Field Name	Description	Type	Quality	Usefulness	Comments
hotel	Hotel type (City Hotel or Resort Hotel)	Categorical (string)	3	3	Clean and usable data, very useful for booking analysis.
is_canceled	Booking cancellation (1 = Yes, 0 = No)	Integer (0/1)	3	3	Clear binary variable, directly usable
lead_time	Days between booking and arrival	Integer	3	3	No missing values, essential for analyzing booking anticipation.
arrival_date_year	Year of arrival	Integer	3	2	Useful when combined with month for seasonal analysis.
arrival_date_month	Month of arrival	Categorical (string)	3	2	Helps identify seasonal trends, but often replaced by yearly analysis.
arrival_date_week_number	Week number of arrival	Integer	3	2	Less common in standard analysis, but useful for weekly trends.
arrival_date_day_of_month	Day of arrival	Integer	3	–	–
stays_in_weekend_nights	Nights stayed on weekends	Integer	3	–	–
stays_in_week_nights	Nights stayed on weekdays	Integer	3	3	Complements weekend stays to understand guest behavior

adults	Number of adults in booking	Integer	3	3	Clean and useful for customer segmentation.
children	Number of children in booking	Integer	2	3	Some nulls, should be replaced with 0 Very useful for family analysis
babies	Number of babies in booking	Integer	3	3	Usable without cleaning, relevant for family-specific needs.
meal	Meal type (BB, HB, FB, SC)	Categorical (string)	3	2	"Unknown" values need correction. Useful for pricing analysis
country	Guest's country of origin	Categorical (string)	2	3	NULLs may bia analysis. Very useful for international market insights.
market_segment	Market segment (Direct, Corporate, etc.)	Categorical (string)	3	3	Useful for analyzing booking sources and marketing strategies.
distribution_channel	Booking channel (Direct, TA/ TO, etc.)	Categorical (string)	3	3	Helps assess channel performance and adjust campaigns.
is_repeated_guest	Returning guest (1 = Yes, 0 = No)	Integer (0/1)	3	3	Clean and essential for loyalty analysis
previous_cancellations	Past cancellations	Integer	3	2	Often zero, not very

					differentiating
previous_bookings_not_canceled	Past confirmed bookings	Integer	3	2	Similar to above, useful for regular guest analysis.
reserved_room_type	Room type reserved	Categorical (string)	3	3	Useful for demand analysis and hotel offering optimization.
assigned_room_type	Room type assigned	Categorical (string)	3	3	Measures upgrade/ downgrade occurrences.
booking_changes	Number of booking changes	Integer	3	2	Useful for detecting gues uncertainty trends.
deposit_type	Deposit type (No Deposit, Non Refund, Refundable)	Categorical (string)	3	3	Helps understand guest commitment and risk tolerance.
agent	Booking agent ID	Integer	2	2	NULLs should be replaced. Useful for agent performance analysis.
company	Company ID for booking	Integer	1	1	Mostly NULL, relevant only for corporate segment.
days_in_waiting_list	Days on waiting list	Integer	3	2	Mostly zero, but exploitable in rare cases.
customer_type	Customer type (Transient,	Categorical (string)	3	3	Very useful for segmentation and pricing

	Contract, etc.)				strategies.
adr	Average Daily Rate	Float	3	3	Clean and essential for profitability an forecasting.
required_car_parking_spaces	Requested parking spaces	Integer	3	2	Few bookings affected, but useful for infrastructure planning.
total_of_special_requests	Number of special requests	Integer	3	2	Helps analyze service personalizatior usually low values.
reservation_status	Booking status (Check-Out, Canceled, etc.)	Categorical (string)	3	3	Essential for cancellation and confirmation trend analysis.
reservation_status_date	Date of reservation status	Date	3	3	Useful for tracking booking evolution and identifying trends.