in service level.

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.

Step Involved:

Loading the dataset, Reading the data, Cleaning the data, EDA on basis of Dataset

Conclusions:

- City hotel have more preferred by customers rather than the resort hotel.
- In overall data and it is found that over 37% of booking were cancelled by the customers. Which is slightly high.
- Number of cancellations of City Hotel seems very higher than the Resort Hotel
- Number of arrivals seems to be high in year 2016 while the bookings seem to be less in 2015 and 2017
- As per line graph Price paid for stay for each month it is clearly seen that price paid by City hotel for month of July, August and September was less than the Resort hotels
- In the correlation map we can clearly observe that, stay in week nights was more than the weekend nights.