

A photograph of a tropical resort pool. The pool is a vibrant blue, with a curved edge in the foreground. Along the poolside, there are several lounge chairs and thatched umbrellas. Tall palm trees are scattered throughout the scene, and the sky is a clear blue with some white clouds. A large, curved, light blue graphic element separates the image from the text on the right.

HOTEL Booking demand

Cancellation Analysis

T5 Bootcamp Data Science Project - Nora Alsaadi

project goals

analyze cancellations in hotels, whether resorts or city hotels, to help devise new methods to reduce the consequent losses.

the results allow hotel managers to improve cancellation policies, define better overbooking tactics

Hotel Booking Demand

The dataset is provided in .CSV format ,from Kaggle contains
119390 rows and 32 columns

Process Data

01

Cleaning the
dataset

02

Dropping the
negative values

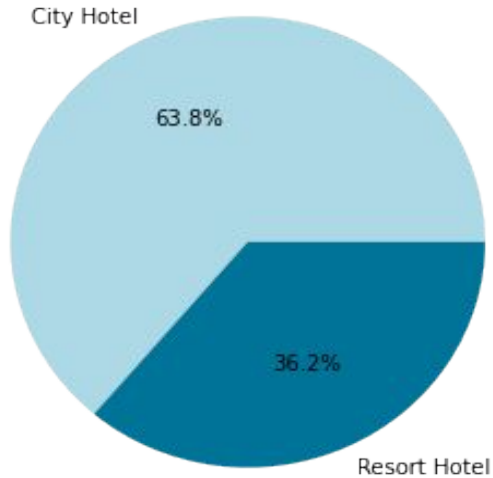
03

Dropping the
duplicates



Data Visualization

Hotel v No. of Guest



City Hotel

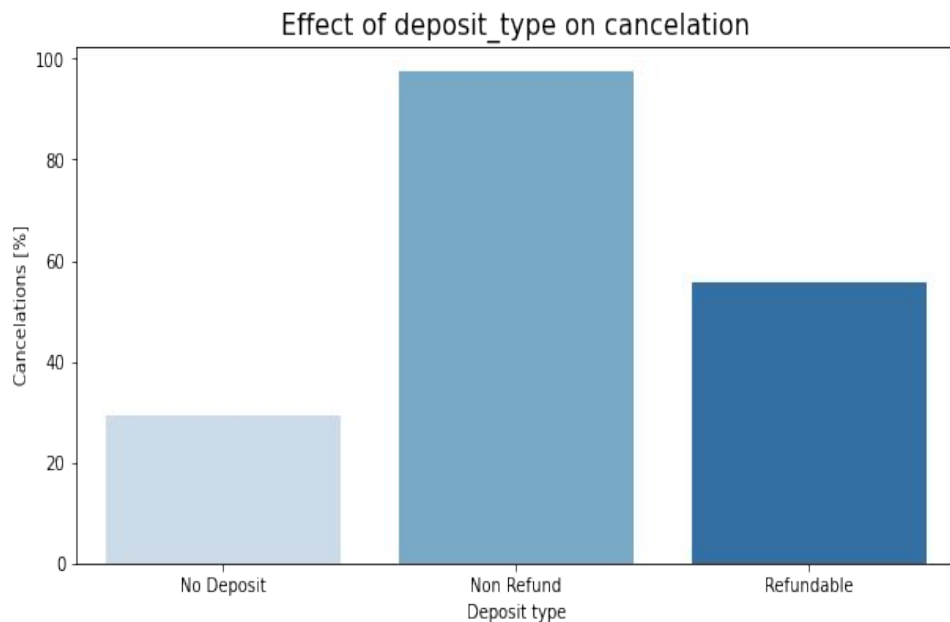
Is more No of guest



Resort Hotel

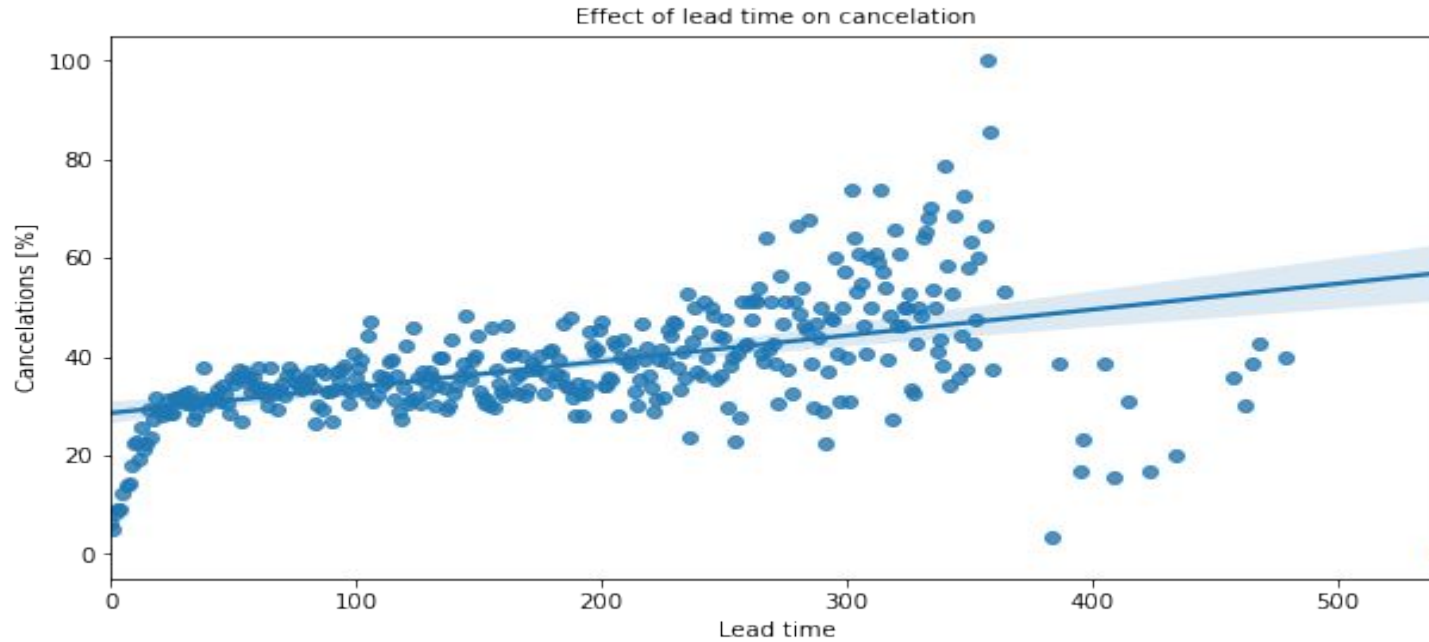
Is less No of guest

City hotel have more number of guest than resort hotel



- No deposit
- Non Refund deposit type
- Refundable

Over 99% of people who paid the entire amount upfront have canceled their hotel bookings



Bookings made a few days before the arrival date are rarely canceled, whereas bookings made over one year in advance are canceled very often.

The background features two large, overlapping, wavy shapes in shades of teal and blue, one in the top-left corner and one in the bottom-right corner, framing the central text.

THANKS
for your attention