Pizza Sales MySQL Queries and Results

A. Key Performance Indicators

1. Total Revenue:

```
SELECT SUM(total_price) AS Total_Revenue FROM output;
```

Total_Revenue
817860.049999993

2. Average Order Value

```
SELECT (SUM(total_price) / COUNT(DISTINCT order_id)) AS Avg_order_Value FROM output;
```

Avg_order_Value
38.307262295081635

3. Total Pizzas Sold

```
SELECT SUM(quantity) AS Total_pizza_sold FROM output;
```

Total_pizza_sold
49574

4. Total Orders

```
SELECT COUNT(DISTINCT order_id) AS Total_Orders FROM output;
```

Total_Orders
21350

5. Average Pizzas per order

```sql
SELECT ROUND(SUM(quantity) / COUNT(DISTINCT order_id), 2) AS Avg_Pizzas_per_order
FROM output;
```

Avg_Pizzas_per_order
2.32

B. Hourly trend for total pizzas sold

```sql
SELECT HOUR(order_time) AS order_hours, SUM(quantity) AS total_pizzas_sold
FROM output
GROUP BY HOUR(order_time)
ORDER BY HOUR(order_time);
```

order_hours	total_pizzas_sold
9	4
10	18
11	2728
12	6776
13	6413
14	3613
15	3216
16	4239
17	5211
18	5417
19	4406
20	3534
21	2545
22	1386
23	68

C. Percent of Sales by Pizza Category

```sql
SELECT pizza_category,
       SUM(total_price) AS total_revenue,
       ROUND(SUM(total_price) * 100 / (SELECT SUM(total_price) FROM pizza_sales), 2) AS PCT
FROM output
GROUP BY pizza_category;
```

pizza_catego...	total_revenue	PCT
Classic	220053.1000000001	26.91
Veggie	193690.45000000298	23.68
Supreme	208196.99999999822	25.46
Chicken	195919.5	23.96

D. Percent of sales by Pizza size

```sql
SELECT pizza_size,
       SUM(total_price) AS total_revenue,
       ROUND(SUM(total_price) * 100 / (SELECT SUM(total_price) FROM pizza_sales), 2) AS PCT
FROM output
GROUP BY pizza_size
ORDER BY pizza_size;
```

pizza_size	total_revenue	PCT
L	375318.7000000087	45.89
M	249382.25	30.49
S	178076.49999999843	21.77
XL	14076	1.72
XXL	1006.6000000000005	0.12

E. Total pizza sold by pizza category

```sql
SELECT pizza_category, SUM(quantity) AS Total_Quantity_Sold
FROM pizza_sales
GROUP BY pizza_category
ORDER BY Total_Quantity_Sold DESC;
```

pizza_category	Total_Quantity_Sold
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

F. Top 5 pizza

By Revenue:

```sql
SELECT pizza_name, SUM(total_price) AS Total_Revenue
FROM output
GROUP BY pizza_name
ORDER BY Total_Revenue DESC
LIMIT 5;
```

pizza_name	Total_Revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Spicy Italian Pizza	34831.25

By quantity:

```sql
SELECT pizza_name, SUM(quantity) AS Total_Pizza_Sold
FROM output
GROUP BY pizza_name
ORDER BY Total_Pizza_Sold DESC
LIMIT 5;
```

pizza_name	Total_Pizza_Sold
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

By Total Orders:

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

pizza_name	Total_Orders
The Classic Deluxe Pizza	2329
The Hawaiian Pizza	2280
The Pepperoni Pizza	2278
The Barbecue Chicken Pizza	2273
The Thai Chicken Pizza	2225

G. Bottom 5 pizzas

By Revenue:

```sql
SELECT pizza_name, SUM(total_price) AS Total_Revenue
FROM output
GROUP BY pizza_name
ORDER BY Total_Revenue ASC
LIMIT 5;
```

pizza_name	Total_Revenue
The Brie Carre Pizza	11588.4999999999
The Green Garden Pizza	13955.75
The Spinach Supreme Pizza	15277.75
The Mediterranean Pizza	15360.5
The Spinach Pesto Pizza	15596

By Quantity:

```sql
SELECT pizza_name, SUM(quantity) AS Total_Pizza_Sold
FROM output
GROUP BY pizza_name
ORDER BY Total_Pizza_Sold ASC
LIMIT 5;
```

pizza_name	Total_Pizza_Sold
The Brie Carre Pizza	490
The Mediterranean Pizza	934
The Calabrese Pizza	937
The Spinach Supreme Pizza	950
The Soppressata Pizza	961

By Total Orders:

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

pizza_name	Total_Orders
The Brie Carre Pizza	480
The Mediterranean Pizza	912
The Spinach Supreme Pizza	918
The Calabrese Pizza	918
The Chicken Pesto Pizza	938