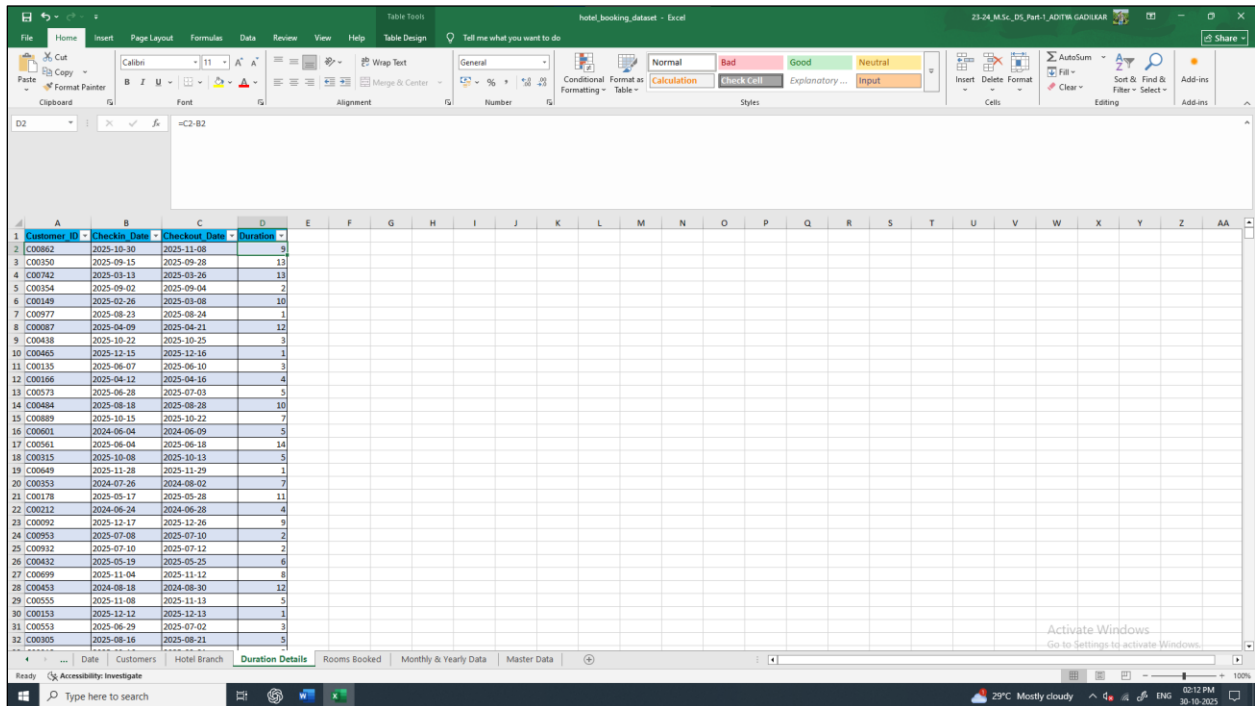


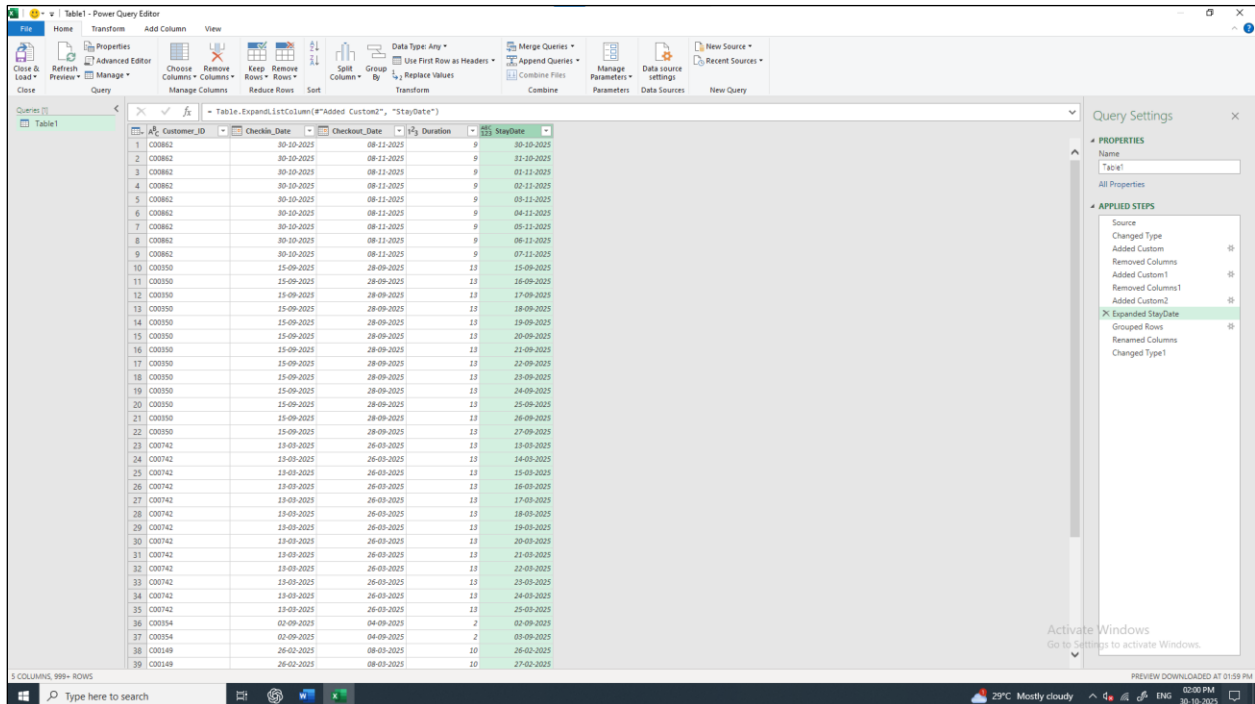
# Module 2 - Occupancy & Revenue Metrics

## 1. Created Duration Details sheet using Customer\_ID, Checkin\_Date, Checkout\_Date and Duration



Customer_ID	Checkin_Date	Checkout_Date	Duration
C00862	2025-10-30	2025-11-08	9
C00350	2025-09-15	2025-09-28	13
C00742	2025-09-13	2025-09-26	13
C00354	2025-09-02	2025-09-04	2
C00149	2025-02-26	2025-03-08	10
C00977	2025-08-23	2025-08-24	1
C00087	2025-04-09	2025-04-21	12
C00438	2025-10-22	2025-10-25	3
C00465	2025-12-15	2025-12-16	1
C00135	2025-06-07	2025-06-10	3
C00166	2025-04-12	2025-04-16	4
C00573	2025-06-28	2025-07-03	5
C00484	2025-08-18	2025-08-28	10
C00889	2025-10-15	2025-10-22	7
C00601	2024-06-04	2024-06-09	5
C00561	2025-06-04	2025-06-18	14
C00315	2025-10-08	2025-10-13	5
C00649	2025-11-28	2025-11-29	1
C00353	2024-07-26	2024-08-02	7
C00178	2025-05-17	2025-05-28	11
C00212	2024-06-24	2024-06-28	4
C00092	2025-12-17	2025-12-26	9
C00953	2025-07-08	2025-07-10	2
C00912	2025-07-10	2025-07-12	2
C00422	2025-05-19	2025-05-25	6
C00699	2025-11-04	2025-11-12	8
C00453	2024-08-18	2024-08-30	12
C00555	2025-11-08	2025-11-13	5
C00153	2025-12-12	2025-12-13	1
C00513	2025-06-29	2025-07-02	3
C00305	2025-08-16	2025-08-21	5

