COCO PIZZA SQL Query Execution with Results from POWER BI Dashboard

by Abhishek Luthra

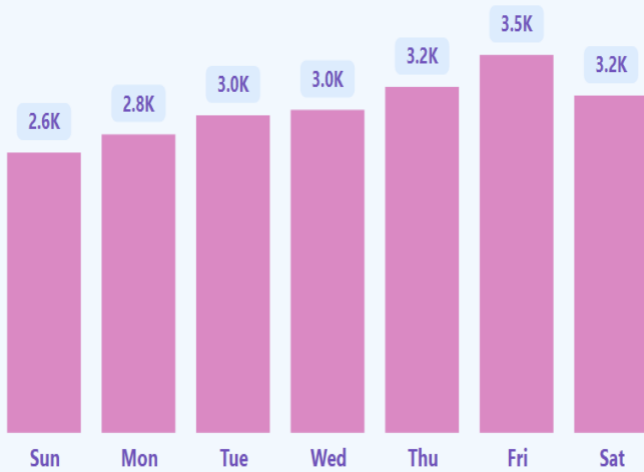| $817.9K	$38.3	49.6K	21.4K	2.3
Total Revenue	Avg order value	Total Pizza Sold	Total orders	Avg Pizza per order

A) Key Performance Indicators-

KPI's	SQL Query	Result
Total Revenue	SELECT ROUND(SUM(total_price), 2) AS total_revenue FROM pizza_sales;	**Total_revenue** 817860.05
Average order Value	SELECT ROUND(SUM(total_price) / COUNT(DISTINCT order_id), 2) AS Avg_order FROM pizza_sales;	**Avg_order** 38.31
Total Pizza Sold	SELECT SUM(quantity) AS total_pizza_sold FROM pizza_sales;	**total_pizza_sold** 49574
Total Orders	SELECT COUNT(DISTINCT order_id) AS total_orders FROM pizza_sales;	**total_orders** 21350
Average Pizza Per order	SELECT ROUND(SUM(quantity) / COUNT(DISTINCT order_id), 1) AS total_orders FROM pizza_sales;	**total_orders** 2.3

B) <u>Chart Requirements-</u>

Daily Trend Total orders

Day	Orders
Sun	2.6K
Mon	2.8K
Tue	3.0K
Wed	3.0K
Thu	3.2K
Fri	3.5K
Sat	3.2K

Monthly Trend for Total Orders

Month	Orders
Jan	1845
Feb	1685
Mar	1840
Apr	1799
May	1853
Jun	1773
Jul	1935
Aug	1841
Sep	1661
Oct	1646
Nov	1792
Dec	1680

% of Sales by Pizza Category

pizza_category
- Classic — $220K (26.91%)
- Supreme — $208K (25.46%)
- Chicken — $196K (23.96%)
- Veggie — $194K (23.68%)

% of Sales by Pizza Size
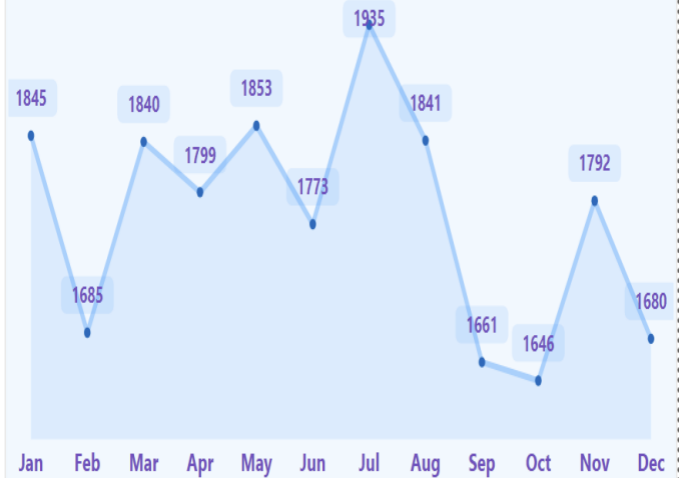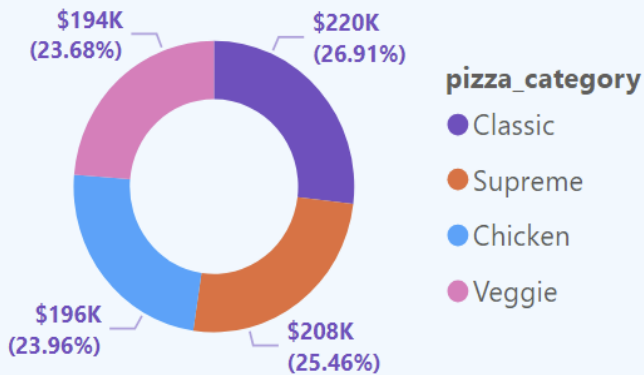
pizza_size
- Large — $375.32K (45.89%)
- Medium — $249.38K (30.49%)
- Small — $178.08K (21.77%)
- Extra Large
- XExtra Large
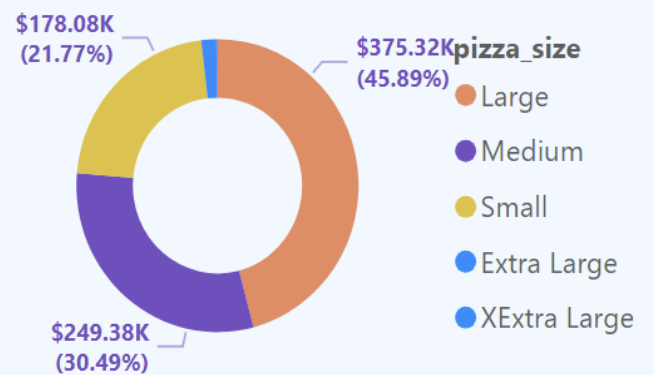
Total Pizza Sold by Pizza Category

