

PIZZA SALES SQL QUERIES

```
select * from pizza_sales;
```

Results Messages												
	pizza_id	order_id	pizza_name_id	quantity	order_date	order_time	unit_price	total_price	pizza_size	pizza_category	pizza_ingredients	pk
1	1	1	hawaiian_m	1	2015-01-01	11:38:36.0000000	13.25	13.25	M	Classic	Steak Ham, Pineapple, Mozzarella Cheese	TI
2	2	2	classic_db_m	1	2015-01-01	11:57:40.0000000	16	16	M	Classic	Pepperoni, Mushrooms, Red Onions, Red Peppers, Ba	TI
3	3	2	five_cheese_l	1	2015-01-01	11:57:40.0000000	16.5	16.5	L	Veggie	Mozzarella Cheese, Provolone Cheese, Smoked Goud	TI
4	4	2	ital_supr_l	1	2015-01-01	11:57:40.0000000	20.75	20.75	L	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions	TI
5	5	2	mexicana_m	1	2015-01-01	11:57:40.0000000	16	16	M	Veggie	Tomatoes, Red Peppers, Jalapeno Peppers, Red Onio	TI
6	6	2	thai_chn_l	1	2015-01-01	11:57:40.0000000	20.75	20.75	L	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, Thai Sw	TI
7	7	3	ital_supr_m	1	2015-01-01	12:12:28.0000000	16.5	16.5	M	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions	TI
8	8	3	prsc_argia_l	1	2015-01-01	12:12:28.0000000	20.75	20.75	L	Supreme	Proscutto di San Daniele, Arugula, Mozzarella Cheese	TI
9	9	4	ital_supr_m	1	2015-01-01	12:16:31.0000000	16.5	16.5	M	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions	TI
10	10	5	ital_supr_m	1	2015-01-01	12:21:30.0000000	16.5	16.5	M	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions	TI
11	11	6	bbq_chk_s	1	2015-01-01	12:29:38.0000000	12.75	12.75	S	Chicken	Barbecued Chicken, Red Peppers, Green Peppers, To	TI
12	12	6	the_greek_s	1	2015-01-01	12:29:38.0000000	12	12	S	Classic	Kalamata Olives, Feta Cheese, Tomatoes, Garlic, Beef	TI
13	13	7	spinach_supr_l	1	2015-01-01	12:50:37.0000000	12.5	12.5	S	Supreme	Spinach, Red Onions, Pepperoni, Tomatoes, Artichoke	TI
14	14	8	spinach_supr_l	1	2015-01-01	12:51:37.0000000	12.5	12.5	S	Supreme	Spinach, Red Onions, Pepperoni, Tomatoes, Artichoke	TI
15	15	8	classic_db_s	1	2015-01-01	12:52:01.0000000	12	12	S	Classic	Pepperoni, Mushrooms, Red Onions, Red Peppers, Ba	TI
16	16	9	green_garde_l	1	2015-01-01	12:52:01.0000000	12	12	S	Veggie	Spinach, Mushrooms, Tomatoes, Green Olives, Feta C	TI
17	17	9	ital_cpdllo_l	1	2015-01-01	12:52:01.0000000	20.5	20.5	L	Classic	Capocollo, Red Peppers, Tomatoes, Goat Cheese, Ga	TI
18	18	9	ital_supr_l	1	2015-01-01	12:52:01.0000000	20.75	20.75	L	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions	TI
19	19	9	ital_supr_s	1	2015-01-01	12:52:01.0000000	12.5	12.5	S	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions	TI

Query executed successfully.

DESKTOP-M1811M1 [MS-DOS] (59) PizzaDB 00:00:01 48,620 rows

A- KPI's

1- Total Revenue:

```
select sum(total price) as Total Revenue from pizza sales;
```

Results		Messages	
	Total_Revenue		
1	817860.05083847		

2- Average Order Value

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

Results		Messages
	Avg_Order_Value	
1	38.3072623343546	

3- Total Pizza Sold

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

Results Messages	
	Total_Pizza_Sold
1	49574

4- Total Order

```
select count(distinct order_id) as Total_Order  
from pizza_sales;
```

Results Messages	
	Total_Order
1	21350

5- Average Pizza Per Order

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

Results Messages	
	Average_Pizza_Per_Order
1	2.32

B- Chart Requirements

1- Daily Trends for Total orders

```
select DATENAME(DW, order_date) as order_day, count(distinct order_id) as  
Total_Order  
  
from pizza_sales  
  
group by DATENAME(DW, order_date);
```

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

2- Hourly Trends for Total Orders

```
select DATEPART(hour, order_time) as Order_Hours, count(distinct order_id) as  
Total_order  
  
from pizza_sales  
  
group by DATEPART(hour, order_time)  
order by DATEPART(hour, order_time);
```

Results		Messages
	Order_Hours	Total_order
1	9	1
2	10	8
3	11	1231
4	12	2520
5	13	2455
6	14	1472
7	15	1468
8	16	1920
9	17	2336
10	18	2399
11	19	2009
12	20	1642
13	21	1198
14	22	663
15	23	28

3- Percentage of Sales by Pizza Category

```

select pizza_category,sum(total_price) as Total_Sales, sum(total_price)*100 /
(select sum(total_price) from pizza_sales where MONTH(order_date) = 1) as
Percentage_Total_Sales
from pizza_sales as Total_Sales
where MONTH(order_date) = 1
group by pizza_category;

```

Results		Messages	
	pizza_category	Total_Sales	Percentage_Total_Sales
1	Classic	18619.4000015259	26.6779189176038
2	Chicken	16188.75	23.1952780348435
3	Veggie	17055.4000778198	24.4370162489706
4	Supreme	17929.7499866486	25.6897867985821

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
Percentage_Total_Sales
```

```
from pizza_sales as Total_Sales
```

```
group by pizza_size
```

```
order by Percentage_Total_Sales desc;
```

Results		Messages	
	pizza_size	Total_Sales	Percentage_Total_Sales
1	L	375318.70	45.89
2	M	249382.25	30.49
3	S	178076.50	21.77
4	XL	14076.00	1.72
5	XXL	1006.60	0.12

5- Total Pizza Sold by Pizza Category

```
select pizza_category, sum(quantity) as Total_Pizza_Sold
from pizza_sales
group by pizza_category;
```

Results Messages		
	pizza_category	Total_Pizza_Sold
1	Classic	14888
2	Chicken	11050
3	Veggie	11649
4	Supreme	11987



6- Top 5 Best Seller by Total Pizza Sold

```
select top 5 pizza_name, sum(quantity) as Total_Pizza_Sold
from pizza_sales
group by pizza_name
order by Total_Pizza_Sold desc;
```

Results Messages		
	pizza_name	Total_Pizza_Sold
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

7- Bottom 5 Worst Seller by Total Pizza Sold

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

 Results  Messages		
	pizza_name	Total_Pizza_Sold
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