

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. |