Coffee Shop Sales

While importing the data and using it in MySQL Workbench for analysis, data cleaning and data transformation were performed.

The datatypes has been modified as follow :

- Determining the total sales for each respective month (Ex - May)

- Determining the month-on-month (MoM) increase or decrease in sales (Ex - April and May)

- Determining the total number of orders for each respective month (Ex -May)

Result Grid

Total_Orders
33527

- Determining the month-on-month (MoM) increase or decrease in the number of orders (Ex - April and May)

Result Grid — Filter Rows:

month	total_orders	mom_increase_percentage
4	25335	NULL
5	33527	32.3347

- Determining the total quantity sold for each respective month (Ex- May)

Result Grid — Filter Rows:

Total_Quantity_Sold
48233

- Determining the month-on-month (MoM) increase or decrease in the total quantity sold (Ex - April and May)

Result Grid — Filter Rows: — Export:

month	total_quantity_sold	mom_increase_percentage
4	36469	NULL
5	48233	32.2575

- Determining the total sales , total quantity sold and total orders for a particular day which can be represented on the calendar map (Ex- 18/05)

total_sales	total_quantity_sold	total_orders
5583.470000000001	1659	1192

Round off values :

total_sales	total_orders	total_quantity_sold
5.6K	1.2K	1.7K

● Determining the daily sales for a selected month incorporating an average sales for the selected month.

average_sales
5055.7341935483855

- daily sales and its comparison with average sales

day_of_month	total_sales
1	4731.4
2	4625.5
3	4714.6
4	4589.7
5	4701
6	4205.1
7	4542.7
8	5604.2
9	5101
10	5256.3
11	4850.1
12	4681.1
13	5511.5
14	5052.6
15	5385
16	5542.1
17	5418
18	5583.5
19	5657.9
20	5519.3
21	5370.8
22	5541.2
23	5242.9
24	5391.4
25	5230.8
26	5300.9
27	5559.2
28	4338.6
29	3959.5
30	4835.5
31	4684.1

	sales_status	total_sales
17	Above Average	5418.000000000001
18	Above Average	5583.470000000001
19	Above Average	5657.880000000005
20	Above Average	5519.280000000003
21	Above Average	5370.810000000003
22	Above Average	5541.16
23	Above Average	5242.910000000001
24	Above Average	5391.45
25	Above Average	5230.8499999999985
26	Above Average	5300.949999999998
27	Above Average	5559.1500000000015
28	Below Average	4338.649999999998
29	Below Average	3959.499999999998
30	Below Average	4835.479999999997
31	Below Average	4684.129999999993

day_of_month	sales_status	total_sales
1	Below Average	4731.449999999999
2	Below Average	4625.499999999997
3	Below Average	4714.599999999994
4	Below Average	4589.699999999995
5	Below Average	4700.999999999997
6	Below Average	4205.149999999998
7	Below Average	4542.699999999998
8	Above Average	5604.209999999995
9	Above Average	5100.969999999997
10	Above Average	5256.329999999999
11	Below Average	4850.059999999996
12	Below Average	4681.1299999999965
13	Above Average	5511.529999999999
14	Below Average	5052.649999999999
15	Above Average	5384.9800000000005
16	Above Average	5542.129999999997

- Determining the sales by weekend and weekdays

day_type	total_sales
Weekdays	116627.84
Weekends	40099.92

- Determining the sales by store location

store_location	Total_Sales
Hell's Kitchen	52598.929999999375
Astoria	52428.75999999932
Lower Manhattan	51700.06999999959

- Determining the sales by product category

product_category	Total_Sales
Coffee	60362.8
Tea	44539.8
Bakery	18565.5
Drinking Chocolate	16319.8
Coffee beans	8768.9
Branded	2889
Loose Tea	2395.2
Flavours	1905.6
Packaged Chocolate	981.1

- Determining the sales by product type

product_type	Total_Sales
Barista Espresso	20423.7
Brewed Chai tea	17427.4
Hot chocolate	16319.8
Gourmet brewed coffee	15559.2
Brewed herbal tea	10930
Brewed Black tea	10778
Premium brewed coffee	8739.2
Organic brewed coffee	8350.2
Scone	8305.3
Drip coffee	7290.5

- Determining the sales by day/hour (Ex - DAY-Tuesday ; HOUR - 8; MONTH - May)

Total_Sales	Total_Quantity	Total_Orders
2969	874	612

- Determining the sales for all days of the week for the month of may

Day_of_Week	Total_Sales
Monday	25221
Tuesday	25347
Wednesday	25465
Thursday	20254
Friday	20341
Saturday	20795
Sunday	19305

- Determining the sales for all hours of the month of may

	Hour_of_Day	Total_Sales
▶	6	4913
	7	14351
	8	18822
	9	19145
	10	19639
	11	10312
	12	8870
	13	9379
	14	9058
	15	9525
	16	9154
	17	8967
	18	7680
	19	6256
	20	656

Result Grid · Filter Rows: