PIZZA SALES SQL QUERIES

A. KPIs

1. Total Revenue:

SELECT SUM(total_price) AS Total_Revenue
FROM pizza_sales;

Output:

	total_revenue 🔒 numeric
1	817860.05

2. Average Order Value:

SELECT SUM(total_price)/COUNT(DISTINCT order_id) AS
Average_Order_Value
FROM pizza_sales;

Output:

	average_order_value 🔒 numeric
1	38.31

3. Total Pizza Sold:

SELECT SUM(quantity) AS Total_Pizza_Sold
FROM pizza_sales;

Output:

	total_pizza_sold 🔒 bigint
1	49574

4. Total Orders:

SELECT COUNT(DISTINCT order_id) AS Total_orders
FROM pizza_sales;

Output:

	total_orders 🔒 bigint
1	21350

5. Average Pizza Per Order:

SELECT ROUND(SUM(quantity)::numeric / COUNT(DISTINCT order_id),2) AS pizza_per_order
FROM pizza_sales;

Output:

	pizza_per_order 🔒 numeric
1	2.32

B. Charts Requirement:

1. Daily Trend for Total Orders:

SELECT
    TO_CHAR(order_date, 'Day') AS Order_Day,
    COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
GROUP BY TO_CHAR(order_date, 'Day');

Output:

	order_day 🔒 text	total_orders 🔒 bigint
1	Friday	3538
2	Monday	2794
3	Saturday	3158
4	Sunday	2624
5	Thursday	3239
6	Tuesday	2973
7	Wednesday	3024

2. Monthly Trend for Total Orders:

SELECT
    TO_CHAR(order_date, 'Month') AS Month_name,
    COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
GROUP BY Month_name
ORDER BY Total_Orders DESC;

Output:

	month_name text	total_orders bigint
1	July	1935
2	May	1853
3	January	1845
4	August	1841
5	March	1840
6	April	1799
7	November	1792
8	June	1773
9	February	1685
10	December	1680
11	September	1661
12	October	1646

3. Percentage of Sales by Pizza Category:

SELECT
    pizza_category,
    ROUND (SUM (total_price),2) AS Total_Sales,
    ROUND (SUM(Total_price)* 100 / (
        SELECT SUM(total_price) FROM pizza_sales),2) AS
"%_Total_Sales"
FROM pizza_sales
GROUP BY pizza_category;

Output:

	pizza_category text	total_sales numeric	%_Total_Sales numeric
1	Supreme	208197.00	25.46
2	Chicken	195919.50	23.96
3	Veggie	193690.45	23.68
4	Classic	220053.10	26.91

4. **Percentage of Sales by Pizza Size:**
SELECT
    pizza_size,
    ROUND (SUM (total_price),2) AS Total_Sales,
    ROUND (SUM(Total_price)* 100 / (
        SELECT SUM(total_price) FROM pizza_sales),2) AS
"%_Total_Sales"
FROM pizza_sales
GROUP BY pizza_size;
Output:

	pizza_size text	total_sales numeric	%_Total_Sales numeric
1	S	178076.50	21.77
2	XXL	1006.60	0.12
3	XL	14076.00	1.72
4	M	249382.25	30.49
5	L	375318.70	45.89

5. **5 Best Sellers by Revenue, Quantity, and Orders:**
Revenue:
SELECT
    pizza_name,
    ROUND (SUM (total_price),2) AS Total_Revenue
FROM pizza_sales

GROUP BY pizza_name
ORDER BY Total_Revenue DESC
LIMIT 5;
Output:

	pizza_name text	total_revenue numeric
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768.00
3	The California Chicken Pizza	41409.50
4	The Classic Deluxe Pizza	38180.50
5	The Spicy Italian Pizza	34831.25

Quantity:
SELECT
    pizza_name,
    SUM (quantity) AS Total_Quantity
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Quantity DESC
LIMIT 5;
Output:

	pizza_name text	total_quantity bigint
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

Orders:
SELECT
    pizza_name,
    COUNT (DISTINCT order_id) AS Total_Orders

FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Orders DESC
LIMIT 5;
Output:

	pizza_name text	total_orders bigint
1	The Classic Deluxe Pizza	2329
2	The Hawaiian Pizza	2280
3	The Pepperoni Pizza	2278
4	The Barbecue Chicken Pizza	2273
5	The Thai Chicken Pizza	2225

6. **5 Worst Sellers by Revenue, Quantity, and Orders:**
   Revenue:
   SELECT
       pizza_name,
       ROUND (SUM (total_price),2) AS Total_Revenue
   FROM pizza_sales
   GROUP BY pizza_name
   ORDER BY Total_Revenue
   LIMIT 5;
   Output:

	pizza_name text	total_revenue numeric
1	The Brie Carre Pizza	11588.50
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.50
5	The Spinach Pesto Pizza	15596.00

   Quantity:

```
SELECT
    pizza_name,
    SUM (quantity) AS Total_Quantity
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Quantity
LIMIT 5;
```

Output:

	pizza_name text	total_quantity bigint
1	The Brie Carre Pizza	490
2	The Mediterranean Pizza	934
3	The Calabrese Pizza	937
4	The Spinach Supreme Pizza	950
5	The Soppressata Pizza	961

Orders:

```
SELECT
    pizza_name,
    COUNT (DISTINCT order_id) AS Total_Orders
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Orders
LIMIT 5;
```

Output:

	pizza_name text	total_orders bigint
1	The Brie Carre Pizza	480
2	The Mediterranean Pizza	912
3	The Calabrese Pizza	918
4	The Spinach Supreme Pizza	918
5	The Chicken Pesto Pizza	938