Project Proposal Hotel Booking

* **Abstract:**

Hotel booking Analysis and Prediction is the project related to exploratory data analysis EDA

This data set contains booking information for a city hotel and a resort hotel, and includes information such as when the booking was made, length of stay, the number of adults, children, and/or babies, and the number of available parking spaces, among other things

* **Question/Problem statement:**

What type of hotel has the largest number cancellation?

Which is the most reserved room type?

What is the most Type of meal booked?

* **Data Description:**

**Data size (It includes (119390) rows and (32) features such as:**

|  |
| --- |
| **Columns** |
| hotel, is\_canceled ,lead\_time ,arrival\_date\_year ,  arrival\_date\_month, arrival\_date\_week\_number,  arrival\_date\_day\_of\_month,stays\_in\_weekend\_nights,  stays\_in\_week\_nights ,adults, children,babies ,meal,  country ,market\_segment,distribution\_channel,  is\_repeated\_guest,previous\_cancellations,  previous\_bookings\_not\_canceled,reserved\_room\_type,  assigned\_room\_type,booking\_changes,deposit\_type,  days\_in\_waiting\_list, customer\_type, adr,  required\_car\_parking\_spaces,total\_of\_special\_requests,  reservation\_status,reservation\_status\_date |

* **Tools:**

Libraries: Pandas, Matplotlib, Seaborn