**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

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| **Team Member’s Name, Email and Contribution:** |
| 1. 1) Rohit Raj ([rj14771@gmail.com](mailto:rj14771@gmail.com)): 2. Data Wrangling :  * - hotel * - is\_canceled * - arrival\_date\_year * - arrival\_date\_month  1. Percentage of bookings done in different hotels. 2. Total bookings done in different Years. 3. Total bookings done in different months. 4. Total Number of Bookings Cancelled in different months. 5. Total Number of Non-Cancelled Bookings in different months.      1. 2) Swen Fereira ([swenfereira@gmail.com](mailto:swenfereira@gmail.com)) 2. Data Wrangling :  * - stays\_in\_weekend\_nights * - stays\_in\_week\_nights * - meal * - reserved\_room\_type  1. No of days customers prefer to stay in week night. 2. No of days customers prefer to stay in weekend night. 3. Most preferred meal type by customers. 4. No of customers making special Request. 5. Most preferred room type.        1. 3) Nikhik Machave ([machavenikhil@gmail.com](mailto:machavenikhil@gmail.com)) 2. Data Wrangling :  * - Country * - deposit\_type * - market\_segment * - agent  1. Top 20 countries. 2. Deposit Type most customer choose. 3. Booking Cancellations from Market Segment. 4. Non Cancelled bookings from Market Segment. 5. Agent(id) booking the most number of hotels.        1. 4) Sameer Talashhilkar ([sameer026@gmail.com](mailto:sameer026@gmail.com)) 2. Data Wrangling :  * - Adr * - is\_repeated\_guest * - lead\_time  1. Room type with high average price. 2. Month-wise revenue. 3. Optimal length to stay. 4. No of repeated guests. 5. Correlation between features. |
| **Please paste the GitHub Repo link.** |
| Github Link:- <https://github.com/Link/to/Repo> |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
| In  this  EDA  project ,  we  are  doing  Hotel  Booking  analysis  from  2015  and     2017 .  It contains  booking  information   for  city .  Hotel  and   resort hotel .  It  contains   information  such  as  when  the  booking  was  made ,  length  of  stay ,  number  of  adults .    Children’s  or  babies  also  the  number  of  available  parking.  In this project our aim is to find important factor for city and resort hotel for booking , booking cancellation and other parameter.  We  will  find  the  percentage  of  booking  in  hotels ,  total  booking  in  months ,  total  booking  cancel  in  months ,  room  type  and   market  segment   In  this  project  we  conclude  that  most  of  booking  are  cancelled  in  may  for  city  hotel  and  August  for  resort  hotel .      2016  is  the  highest  number   of  booking .  66.41%   and  33.59%  booking  done  in         city   and   resort   hotel .    Most    booking   were   made  from  July  to  august  and   least   booking  start  at  the  end   of   year  .  Portugal ,  UK , and  France  Spain ,    countries  from  most  guest  come.  For   Resort   hotel  ,   the  most   popular  stay   duration  is   three , two   one  four  days  for   city  hotel  most  popular   stay   duration  is  one  two   three   or a  weak while dealing with hotel bookings in different popular market players some crucial factors.    Contribute  like  type  of  hotel ,  room  type , price  when the booking was made, length of stay among other things.  As   for  the  prediction  of  cancellation  concerns  it  is  clear  that  better  result  can be  achieved  in  more   exhaustive  machine  learning   process  that  include  more model  into  considerations  besides  this   data  is  somewhat  limited. |