## 2. Created Stay\_Date column using Custom Column in the Power Query Editor



Customer_ID	Checkin_Date	Checkout_Date	Duration	StayDate
C00862	2025-10-30	2025-11-08	9	2025-10-30
C00862	2025-10-30	2025-11-08	9	2025-10-31
C00862	2025-10-30	2025-11-08	9	2025-11-01
C00862	2025-10-30	2025-11-08	9	2025-11-02
C00862	2025-10-30	2025-11-08	9	2025-11-03
C00862	2025-10-30	2025-11-08	9	2025-11-04
C00862	2025-10-30	2025-11-08	9	2025-11-05
C00862	2025-10-30	2025-11-08	9	2025-11-06
C00862	2025-10-30	2025-11-08	9	2025-11-07
C00350	2025-09-15	2025-09-28	13	2025-09-15
C00350	2025-09-15	2025-09-28	13	2025-09-16
C00350	2025-09-15	2025-09-28	13	2025-09-17
C00350	2025-09-15	2025-09-28	13	2025-09-18
C00350	2025-09-15	2025-09-28	13	2025-09-19
C00350	2025-09-15	2025-09-28	13	2025-09-20
C00350	2025-09-15	2025-09-28	13	2025-09-21
C00350	2025-09-15	2025-09-28	13	2025-09-22
C00350	2025-09-15	2025-09-28	13	2025-09-23
C00350	2025-09-15	2025-09-28	13	2025-09-24
C00350	2025-09-15	2025-09-28	13	2025-09-25
C00350	2025-09-15	2025-09-28	13	2025-09-26
C00350	2025-09-15	2025-09-28	13	2025-09-27
C00350	2025-09-15	2025-09-28	13	2025-09-28
C00742	2025-09-13	2025-09-26	13	2025-09-13
C00742	2025-09-13	2025-09-26	13	2025-09-14
C00742	2025-09-13	2025-09-26	13	2025-09-15
C00742	2025-09-13	2025-09-26	13	2025-09-16
C00742	2025-09-13	2025-09-26	13	2025-09-17
C00742	2025-09-13	2025-09-26	13	2025-09-18
C00742	2025-09-13	2025-09-26	13	2025-09-19
C00742	2025-09-13	2025-09-26	13	2025-09-20
C00742	2025-09-13	2025-09-26	13	2025-09-21
C00742	2025-09-13	2025-09-26	13	2025-09-22
C00742	2025-09-13	2025-09-26	13	2025-09-23
C00742	2025-09-13	2025-09-26	13	2025-09-24
C00742	2025-09-13	2025-09-26	13	2025-09-25
C00742	2025-09-13	2025-09-26	13	2025-09-26
C00354	2025-02-26	2025-03-08	10	2025-02-26
C00354	2025-02-26	2025-03-08	10	2025-02-27

### 3. Create the Rooms\_Booked column using the Group By function in the Power Query Editor

The screenshot shows the Power Query Editor interface. The main area displays a table with 39 rows and 3 columns: 'StayDate', 'RoomBooked', and 'Rooms\_Booked'. The 'Rooms\_Booked' column contains the value 1 for all rows. The formula bar at the top shows the query definition: `Table.TransformColumns(Table.TransformColumns(Table.TransformColumns(Source, {"StayDate", type date}), {"RoomBooked", type text}), {"Rooms_Booked", type text})`. The right-hand pane shows the 'Query Settings' for 'Table1', with the 'APPLIED STEPS' list containing: Source, Changed Type, Added Custom, Removed Columns, Added Custom1, Removed Columns1, Added Custom2, Expanded StayDate, Grouped Rows, and Renamed Columns. The bottom status bar indicates '2 COLUMNS, 700 ROWS'.

### 4. Changed the data type of Stay\_Date column from Text to Date

The screenshot shows the Power Query Editor interface after changing the data type of the 'StayDate' column. The main area displays the same table, but the 'StayDate' column now contains date values in the format 'dd-mm-yyyy'. The formula bar at the top shows the query definition: `Table.TransformColumns(Table.TransformColumns(Table.TransformColumns(Source, {"StayDate", type date}), {"RoomBooked", type text}), {"Rooms_Booked", type text})`. The right-hand pane shows the 'Query Settings' for 'Table1', with the 'APPLIED STEPS' list containing: Source, Changed Type, Added Custom, Removed Columns, Added Custom1, Removed Columns1, Added Custom2, Expanded StayDate, Grouped Rows, Renamed Columns, and Changed Type1. The bottom status bar indicates '2 COLUMNS, 700 ROWS'.

## 5. Created Pivot Table using the Stay\_Date and Rooms\_Booked Columns from the Rooms Booked sheet to fetch the Yealy & Monthly Bookings Data

The screenshot shows an Excel PivotTable summarizing room bookings. The PivotTable Fields task pane on the right indicates that 'StayDate' and 'RoomBooked' are the source fields. The PivotTable is structured with 'Years (StayDate)' and 'Months (StayDate)' in the Rows area, and 'Sum of Rooms Booked' in the Values area.