Category	Total
Classic	14.89K
Supreme	11.99K
Veggie	11.65K
Chicken	11.05K
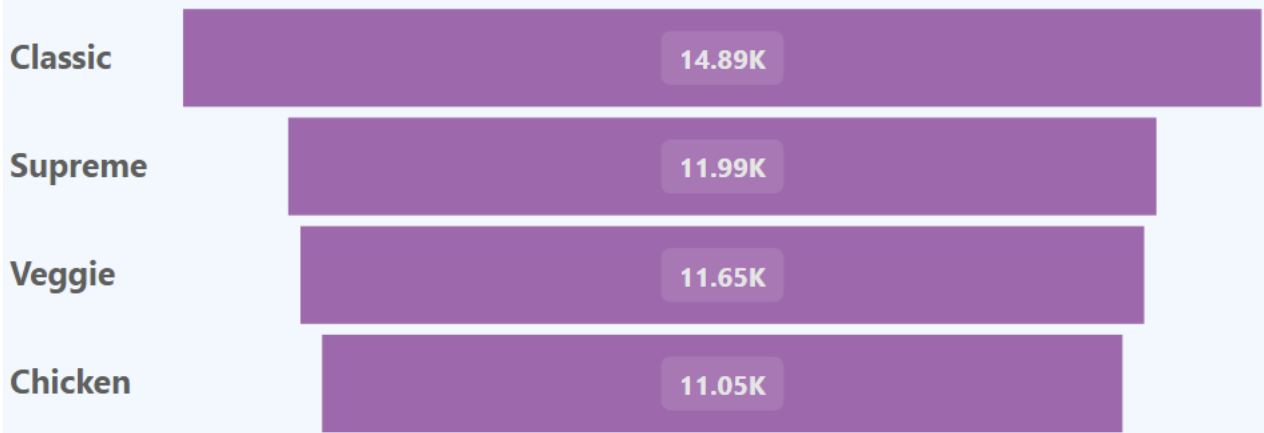
	SQL QUERY	RESULT

DAILY TRENDS	SELECT
	   WEEKDAY(order_date) + 1 AS week_no,
	   DAYNAME(order_date) AS week,
	   ROUND(SUM(total_price), 2) AS total,
	   COUNT(DISTINCT order_id) AS total_order
	FROM
	   pizza_sales
	GROUP BY week , week_no
	ORDER BY week_no;
		<table><tr><th>week_no</th><th>week</th><th>total</th><th>total_order</th></tr><tr><td>1</td><td>Monday</td><td>107329.55</td><td>2794</td></tr><tr><td>2</td><td>Tuesday</td><td>114133.8</td><td>2973</td></tr><tr><td>3</td><td>Wednesday</td><td>114408.4</td><td>3024</td></tr><tr><td>4</td><td>Thursday</td><td>123528.5</td><td>3239</td></tr><tr><td>5</td><td>Friday</td><td>136073.9</td><td>3538</td></tr><tr><td>6</td><td>Saturday</td><td>123182.4</td><td>3158</td></tr><tr><td>7</td><td>Sunday</td><td>99203.5</td><td>2624</td></tr></table>

