**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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| **Team Member’s Name:- Mohit Jain**  **Email:- jainmohit02.mj@gmail.com**  **Team Contribution:-**   1. **Imported all the libraries for data exploration, Sorting, Cleaning and Visualization.** 2. **Imported and mounted data set required for analysis from google drive to google co lab.** 3. **Exploring data set like number of columns and rows with heading and what is data type of each value using python libraries methods like Info(), shape, describe(),Head(),Tail().** 4. **Checked Null Value and enriched/dropped/replaced with appropriate value using basic business knowledge and requirement with help of mathematics rules.** 5. **With all the group members brainstorming, finalize some observations and their visualization with interpretation.** 6. **With the group help prepare a presentation.** 7. **Conclusion**   **Team member name :Chetan Patil**  **Email: chetanpatil4160@gmail.com**  **Team contributions**   1. **Question Forming** 2. **which type of hotel preferred** 3. **Maximum booking country wise** 4. **Which type of market segment gives more booking** 5. **Which type of meal prefered** 6. **Work data visualization( chart like Bar chart)** 7. **Work on data cleaning** 8. **Work replacing null values** 9. **Add some new columns (kids, total visitors)** 10. **Find solutions for questions** 11. **Worked on conclusion** 12. **Presentation**   **Team member name: Rajesh Patil**  **Email:rajesh.patil775607@gmail.com**  **Team contribution:**  **1) Question forming**  **a)Which type of hotel has maximum booking?**  **b)which month has maximum and minimum booking?**  **c)what type of meal is preferred by the visitor at the time of hotel booking.**  **2)data cleaning**  **a)some columns have null values so helped to cleaned the data**  **3) data visualization by using line chart**  **a)Which type of hotel has maximum booking?**  **b)which month has maximum and minimum booking?**  **4)technical document preparation**  **5) data visualization by using pie chart**  **a)what type of meal is preferred by visitors at the time of hotel booking.**  **6)Helped to make Presentation ppt**  **7)conclusion**  **Team member name : Siddharth Choury**  **Email:**  **Team contributions**  **1) Question forming**  **a) Analyze which Year has the highest booking and waiting list.**  **b)Analyze visitor preference to stay on weekdays or weekend.**  **c)Analyzed customer repetition percentage.**  **d) Analyze which method of booking is preferred by the visitor.**  **2) Work on Presentation preparation and its interpretation.**  **3) Work on conclusion.** |
| **Please paste the GitHub Repo link :** |
| GithubLink:- **https://github.com/chetanpatil4160/Hotel-Booking-Analysis** |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
| **Hotel Booking Is Widely Spread Business In India And All Over Globe In Recent Time. Therefore Two Types Of Hotel Is Considered In This Project That Are City Hotel And Resort Hotel. In This EDA Project We Were Provided with One Dataset i.e. Hotel Booking**  **As The First Step, We Perform Data Wrangling Over The Raw Data. Like Data Cleaning, Identifying The Column And In What Amount That Column Contains Null Value And Which Column Required For Further Processing.**  **Also We Add Some Column In The Dataset For Processing Like Total Visitors And In That Column We Drop Rows In Which Total Visitors Are Equal To Zero**  **In Hotel Booking Analysis We Mainly Focus On Hotel Type, Month’s of Booking, Country, Type Of Meal Provided By, Year Wise Booking, Market Segment, identify Type Of Room Preferred By Visitors And Also Identify When Visitors Want To Stay In Hotel like On Weekdays Or On Weekend Days.**  **Using Above Information We Plot Graph Showing Which Type Of Hotel Are Preferred By Visitors, From Which Country Most Visitors Visited And Others**  **Conclusion**   1. **From The Observation we find that city Hotel Are Busiest Hotel As Compared To Resort Hotel** 2. **Precisely From Month July And August Are Busy And From Year 2016 Is Busy** 3. **From Observation We Find That room type A is preferred by visitors and BB type of meal preferred at the time of booking** 4. **From Analysis We find that in dataset Customer retention rate is very less** 5. **From Total countries the Portugal city has maximum booking followed by Great Britain and France** 6. **From Analysis We Can Conclude That Repeated Guest Are Mostly Falling Under the corporate Sector Followed by Direct And Online,Offline TA/TO** |