**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

| **Team Member’s Name, Email and Contribution:** |
| --- |
| 1. Harsh Durugkar   Email :- [durugkarharsh@gmail.com](mailto:durugkarharsh@gmail.com)  Contribution on :- 1) Data Importing   * 1. ) Uploading on Drive   2. ) Give access to google colab   2 ) Find Missing value  3 ) Fill missing value  4 ) Decide what to find out from data.  Start EDA :-   1. Analysis on How many booking were canceled 2. What is the booking ratio between Resort Hotel and City Hotel ? 3. What is the percentage of booking for each year ? 4. Which is the most busy month for hotel ? 5. From which country most guest come ?   2 ) Shivangini Gupta  Email :- shivi9893@gmail.com  Contribution on :- 1) Data Importing   * 1. Make Directory to access data.   2) Find Missing Value  3) Check every value is fill or not.   1. Plan how to find out insight from data.   Start EDA :-   1. How Long People Stay in the hotel ? 2. Which was the most booked accommodation type (Single, Couple, Family) ? 3. How many guests repeated in hotel ? 4. Types of Customers ?   3 ) Rajesh Khangar  Email :- rkhangar1998@gmail.com  Contribution on :- 1) Data Importing  1.1 )Check data is uploaded or not in provided directory.  2) Find Missing Value  3) Check every value is fill or not.  4) Plan how to find out insight from data.  Start EDA :-  5) Meal Plan Of Customers.  6) Which agent makes highest no. of bookings ?  7) Which is the most preferred room type by the customers ?  8) Which Hotel type has the highest ADR ? |
| **Please paste the GitHub Repo link.** |
| Github Link:- https://github.com/shivaninigupta1212/Hotel-booking-analysis-EDA |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
| Hi I’m Harsh Durugkar. I complete this EDA Capston Project on Hotel Booking Analysis.  While making this project I’m mainly use python programming language and some python modules such as Pandas & Numpy for Data Wrangling and for Data visualization i use Matplotlib & Seaborn.  Hotel Industry is Highly Traffic Industry with Lakh of People with Lakh of Data and with collecting and maintain the information for analysing , give big benifit to Hotel Industry.  Our main target behind this project is to explore and then analyze the data for discover important factors and find out the insights to solve out problem in Hotel Management , So they easily observe advantages & weakness and perform campaigns to boost there bussiness as well as Performance.  After performing our EDA we find our conclusion .  1) There are near 37% Booking Cancelled By Customers & remaining 63% of Booking is Safe.  2) There are 61% of Booking done in City Hotel & remaining 39% of Booking done in Resort Hotel.  3) There are August Month is most busy month for Hotel & July is 2nd most busy month for hotel . If we compare , city Hotel is busy month than Resort in May, June, Aug, Sep, oct month and in Jan, Feb, Mar, april, july, nov & dec month busy for resort hotel more than city hotel.  4) Most Guest come from Portugal. Nearly 34% Guest come from portugal and united kingdom 2nd highest country with near 16% & France is in 3rd position with near 14% of guest.  5) Couple book hotel more than single & Family/Friends members. Ratio of couple for booking hotel is near 66% and for single is 22% and Family/Friends with 12% .  6) only 3% of guest repeated in hotel and remaining 97% of guest not repeated.  7) Transient Customer is mostly visited customer more than Transient-party , contract & Group.  8) Agent no 9 is make most number of booking with above 32000. Agent no 240 is in the 2nd position who has make booking more than 14000.  9) In visualization City Hotel is more ADR Than Resort Hotel. City hotel is with nearly 105 of adr & Resort is 85 of adr. More adr (average daily rate) means more revenue. so it means city hotels are generating more revenues than the resort hotels. |