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STAT 120 – Statistics with R Final Project Dataset

Dataset Name: Hotel Reservations Dataset

Dataset link: <https://www.kaggle.com/datasets/ahsan81/hotel-reservations-classification-dataset?resource=download>

Dataset variables:

* **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 weeknights (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**: If the customer requires a parking space. (0 - No, 1- Yes)
* **room\_type\_reserved**: Type of room reserved by the customer.
* **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**: If the customer is 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 in euros
* **no\_of\_special\_requests**: Total number of special requests made by the customer.
* **booking\_status**: Flag indicating if the booking was canceled or not.