Row Labels	Sum of Rooms Booked
2024	2545
Feb	53
Mar	41
Apr	108
May	164
Jun	135
Jul	145
Aug	214
Sep	388
Oct	412
Nov	439
Dec	446
2025	12020
Jan	484
Feb	456
Mar	681
Apr	732
May	978
Jun	798
Jul	853
Aug	1045
Sep	1207
Oct	1454
Nov	1739
Dec	1593
2026	137
Jan	137
<b>Grand Total</b>	<b>14702</b>

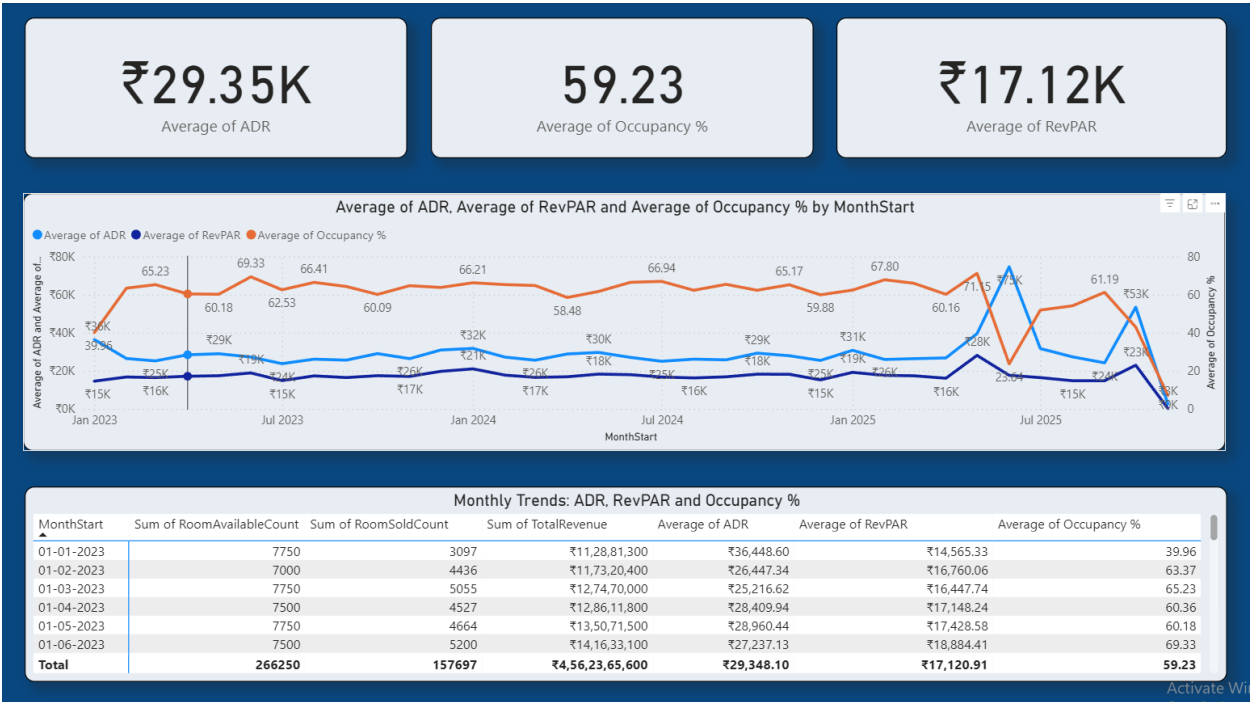
## 6. Created the Master Data sheet with Month, Day\_Count, Rooms\_Avalable, Rooms\_Sold and Occupancy\_% columns

The screenshot shows a 'Master Data' sheet in Excel. The formula bar displays the calculation for occupancy percentage:  $\text{Occupancy\_} \% = (D25/C25) * 100$ . The data table below shows monthly occupancy percentages for 2024 and 2025.

