Capstone Project Submission

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

| **Team Member’s Name, Email and Contribution:** |
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| 1] Shubham Sanklecha:-  [shubhamsanklecha400@gmail.com](mailto:shubhamsanklecha400@gmail.com)   * Data Wrangling: -   I) Finding Null Values “nan”  II) Replaced those null values with zeros.   * Data Preparation: -   I) Converting “float” Data Type into “integer”   * Booking Changes. * Reservation status. * Yearly Booking of Different Hotels. * The booking and cancelled status of different hotels.   2] Rohit Sakharkar:-  [rohitsakharkar11@gmail.com](mailto:rohitsakharkar11@gmail.com)   * Data Wrangling:   I)Finding the null values “Nan”.  II) Replaced those null values with Zeros.     * Data Preparation: -   I) Converting “float” Data Type into “integer”   * Merge “children”, “babies” and “adults” columns into “members” column * Confirmed booking * Customer type * Relation between price and month * Yearly booking of different hotels.   3] Nikita Negi:-  [nikitanegi4100@gmail.com](mailto:nikitanegi4100@gmail.com)   * Data Wrangling: -   I) Finding Null Values “nan”  II) Replaced those null values with zeros.   * Data Preparation: -   I) Converting “float” Data Type into “integer”   * Cancelled Bookings * Meals * Most preferred hotel percentage by customers * Monthly booking of different hotel   4] Ashish Yadav:-  [itsmeashu2000@gmail.co](mailto:itsmeashu2000@gmail.com)m   * Data Wrangling: -   I) Finding Null Values “nan”  II) Replaced those null values with zeros.   * Data Preparation: -   I) Converting “float” Data Type into “integer”   * Cancelled Bookings * Arrival Dates by Months * Year of Arrival * Market Segment.   5] Mithlesh Singh: -  [mks937449@gmail.com](mailto:mks937449@gmail.com)   * Data Wrangling: -   I) Finding Null Values “nan”  II) Replaced those null values with zeros.   * Data Preparation: -   I) Converting “float” Data Type into “integer”  II) Convert the data type into “string”   * Deposit type. * Average daily rate * repeated guests. * meals. |
| **Please paste the GitHub Repo link.** |
| Github Link:- <https://github.com/ShubhamSanklechaa/Hotel-Booking-Analysis.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 previous system for booking rooms were faced with so many problems like, delay in processing the customer booking or paying for rooms that is below or beyond his standard, causes difficulty for emergency booking because of these reasons we are providing some suggestions in our project which will help to analyzing the patterns available in the past data and important to help the hotels plan better. We will be using the data available to analyze the factors affecting the hotel bookings. These factors can be used for reporting the trends and predict the future bookings.  First up all We will be analyzing some key metrics for hotel bookings like   * Most preferred meal types * Country wise bookings * Type of rooms preferred by customers * Booking types, * Hotels available for booking * The revenue of the hotels * The number of cancellations * Reservation status * Monthly booking of different hotels * Repeated guests * Deposit type * Average daily rate   We done Exploratory Data Analysis (EDA) based on some questions like  1) From where the most guests are coming from?  2) Which are the busiest months?  After that we processing the data and analyze patterns associated with each segment and draw graphs according to the data given. In this way we done our project. |