

The file `hotel_bookings.csv` contains the following data

- `hotel`: The type of hotel
- `is_canceled`: Indicates whether the booking was canceled
- `lead_time`: The number of days between the booking date and the arrival date
- `arrival_date_year`: The year of the arrival date
- `arrival_date_month`: The month of the arrival date
- `arrival_date_week_number`: The week number of the arrival date
- `arrival_date_day_of_month`: The day of the month of the arrival date
- `stays_in_weekend_nights`: The number of weekend nights (Saturday and Sunday) the guest stayed or booked to stay at the hotel
- `stays_in_week_nights`: The number of weeknights (Monday to Friday) the guest stayed or booked to stay at the hotel
- `adults`: The number of adults included in the booking
- `children`: The number of children included in the booking
- `babies`: The number of babies included in the booking
- `meal`: The type of meal booked (Bed and Breakfast, Half Board, Full Board, Self Catering)
- `country`: The country of origin for each guest who made a reservation
- `market_segment`: The market segment that individuals belong to when making reservations
- `distribution_channel`: The channel through which bookings were made
- `is_repeated_guest`: Indicates whether the guest is a repeated visitor
- `previous_cancellations`: The number of times guests previously canceled their bookings
- `previous_bookings_not_canceled`: The count of previous bookings made by guests that were not canceled
- `reserved_room_type`: The type of room initially reserved
- `assigned_room_type`: The type of room that was assigned to guests.
- `booking_changes`: The number of changes made to the booking.
- `deposit_type`: The type of deposit made for the booking.

- agent: The ID of the travel agency that made the booking.
- company: The ID of the company that made the booking.
- days_in_waiting_list: The number of days the booking was on the waiting list before being confirmed.
- customer_type: The type of customer (e.g., transient, contract, group, or other).
- adr: The average daily rate (price per room) for the booking.
- required_car_parking_spaces: The number of car parking spaces required by the guest.
- total_of_special_requests: The total number of special requests made by the guest (e.g., extra bed, room amenities).
- reservation_status: The status of the reservation (e.g., canceled, checked-in, no-show).
- reservation_status_date: The date on which the reservation status was last updated.