**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:** |
| Rinkesh Das  Email id- [rinkeshdas2001@gmail.com](mailto:rinkeshdas2001@gmail.com)  Contribution- Data Cleaning, Handling Outliers and Exploratory Data Analysis |
| **Please paste the GitHub Repo link.** |
| Github Link:- https://github.com/rinkeshdas01/Hotel\_Booking\_Analysis |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)**  **Problem Statement-** To analyze the various factors involved in the growth of the Hotel Industry.  The project involves the following steps:-   * Data Exploration * Data Cleaning * Exploratory Data Analysis (EDA)   After cleaning the data and performing various types of analysis we concluded that:-   * Most of the customers were tourists or travelers. * Most of the bookings were made through travel agents. * Also, Travel agents have the highest lead time so in case of urgent bookings GDS is preferred. * Bookings made through travel agents are more likely to be cancelled. * The highest ADR for Resort and City Hotel is in the month of August and May respectively. * Resort Hotel is more suitable for a long stay as compared to City Hotel. * The average waiting time for a booking is more in case of City Hotel. * Most number of guests come from Portugal, followed by Britain and France. * Most of the guests opt for Bed and Breakfast(BB) followed by Half Board (HB) meal type. * The average no. of special requests made in a booking is higher for Resort Hotel. * The average number of special requests is the highest when there are babies with the guests followed by children and the least number of special requests are made when the guests are adults. * Resort Hotel has higher room mismatch percentage as compared to City Hotel. * Most of the guests in both the hotels did not opt for a car parking space. This suggests that most of the guests were tourists. |
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