

Hotel Reservations Dataset Explanation

Context

The online hotel reservation channels have dramatically changed booking possibilities and customers' behavior. A significant number of hotel reservations are called-off due to cancellations or no-shows. The typical reasons for cancellations include change of plans, scheduling conflicts, etc. This is often made easier by the option to do so free of charge or preferably at a low cost which is beneficial to hotel guests but it is a less desirable and possibly revenue-diminishing factor for hotels to deal with.

Detail

The file contains the different attributes of customers' reservation details. The detailed data dictionary is given below.

Column Name	Data Type	Description
Booking_ID	String	Unique identifier of each booking.
no_of_adults	Integer	Number of adults.
no_of_children	Integer	Number of Children.
no_of_weekend_nights	Integer	Number of weekend nights (Saturday or Sunday) the guest stayed or booked to stay at the hotel.
no_of_week_nights	Integer	Number of week nights (Monday to Friday) the guest stayed or booked to stay at the hotel.
type_of_meal_plan	String	Type of meal plan booked by the customer.
required_car_parking_space	Integer	Does the customer require a car parking space? (0 - No, 1- Yes)
room_type_reserved	String	Type of room reserved by the customer. The values are ciphered (encoded) by INN Hotels.
lead_time	Integer	Number of days between the date of booking and the arrival date.
arrival_year	Integer	Year of arrival date.
arrival_month	Integer	Month of arrival date.
arrival_date	Integer	Date of the month.
market_segment_type	String	Market segment designation.
repeated_guest	Integer	Is the customer a repeated guest? (0 - No, 1- Yes)
no_of_previous_cancellations	Integer	Number of previous bookings that were canceled by the customer prior to the current booking.
no_of_previous_bookings_not_canceled	Integer	Number of previous bookings not canceled by the customer prior to the current booking.
avg_price_per_room	Decimal	Average price per day of the reservation; prices of the rooms are dynamic. (in euros)
no_of_special_requests	Integer	Total number of special requests made by the customer. (e.g. high floor, view from the room, etc)
booking_status	String	Flag indicating if the booking was canceled or not.