Metadata for Hotel Dataset

This document provides a detailed overview of the columns included in the provided CSV files.

We have five datasets available for analysis:

1. dim_date

2. dim_hotels

3. dim_rooms

4. fact_aggregated_bookings

5. fact_bookings

Column Details for dim_date:

1. date: Contains the dates for the months of May, June, and July.

2. mmm yy: Displays the date in "Month Year" format (e.g., May 2024).

3. week no: Indicates the unique week number associated with each date.

4. day_type: Specifies whether a day is a "Weekend" or a "Weekday".

Column Details for dim_hotels:

1. property_id: Unique identifier for each hotel.

2. property_name: The name of the respective hotel.

3. category: Defines the classification of the hotel (e.g., Luxury or Business).

4. city: Indicates the city where the hotel is located.

Column Details for dim_rooms:

1. room_id: Represents the type of room (e.g., RT1, RT2, RT3, RT4).

2. room_class: Defines the class of the room (e.g., Standard, Elite, Premium, Presidential).

Column Details for fact_aggregated_bookings:

1. property_id: Unique identifier for each hotel.

2. check_in_date: Dates when customers checked into the hotel.

3. room_category: Specifies the type of room (e.g., RT1, RT2, RT3, RT4).

4. successful_bookings: Total number of successful bookings for each room type on a specific date.

5. capacity: Maximum number of rooms available for a particular room type on a specific date.

Column Details for fact_bookings:

1. booking_id: Unique identifier for each booking made by a customer.

2. property_id: Unique identifier for each hotel.

3. booking_date: The date when the booking was made.

4. check_in_date: The date when the customer checked in at the hotel.

5. check_out_date: The date when the customer checked out of the hotel.

6. no_guests: Number of guests who stayed in the booked room.

7. room_category: Specifies the type of room booked (e.g., RT1, RT2, RT3, RT4).

8. booking_platform: The platform through which the booking was made.

9. ratings_given: Ratings provided by customers for their stay and service experience.

10. booking_status: Describes the status of the booking (e.g., Cancelled, Checked Out, or No Show).

11. revenue_generated: The total revenue generated from a booking.

12. revenue_realized: The final revenue received by the hotel after deductions.

   - For "Cancelled" bookings, 40% of the revenue is deducted and refunded to the customer.

   - For "Checked Out" or "No Show" bookings, the full revenue is retained by the hotel.