**Hotel Booking Cancellation Prediction**

**About Dataset**

Welcome to the Hotel Booking Cancellation Prediction dataset, a comprehensive collection of data aimed at predicting hotel booking cancellations. This dataset is ideal for data scientists, researchers, and machine learning enthusiasts seeking to develop models that can accurately forecast the likelihood of hotel reservation cancellations.

Dataset Overview:  
This dataset comprises a diverse range of features, including booking details, customer information, and reservation specifics. The information has been meticulously gathered from real-world hotel booking scenarios, ensuring authenticity and relevance for predictive modelling.

**Booking\_ID -** Unique identifier for each booking

**number of adults -** Number of adults included in the booking

**number of children -** Number of children included in the booking

**number of weekend nights -** Number of weekend nights included in the booking

**number of week nights -** Number of week nights included in the booking

**type of meal** - Type of meal included in the booking

**car parking space -** Indicates whether a car parking space was requested or included in the booking

**room type** - Type of room booked

**lead time -** Number of days between the booking date and the arrival date

**market segment type** - Type of market segment associated with the booking

**repeated -** Indicates whether the booking is a repeat booking

**P-C -** Number of previous bookings that were canceled by the customer prior to the current booking

**P-not-C -** Number of previous bookings not canceled by the customer prior to the current booking

**average price -** Average price associated with the booking

**special requests -** Number of special requests made by the guest

**date of reservation -** Date of the reservation

**booking status -** Status of the booking ( canceled or not canceled)