

Capstone Project Submission

Instructions:

- i) Please fill in all the required information.
- ii) Avoid grammatical errors.

Team Member's Name, Email and Contribution:

Team 'Blinders' Member details –

1. Uttam Mishra

Email – Outtammishra@gmail.com.

Contribution – Overlooked the whole project deliverables and was involved in creating notebook, presentation and GitHub commit.

2. Kshitij Singh

Email – kshitijex21@gmail.com

Contribution - Collected all relevant information and was involved in creating and editing notebook, presentation and GitHub commit.

GitHub Repo link.

Github Link:- <https://github.com/jehkshitiz/EDA-CAPSTONE-PROJECT->

Summary - Capstone Project 1 – EDA- Hotel Booking Analysis-

Problem Statement - Have you ever wondered when the best time of year to book a hotel room is? Or the optimal length of stay in order to get the best daily rate? What if you wanted to predict whether or not a hotel was likely to receive a disproportionately high number of special requests? This hotel booking dataset can help you explore those questions!

Approach – To analyze the data and get correct outcomes from it we first performed data cleaning. After cleaning the data we then removed all the null values present in the dataset. After that we identified which columns were to be used in performing exploratory data analysis. Then we formed a set of outcomes that would be required to get the information regarding problem statement. After which we started working on them one by one. Major challenge In the dataset was that it had more than one lakh rows so it was a pretty big data and their weren't any sorting or referencing present, it required careful exploration to get desired results. We took an approach of first getting the output of the said question and then used visualization tools to form a graph of the output. In this manner we were able to make our results more understandable and not too much detailed. Working on a project like this also involves collaboration with the team members and continuous work which was not a concern for us. We were able to do this project in collaboration and without any problem. Overall the project includes both tabular as well as pictorial representation which forms a clear picture of the analysis as soon as one takes a glance of it. Our project presentation has 31 slides in total which covers our analysis as a whole.