**Capstone Project Submission**

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| **Team Member’s Name, Email, and Contribution:** |
| **Name** - Ajit kumar patel  **Email** - [ajit04022000@gmail.com](mailto:ajit04022000@gmail.com)  **Contribution –** Everything (Individual Project) |
| **Please paste the GitHub Repo link.** |
| Github Link:- <https://github.com/ajit04022000/Hotel-Booking-Analysis.git> |
| **Please write a summary of your Capstone project and its components. Describe the problem statement, your approaches, and your conclusions. (200-400 words)** |
| **problem statement:**   * Look at the data and try to find the booking pattern by several items like lead\_time, Arrival\_staus, etc, Once we found all these things then it’s helpful to manage resources priorly. * Look for the cancelation rate and see if there is any pattern that affects the Booking cancellation. And find a solution or method to reduce the cancelation rate. * Look at the data and find the approach to increase the profitability of Accommodation.   **Approaches :**   * At 1st Handel all the null values, Replace all null values in an appropriate manner * 2nd using different lenses(library) to view data across the segment. * 3rd to answer a few questions I sliced the data across various cuts with the help of group-by-function.   **Conclusions :**   * Resources Management: * Jan, Feb, March, Nov, and Dec are the least busy seasons. * Weekends are busiest as Comair to Weekdays. * Most people liked to order BB meals. * Child and babies are very less in the count. * Reduce Cancelation: * Hotel should charge some Advance(booking deposit) from people who have a lead time grate than 100 days. * Customers with the previous cancelation. * Large group bookings. |