MONTHLY TRENDS	SELECT
	   MONTH(order_date) AS month_no,
	   MONTHNAME(order_date) AS month,
	   ROUND(SUM(total_price), 2) AS total,
	   COUNT(DISTINCT order_id) AS total_order
	FROM
	   pizza_sales
	GROUP BY month_no , month
	ORDER BY month_no;
		<table><tr><th>month_no</th><th>month</th><th>total</th><th>total_order</th></tr><tr><td>1</td><td>January</td><td>69793.3</td><td>1845</td></tr><tr><td>2</td><td>February</td><td>65159.6</td><td>1685</td></tr><tr><td>3</td><td>March</td><td>70397.1</td><td>1840</td></tr><tr><td>4</td><td>April</td><td>68736.8</td><td>1799</td></tr><tr><td>5</td><td>May</td><td>71402.75</td><td>1853</td></tr><tr><td>6</td><td>June</td><td>68230.2</td><td>1773</td></tr><tr><td>7</td><td>July</td><td>72557.9</td><td>1935</td></tr><tr><td>8</td><td>August</td><td>68278.25</td><td>1841</td></tr><tr><td>9</td><td>September</td><td>64180.05</td><td>1661</td></tr><tr><td>10</td><td>October</td><td>64027.6</td><td>1646</td></tr><tr><td>11</td><td>November</td><td>70395.35</td><td>1792</td></tr><tr><td>12</td><td>December</td><td>64701.15</td><td>1680</td></tr></table>

% SALES BY PIZZA CATEGORY	SELECT
	   pizza_category,
	   ROUND(SUM(total_price), 2) AS total_sales,
	   ROUND((SUM(total_price) / (SELECT
	         SUM(total_price)
	      FROM
	       pizza_sales)) * 100,
	    2) AS percentage_sales
	FROM
	   pizza_sales
	GROUP BY pizza_category
	ORDER BY total_sales DESC;
		<table><tr><th>pizza_category</th><th>total_sales</th><th>percentage_sales</th></tr><tr><td>Classic</td><td>220053.1</td><td>26.91</td></tr><tr><td>Veggie</td><td>193690.45</td><td>23.68</td></tr><tr><td>Supreme</td><td>208197</td><td>25.46</td></tr><tr><td>Chicken</td><td>195919.5</td><td>23.96</td></tr></table>

% SALES BY PIZZA SIZE	SELECT
	  pizza_size,
	  ROUND(SUM(total_price), 2) AS total_sales,
	  ROUND((SUM(total_price) / (SELECT
	      SUM(total_price)
	    FROM
	      pizza_sales)) * 100,
	    2) AS percentage_sales
	FROM
	  pizza_sales
	GROUP BY pizza_size
	ORDER BY total_sales DESC;	

pizza_size	total_sales	percentage_sales
L	375318.7	45.89
M	249382.25	30.49
S	178076.5	21.77
XL	14076	1.72
XXL	1006.6	0.12

TOTAL PIZZA SOLD BY CATEGORY	SELECT
	  pizza_category, SUM(quantity) AS total_sold
	FROM
	  pizza_sales
	GROUP BY pizza_category
	ORDER BY total_sold DESC;	

pizza_category	total_sold
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

TOP 5 PIZZAS:

Top 5 Pizza by Revenue

The Thai Chic...	$43K
The Barbecue...	$43K
The California...	$41K
The Classic D...	$38K
The Spicy Itali...	$35K

Top 5 Pizza by Quantity

The Classic D...	2.5K
The Barbecu...	2.4K
The Hawaiian...	2.4K
The Peppero...	2.4K
The Thai Chic...	2.4K

Top 5 Pizza by Total Orders

The Classic D...	2.3K
The Hawaiian...	2.3K
The Peppero...	2.3K
The Barbecu...	2.3K
The Thai Chic...	2.2K

TOP 5 BEST SELLERS BY TOTAL REVENUE	SELECT
	    PIZZA_NAME, SUM(QUANTITY) AS TOTAL_QUANTITY
	FROM
	    PIZZA_SALES
	GROUP BY PIZZA_NAME
	ORDER BY TOTAL_QUANTITY 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

