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| **Feature** | **Description** |
| **Adults** | Number of adults. |
| **Agent** | ID of agency (if booked through an agency). The levels differ by hotel as each hotel has a list of agencies it works with. |
| **Babies** | Number of babies. |
| **BookingChanges** | Heuristic created by summing the number of booking changes (amendments) prior to arrival that could indicate cancellation intentions (arrival or departure dates, number of persons, type of meals, ADR, or reserved room type). Each variable change is counted as one change. For example, if the arrival date and number of persons were changed in a single operation, that would be counted as two changes. |
| **Children** | Number of children. |
| **Company** | ID of company/corporation (if an account was associated with it). The levels differ by hotel as each hotel has a list of companies it works with. |
| **Country** | Country ISO 3166 alpha-3 identification of the main booking holder. |
| **CustomerType** | Type of customer (group, contract, transient, or transient-party); the last category is a heuristic built when the booking is transient but is fully or partially paid in conjunction with other bookings (e.g., small groups such as families who require more than one room). |
| **DayOfYear** | Number representing the sequential day of the year. For example, January 1st is 1, and February 1st is 32. |
| **DaysInWaitingList** | Number of days the booking was on a waiting list prior to confirmed availability and confirmation as a booking. |
| **DepositType** | Since hotels had different cancellation and deposit policies, a heuristic was developed to define the deposit type (nonrefundable, refundable, no deposit): payment made in full before the arrival date was considered a “nonrefundable” deposit, and partial payment before arrival was considered a “refundable” deposit; otherwise it was considered as “no deposit”. |
| **DistributionChannel** | Distribution channel used to make the booking (e.g., OTA, Direct, Travel Operator). The levels differ by hotel, as each hotel works with different distribution channels. |
| **IsRepeatedGuest** | Binary value indicating whether the booking holder, at the time of booking creation, was a repeat guest at the hotel (0: no; 1: yes); created by comparing the time of booking with the guest profile creation record. |
| **LeadTime** | Number of days prior to arrival that the hotel received the booking (usually, the date when the booking was entered in the PMS). |
| **MarketSegment** | Market segment in which the booking was classified. The levels differ by hotel, as each hotel works with different market segments. |
| **RequiredCarParkingSpaces** | Number of car parking spaces required by the guest. |
| **TotalOfSpecialRequests** | Number of special requests made (e.g., fruit basket, sea view, etc.). |
| **Meal** | ID of meal the guest requested. The levels differ by hotel as each hotel works with different types of meals. |
| **ReservedRoomType** | Room type requested by the guest. |
| **StaysInWeekendNights** | How many nights of the total stay were on weekends (Saturday and Sunday)? |
| **StaysInWeekNights** | How many nights of the total stay were on weekdays (Monday through Friday)? |