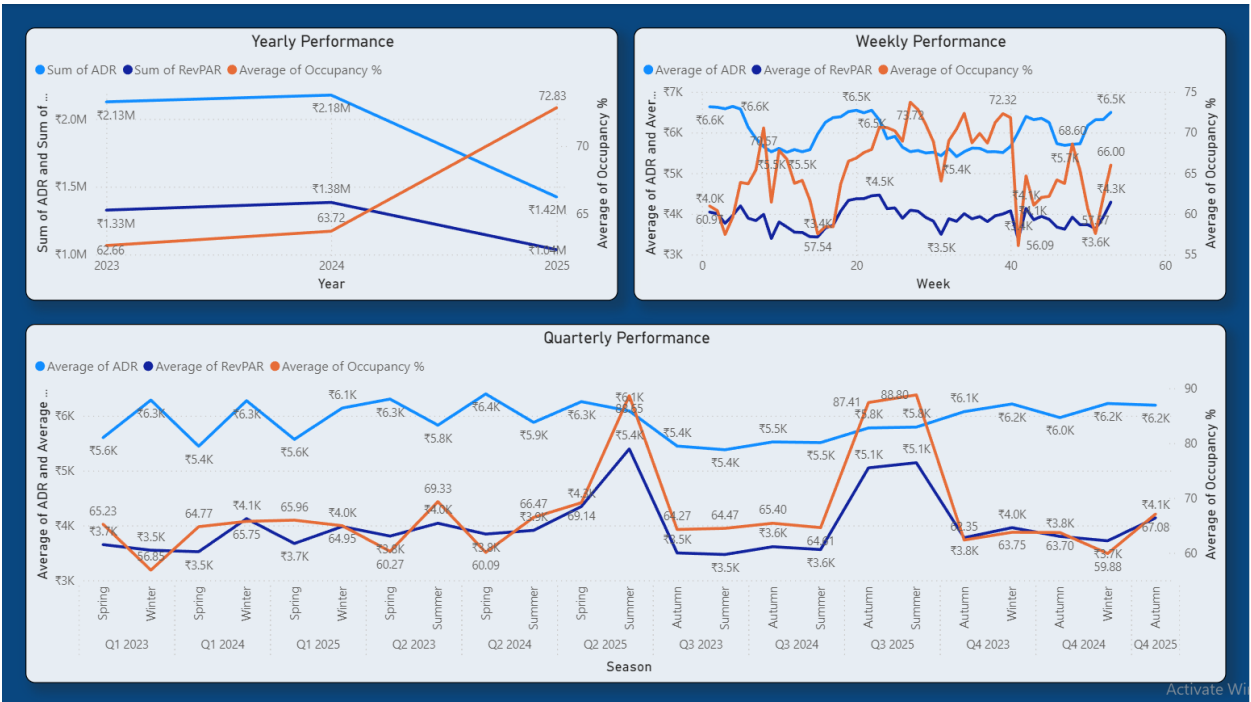
Month	Day_Count	Rooms_Avalable	Rooms_Sold	Occupancy_%
01-Feb-24	29	12180	53	0.44
01-Mar-24	31	13020	41	0.31
01-Apr-24	30	12600	108	0.86
01-May-24	31	13020	164	1.26
01-Jun-24	30	12600	135	1.07
01-Jul-24	31	13020	145	1.11
01-Aug-24	31	13020	214	1.64
01-Sep-24	30	12600	388	3.08
01-Oct-24	31	13020	412	3.16
01-Nov-24	30	12600	439	3.48
01-Dec-24	31	13020	446	3.43
01-Jan-25	31	13020	484	3.72
01-Feb-25	28	11760	456	3.88
01-Mar-25	31	13020	681	5.23
01-Apr-25	30	12600	732	5.81
01-May-25	31	13020	978	7.51
01-Jun-25	30	12600	798	6.33
01-Jul-25	31	13020	853	6.55
01-Aug-25	31	13020	1045	8.03
01-Sep-25	30	12600	1207	9.58
01-Oct-25	31	13020	1454	11.17
01-Nov-25	30	12600	1739	13.80
01-Dec-25	31	13020	1593	12.24
01-Jan-26	31	13020	137	1.05

Visuals:

1. Occupancy %, ADR, and RevPAR over time



2. Visualized daily, weekly, and seasonal performance



3. Compare direct bookings vs. OTA bookings

