

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.