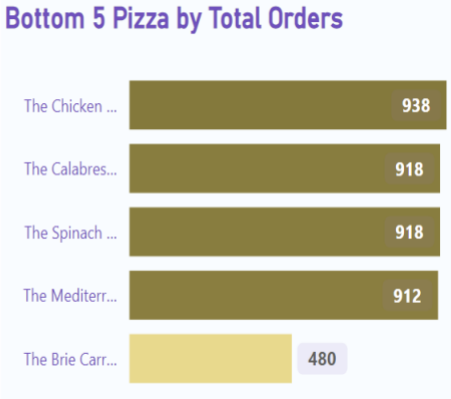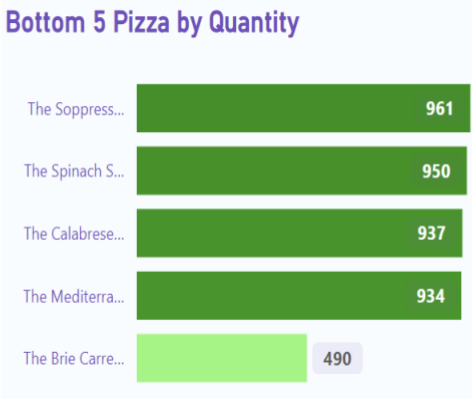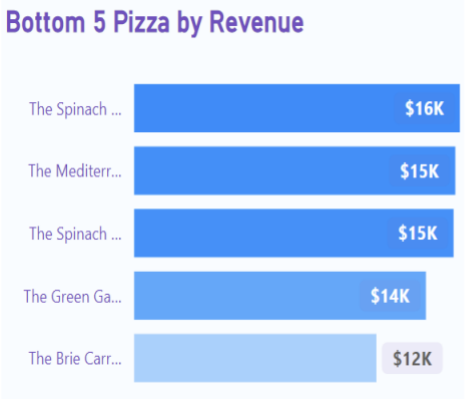|	

TOP 5 BEST SELLERS BY TOTAL QUANTITY	SELECT
	    pizza_name, SUM(quantity) AS Total_quantity
	FROM
	    pizza_sales
	GROUP BY pizza_name
	ORDER BY Total_quantity DESC
	LIMIT 5;

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

TOP 5 BEST SELLERS BY TOTAL 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;

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

BOTTOM 5 PIZZAS:

Bottom 5 Pizza by Revenue

The Spinach ...	$16K
The Mediterr...	$15K
The Spinach ...	$15K
The Green Ga...	$14K
The Brie Carr...	$12K

Bottom 5 Pizza by Quantity

The Soppress...	961
The Spinach S...	950
The Calabrese...	937
The Mediterra...	934
The Brie Carre...	490

Bottom 5 Pizza by Total Orders

The Chicken ...	938
The Calabres...	918
The Spinach ...	918
The Mediterr...	912
The Brie Carr...	480

BOTTOM 5 SELLERS BY TOTAL REVENUE	SELECT
	    PIZZA_NAME,
	ROUND(SUM(TOTAL_PRICE), 2) AS TOTAL_REVENUE
	FROM
	    PIZZA_SALES
	GROUP BY PIZZA_NAME
	ORDER BY TOTAL_REVENUE ASC
	LIMIT 5;
		<table><tr><th>pizza_name</th><th>Total_Revenue</th></tr><tr><td>The Brie Carre Pizza</td><td>11588.5</td></tr><tr><td>The Green Garden Pizza</td><td>13955.75</td></tr><tr><td>The Spinach Supreme Pizza</td><td>15277.75</td></tr><tr><td>The Mediterranean Pizza</td><td>15360.5</td></tr><tr><td>The Spinach Pesto Pizza</td><td>15596</td></tr></table>

BOTTOM 5 SELLERS BY TOTAL QUANTITY	SELECT
	    pizza_name, SUM(quantity) AS Total_quantity
	FROM
	    pizza_sales
	GROUP BY pizza_name
	ORDER BY Total_quantity
	LIMIT 5;
		<table><tr><th>pizza_name</th><th>Total_quantity</th></tr><tr><td>The Brie Carre Pizza</td><td>490</td></tr><tr><td>The Mediterranean Pizza</td><td>934</td></tr><tr><td>The Calabrese Pizza</td><td>937</td></tr><tr><td>The Spinach Supreme Pizza</td><td>950</td></tr><tr><td>The Soppressata Pizza</td><td>961</td></tr></table>

BOTTOM 5 SELLERS BY TOTAL ORDERS	SELECT
	    pizza_name, COUNT(DISTINCT order_id) AS Total_orders
	FROM
	    pizza_sales
	GROUP BY pizza_name
	ORDER BY Total_orders
	LIMIT 5;
		<table><tr><th>pizza_name</th><th>Total_orders</th></tr><tr><td>The Brie Carre Pizza</td><td>480</td></tr><tr><td>The Mediterranean Pizza</td><td>912</td></tr><tr><td>The Spinach Supreme Pizza</td><td>918</td></tr><tr><td>The Calabrese Pizza</td><td>918</td></tr><tr><td>The Chicken Pesto Pizza</td><td>938</td></tr></table>