**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:** |
| Team Member Name – Sanjay Singh Rawat  Email – [sanjayrawat2468@gmail.com](mailto:sanjayrawat2468@gmail.com)  Contribution – Whole project is done all alone |
| **Please paste the GitHub Repo link.** |
| Github Link:- https://github.com/sanjayrawat2468/Hotel-Booking-Analysis/blob/main/Copy\_of\_Hotel\_Booking\_Analysis\_Capstone\_Project.ipynb |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-**  **400 words)** |
| **This project is about Hotel Booking Analysis, So here almost all the necessary or important points were mentioned in this project.**  **At the first step data wrangling is performed on the provided raw data named Hotel Bookings.**  **With the provided CSV file named Hotel Bookings data is divided into two different dataframes city hotel and resort hotel and then comparisons between these two dataframe were made on the basis of their data holdings.**  **Data is analyzed with different plot charts so that proper knowledge or outcome could be gained from that data.**  **Bookings were analyzed monthly and weekly wise over plotted charts and gets the answers like busiest month for the different hotels like city and resort hotels even gets the result that the weekend night or week day night gives higher ADR (Average daily rate) value as weekday nights booking were high over weekend nights booking .**  **Booking cancellation ratio is measured between city hotels and resort hotels where city hotels is the winner over both as well get insights for booking cancellation that could be one the reason for higher booking cancellation ratio.**  **Even the most preferred room was found room A among all the other rooms.**  **Also found that less number of repeated guests were made bookings so this can be a weak point bookings for repeated guests can be focused.**    **When data was analyzed monthly wise the insight was generated that months July and August gets higher bookings as it is summer time.**  **Also the most numbers of booking were made by country Portugal as data was analyzed country wise.**  **Heat map was also created for different data sets and the correlation was found among them.** |
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