

Pizza Sales SQL Analysis

Rename column `order_date_temp` to `order_date` and set its type to DATE.

```
ALTER TABLE pizza_sales CHANGE order_date_temp order_date DATE;
```

Calculate the total revenue from all pizza sales.

```
SELECT ROUND(SUM(total_price), 2) AS Total_revenue FROM pizza_sales;
```

Total_revenue
817860.05

Compute the average order value.

```
SELECT ROUND(SUM(total_price) / COUNT(DISTINCT order_Id), 2) AS  
Avg_order_value FROM pizza_sales;
```

Avg_order_value
38.31

Get the total quantity of pizzas sold.

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

Total_pizza_sold
49574

Count the total number of unique orders.

```
SELECT COUNT(DISTINCT order_id) AS total_order FROM pizza_sales;
```

total_order
21350

Calculate the average number of pizzas per order.

```
SELECT CAST(SUM(quantity)/COUNT(DISTINCT order_id) AS DECIMAL(10,2)) AS  
Ave_pizza_per_orders FROM pizza_sales;
```

Ave_pizza_per_orders
2.32

Daily trend of total orders.

```
SELECT DAYNAME(order_date) AS order_Day, COUNT(DISTINCT order_id) AS  
Total_order FROM pizza_sales GROUP BY DAYNAME(order_date) ORDER BY  
Total_order DESC;
```

	order_Day	Total_order
►	Friday	3538
	Thursday	3239
	Saturday	3158
	Wednesday	3024
	Tuesday	2973
	Monday	2794
	Sunday	2624

Monthly trend for total orders in January.

```
SELECT MONTHNAME(order_date) AS Month_Name, COUNT(DISTINCT order_id) AS  
Total_order FROM pizza_sales WHERE MONTH(order_date)=1 GROUP BY  
MONTHNAME(order_date) ORDER BY Total_order DESC;
```

	Month_Name	Total_order
►	January	1845

Sales and contribution percentage by pizza category.

```
SELECT pizza_category, ROUND(SUM(total_price),2) AS total_sales,  
ROUND(SUM(total_price)*100.0 / (SELECT SUM(total_price) FROM  
pizza_sales),2) AS percentage FROM pizza_sales GROUP BY pizza_category  
ORDER BY percentage DESC;
```

	pizza_category	total_sales	percentage
►	Classic	220053.1	26.91
	Supreme	208197	25.46
	Chicken	195919.5	23.96
	Veggie	193690.45	23.68

Sales and contribution percentage by pizza size.

```
SELECT pizza_size, ROUND(SUM(total_price),2) AS total_sales,  
ROUND(SUM(total_price)*100.0 / (SELECT SUM(total_price) FROM  
pizza_sales),2) AS percentage FROM pizza_sales GROUP BY pizza_size  
ORDER BY percentage DESC;
```

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

Top 5 pizzas by revenue.

```
SELECT pizza_name, CAST(SUM(total_price) AS DECIMAL(10,2)) AS  
Total_revenue FROM pizza_sales 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	42768.00
	The California Chicken Pizza	41409.50
	The Classic Deluxe Pizza	38180.50
	The Spicy Italian Pizza	34831.25

Bottom 5 pizzas by revenue.

```
SELECT pizza_name, CAST(SUM(total_price) AS DECIMAL(10,2)) AS  
Total_revenue FROM pizza_sales GROUP BY pizza_name ORDER BY  
Total_revenue ASC LIMIT 5;
```

	pizza_name	Total_revenue
►	The Brie Carre Pizza	11588.50
	The Green Garden Pizza	13955.75
	The Spinach Supreme Pizza	15277.75
	The Mediterranean Pizza	15360.50
	The Spinach Pesto Pizza	15596.00

Top 5 pizzas by quantity sold.

```
SELECT pizza_name, CAST(SUM(quantity) AS DECIMAL(10,2)) 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	2453.00
	The Barbecue Chicken Pizza	2432.00
	The Hawaiian Pizza	2422.00
	The Pepperoni Pizza	2418.00
	The Thai Chicken Pizza	2371.00

Bottom 5 pizzas by quantity sold.

```
SELECT pizza_name, CAST(SUM(quantity) AS DECIMAL(10,2)) AS  
Total_Quantity FROM pizza_sales GROUP BY pizza_name ORDER BY  
Total_Quantity ASC LIMIT 5;
```

	pizza_name	Total_Quantity
►	The Brie Carre Pizza	490.00
	The Mediterranean Pizza	934.00
	The Calabrese Pizza	937.00
	The Spinach Supreme Pizza	950.00
	The Soppressata Pizza	961.00

Top 5 pizzas by number of orders.

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

	pizza_name	Total_order
▶	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 by number of orders.

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

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

Hourly trend of pizza sales.

```
SELECT HOUR(order_time) AS Order_hours, COUNT(DISTINCT order_id) AS  
pizza_sales FROM pizza_sales GROUP BY HOUR(order_time) ORDER BY  
HOUR(order_time);
```

	Order_hours	pizza_sales
▶	9	1
	10	8
	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642
	21	1198
	22	663
	23	28