**Capstone Project Submission**

|  |
| --- |
| **Team Member’s Name, Email and Contribution:** |
| NAME: POOJA POTDAR  EMAIL: [poojaptotdar38@gmail.com](mailto:poojaptotdar38@gmail.com)  Project Name: Hotel Bookings (EDA)  For this EDA , I have used “Hotel Bookings” dataset. This data set contains bookings information for a city hotel and resort hotel, and includes information such as when booking was made, length of stay, the number of adults, children, and babies and the number of available parking spaces among other things. In this I have explored the different insights about it. Some of the columns added together, after that date related column converted into date time. Preparing data to get different insights like cleaning data checking missing values after that handling missing values if missing values are more in percentage and if that feature is not important then directly dropping that feature and if feature having less missing values so we can replace it or we can directly drop that particular row. Once missing values are handled next step is checking outliers if any present by using box plot. After checking outliers. We can see outliers we remove outliers by using conditionals to get and update these values. Once data is cleaned I have done some visualization on such as confirmed bookings, canceled bookings, country, Month, market segment, meal, customer type, Reserved room Type like other things also.  According to my exploratory analysis and visualization:  The month of highest occupation is august with 11% of the reservations. The month of least occupation is January with 4% of reservations The bed & breakfast option is most popular. The room type “A” is most popular among the clients, with 71.99% of the reservations. There were 25,829 registered changes in booking during this period. 233,934 people have been registered in hotel. 7,342 car spaces have been used. Transients are most common customer type; they represent 75% of the total customer.  Conclusion:  1.Majority of guest come from western Europe countries.  2.The majority of reservations for city hotel.  3.The number of repeated guests is too low.  4.The majority of reservations converts into successful transactions. |
| Github Link:- https://github.com/poojapotdar38/EDA--Hotel-Bookings |