**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

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| **Team Member’s Name, Email and Contribution:** |
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| **Please paste the GitHub Repo link.** |
| Github Link:- <https://github.com/yusufkhanservicenow/Hotel-Booking-Analysis-Capstone-Project-in-Team.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)**   1. **Problem Statement (Provided in Dataset)**   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. All personally identifying information has been removed from the data.  ***“Explore and analyze the data to discover important factors that govern the bookings.”***   1. **Our Approach for the Analysis**   Following steps were taken to start the Analysis of the Data.   1. Data Cleaning: Checking for missing or null values in any of the columns. 2. Separating and generating distinct datasets for the two categories of hotels. (i.e., Resort and City Hotel) 3. After these necessary steps, we start our Analysis, which are given below:  |  |  | | --- | --- | | **Analysis No.** | **Result getting By the Analysis** | | **ANALYSIS # 1 :** Checking the Status of Reservation and the Repeated Guest of City Hotel and Resort Hotel | It helps the company to get the detail about the Check-out and Cancel Reservation Status | | **ANALYSIS # 2 :** Country Name from where most of the Guests are coming | This Analysis helps company to make a custom or attractive packages for the country from where less guests are coming | | **ANALYSIS # 3 :** Month Wise Bookings | By this Analysis Company can figure Out which month have less no. of bookings, and provide some offers in that months to increase the sales | | **ANALYSIS # 4 :** Bookings by Various Sources | By this, Company can get the sources of Booking and get the Idea on which platform they have to focus | | **ANALYSIS # 5 :** Monthly Cancellations | By this Analysis Company can figure Out which month have maximum number of cancellations so that they can have the Idea of Reason for Cancellation like month containing less holidays etc. | | **ANALYSIS # 6 :** Cancellations by Type of Customer | By this Insight, Company can easily focus on the type of Customers who cancel their Visit / Stay | | **ANALYSIS # 7 :** Duration of Stay of People | This is just for Information of the Duration of Stay | | **ANALYSIS # 8 :** Comparison of Duration of Stay in both types of Hotel | This Analysis provides the comparison by which company get to know that in which type of hotel, people like to stay more. | | **ANALYSIS # 9 :** Most Booked Accommodations Type | By this Analysis, company get to know, which accommodation type is highly booked, so that company can increase or decrease the types of accommodation in their property accordingly | | **ANALYSIS # 10 :** Booking Ratio of Type of Hotel | Finally, by this analysis, company get the Ratio of booking of Both type of Hotels | |
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