

About Dataset

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.

Can you predict if the customer is going to honor the reservation or cancel it ?

Data

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

Data Dictionary

****Booking_ID:**** unique identifier of each booking

****no_of_adults:**** Number of adults

****no_of_children:**** Number of Children

****no_of_weekend_nights:**** Number of weekend nights (Saturday or Sunday) the guest stayed or booked to stay at the hotel

****no_of_week_nights:**** Number of week nights (Monday to Friday) the guest stayed or booked to stay at the hotel

****type_of_meal_plan:**** Type of meal plan booked by the customer:

****required_car_parking_space:**** Does the customer require a car parking space? (0 - No, 1- Yes)

****room_type_reserved:**** Type of room reserved by the customer. The values are ciphered (encoded) by INN Hotels.

****lead_time:**** Number of days between the date of booking and the arrival date

****arrival_year:**** Year of arrival date

****arrival_month:**** Month of arrival date

****arrival_date:**** Date of the month

****market_segment_type:**** Market segment designation.

****repeated_guest:**** Is the customer a repeated guest? (0 - No, 1- Yes)

****no_of_previous_cancellations:**** Number of previous bookings that were canceled by the customer prior to the current booking

****no_of_previous_bookings_not_canceled:**** Number of previous bookings not canceled by the customer prior to the current booking

****avg_price_per_room:**** Average price per day of the reservation; prices of the rooms are dynamic. (in euros)

****no_of_special_requests:**** Total number of special requests made by the customer (e.g. high floor, view from the room, etc)

****booking_status:**** Flag indicating if the booking was canceled or not.