

PIZZA SALES SQL QUERIES

A. KPI'S

1. **Total Revenue:** The sum of the total price of all pizza orders.

```
select sum(total_price) as Total_Revenue from pizza_db.pizza_sales;
```

Result Grid		Filter Rows
	Total_Revenue	
▶	817860.0499999993	

2. **Average Order Value:** The average amount spent per order, calculated by dividing the total revenue by the total number of orders.

```
select sum(total_price) / count(distinct order_id) as Avg_Order_Value from pizza_db.pizza_sales;
```

Result Grid		Filter Rows
	Avg_Order_Value	
▶	38.307262295081635	

3. **Total Pizzas Sold:** The sum of the quantities of all pizzas sold.

```
select sum(quantity) as Total_Pizza_Sold from pizza_db.pizza_sales;
```

Result Grid		Filter Rows
	Total_Pizza_Sold	
▶	49574	

4. **Total Orders:** The total number of orders placed.

```
select count(distinct order_id) as Total_Orders from pizza_db.pizza_sales;
```

Result Grid		Filter Rows
	Total_Orders	
▶	21350	

5. **Average Pizzas Per Order:** The average number of pizzas sold per order, calculated by dividing the total number of pizzas sold by the total number of orders.

```
select cast(sum(quantity) / count(distinct order_id) as decimal(10, 2)) as Avg_Pizzas_Per_Order from pizza_db.pizza_sales;
```

Result Grid		Filter Rows
	Avg_Pizzas_Per_Order	
▶	2.32	

B. CHARTS REQUIREMENT



1. Hourly Trend For Total Pizzas Sold:

```
select hour(order_time) as Order_Hour, sum(quantity) as Total_Pizzas_Sold from pizza_db.pizza_sales
group by hour(order_time)
order by hour(order_time);
```

Result Grid	Filter Rows:
Order_Hour	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

2. Weekly Trend For Total Orders:

```
select weekofyear(order_date) as Week_Number, year(order_date) as Order_Year, count(distinct order_id) as
Total_Orders from pizza_sales
group by weekofyear(order_date), year(order_date)
order by weekofyear(order_date), year(order_date);
```

Result Grid			 Filter Rows:	
	Week_Number	Order_Year	Total_Orders	
▶	1	2015	254	
	2	2015	427	
	3	2015	400	
	4	2015	415	
	5	2015	436	
	6	2015	422	
	7	2015	423	
	8	2015	393	
	9	2015	409	
	10	2015	420	
	11	2015	404	
	12	2015	416	
	13	2015	427	
	14	2015	433	
	15	2015	408	
	16	2015	414	
	17	2015	437	
	18	2015	423	
	19	2015	399	
	20	2015	458	

Week_Number	Order_Year	Total_Orders
21	2015	414
22	2015	390
23	2015	423
24	2015	418
25	2015	410
26	2015	416
27	2015	474
28	2015	417
29	2015	420
30	2015	433
31	2015	419
32	2015	426
33	2015	435
34	2015	407
35	2015	394
36	2015	397
37	2015	435
38	2015	423
39	2015	288
40	2015	433

41	2015	334
42	2015	386
43	2015	352
44	2015	371
45	2015	394
46	2015	400
47	2015	392
48	2015	491
49	2015	424
50	2015	417
51	2015	430
52	2015	298
53	2015	171

3. Percentage Of Sales by Pizza Category:

```
select pizza_category, cast(sum(total_price) as decimal(10, 2)) as Total_Sales,  
cast(sum(total_price) * 100 / (select sum(total_price) from pizza_sales) as decimal(10, 2)) as PCT from pizza_sales  
group by pizza_category;
```

	pizza_category	Total_Sales	PCT
▶	Classic	220053.10	26.91
	Veggie	193690.45	23.68
	Supreme	208197.00	25.46
	Chicken	195919.50	23.96

4. Percentage Of Sales by Pizza Size:

```
select pizza_size, cast(sum(total_price) as decimal(10, 2)) as Total_Sales,  
cast(sum(total_price) * 100 / (select sum(total_price) from pizza_sales) as decimal(10, 2)) as PCT_S from pizza_sales  
group by pizza_size  
order by PCT_S desc;
```

	pizza_size	Total_Sales	PCT_S
▶	L	375318.70	45.89
	M	249382.25	30.49
	S	178076.50	21.77
	XL	14076.00	1.72
	XXL	1006.60	0.12

5. Total Pizzas Sold by Pizza Category:

```
select pizza_category, sum(quantity) as Total_Pizzas_Sold_Category from pizza_sales  
group by pizza_category  
order by Total_Pizzas_Sold_Category desc;
```

	pizza_category	Total_Pizzas_Sold_Category
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

6. Top 5 Pizzas by Revenue:

```
select pizza_name, sum(total_price) 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
	The California Chicken Pizza	41409.5
	The Classic Deluxe Pizza	38180.5
	The Spicy Italian Pizza	34831.25

7. Bottom 5 Pizzas by Revenue:

`select pizza_name, sum(total_price) as Total_Revenue from pizza_sales group by pizza_name order by Total_Revenue limit 5;`

	pizza_name	Total_Revenue
▶	The Brie Carre Pizza	11588.499999999999
	The Green Garden Pizza	13955.75
	The Spinach Supreme Pizza	15277.75
	The Mediterranean Pizza	15360.5
	The Spinach Pesto Pizza	15596

8. Top 5 Pizzas 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

9. Bottom 5 Pizzas by Total Quantity:

`select pizza_name, sum(quantity) as Total_Quantity from pizza_sales group by pizza_name order by Total_Quantity limit 5;`

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



10. Top 5 Pizzas 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

11. Bottom 5 Pizzas 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;`

Result Grid   Filter Rows: <input type="text"/>		
	pizza_name	Total_Orders
▶	The Brie Carre Pizza	480
	The Mediterranean Pizza	912
	The Calabrese Pizza	918
	The Spinach Supreme Pizza	918
	The Chicken Pesto Pizza	938