

Pizza Sales SQL Queries

1. Data

```
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	pizza_name
1	774	336	prosc_argia_l	1	2015-01-06	14:51:41.0000000	20.75	20.75	L	Supreme	Prosciutto di San Daniele, Arugula, Mozzarella Cheese	The Prosciutto and Arugula Pizza
2	775	337	hawaiian_l	1	2015-01-06	15:03:12.0000000	16.5	16.5	L	Classic	Sliced Ham, Pineapple, Mozzarella Cheese	The Hawaiian Pizza
3	776	337	pepperoni_l	1	2015-01-06	15:03:12.0000000	15.25	15.25	L	Classic	Mozzarella Cheese, Pepperoni	The Pepperoni Pizza
4	777	338	mexicana_l	1	2015-01-06	15:18:26.0000000	20.25	20.25	L	Veggie	Tomatoes, Red Peppers, Jalapeno Peppers, Red Onio...	The Mexican Pizza
5	778	338	thai_chn_l	1	2015-01-06	15:18:26.0000000	20.75	20.75	L	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, Thai Sw...	The Thai Chicken Pizza
6	779	338	the_greek_xl	1	2015-01-06	15:18:26.0000000	25.5	25.5	XL	Classic	Kalamata Olives, Feta Cheese, Tomatoes, Garlic, Beef...	The Greek Pizza
7	780	339	spicy_ital_m	1	2015-01-06	15:25:13.0000000	16.5	16.5	M	Supreme	Capocollo, Tomatoes, Goat Cheese, Artichokes, Peper...	The Spicy Italian Pizza
8	781	340	peppr_salami_s	1	2015-01-06	15:35:32.0000000	12.5	12.5	S	Supreme	Genoa Salami, Capocollo, Pepperoni, Tomatoes, Asia...	The Pepper Salami Pizza
9	782	341	bbq_chn_m	1	2015-01-06	15:35:47.0000000	16.75	16.75	M	Chicken	Barbecued Chicken, Red Peppers, Green Peppers, To...	The Barbecue Chicken Pizza
10	783	341	pepperoni_s	1	2015-01-06	15:35:47.0000000	9.75	9.75	S	Classic	Mozzarella Cheese, Pepperoni	The Pepperoni Pizza
11	784	342	sicilian_l	1	2015-01-06	15:44:12.0000000	20.25	20.25	L	Supreme	Coarse Sicilian Salami, Tomatoes, Green Olives, Luga...	The Sicilian Pizza
12	785	342	southw_chn_l	1	2015-01-06	15:44:12.0000000	20.75	20.75	L	Chicken	Chicken, Tomatoes, Red Peppers, Red Onions, Jalape...	The Southwest Chicken Pizza
13	786	343	five_cheese_l	1	2015-01-06	15:45:37.0000000	18.5	18.5	L	Veggie	Mozzarella Cheese, Provolone Cheese, Smoked Goud...	The Five Cheese Pizza
14	787	343	four_cheese_m	1	2015-01-06	15:45:37.0000000	14.75	14.75	M	Veggie	Ricotta Cheese, Gorgonzola Piccante Cheese, Mozza...	The Four Cheese Pizza
15	788	344	ital_cpcllo_m	1	2015-01-06	16:01:11.0000000	16	16	M	Classic	Capocollo, Red Peppers, Tomatoes, Goat Cheese, Gar...	The Italian Capocollo Pizza
16	789	345	peppr_salami_s	1	2015-01-06	16:01:47.0000000	12.5	12.5	S	Supreme	Genoa Salami, Capocollo, Pepperoni, Tomatoes, Asia...	The Pepper Salami Pizza
17	790	346	peppr_salami_s	1	2015-01-06	16:01:47.0000000	12.5	12.5	S	Supreme	Genoa Salami, Capocollo, Pepperoni, Tomatoes, Asia...	The Pepper Salami Pizza
Query executed successfully.												
LAPTOP-14PRO15M (16.0 RTM) LAPTOP-14PRO15M(Daksh ... pizzadb 00:00:01 48,620 rows												

2. Total Revenue

```
select sum(total_price) as total_revenue from pizza_sales;
```

Results	Messages				
<table border="1"> <thead> <tr> <th></th><th>total_revenue</th></tr> </thead> <tbody> <tr> <td>1</td><td>817860.05083847</td></tr> </tbody> </table>		total_revenue	1	817860.05083847	
	total_revenue				
1	817860.05083847				

3. Total Pizzas Sold

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

Results	Messages				
<table border="1"> <thead> <tr> <th></th><th>total_pizzas_sold</th></tr> </thead> <tbody> <tr> <td>1</td><td>49574</td></tr> </tbody> </table>		total_pizzas_sold	1	49574	
	total_pizzas_sold				
1	49574				

4. Average Order Value

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

Results	Messages				
<table border="1"> <thead> <tr> <th></th><th>avg_order_value</th></tr> </thead> <tbody> <tr> <td>1</td><td>38.3072623343546</td></tr> </tbody> </table>		avg_order_value	1	38.3072623343546	
	avg_order_value				
1	38.3072623343546				

5. Total Orders

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

Results	Messages				
<table border="1"> <thead> <tr> <th></th><th>total_orders</th></tr> </thead> <tbody> <tr> <td>1</td><td>21350</td></tr> </tbody> </table>		total_orders	1	21350	
	total_orders				
1	21350				

6. Average Pizzas 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 avg_pizzas_per_order from pizza_sales;
```

Results	Messages				
<table border="1"> <thead> <tr> <th></th><th>avg_pizzas_per_order</th></tr> </thead> <tbody> <tr> <td>1</td><td>2.32</td></tr> </tbody> </table>		avg_pizzas_per_order	1	2.32	
	avg_pizzas_per_order				
1	2.32				

Chart Requirements:

1. Daily Trend for Total Orders

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

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

2. Monthly Trend for Total Orders

```
select datename(Month, order_date) as month_name, count(distinct order_id) as
total_orders from pizza_sales group by datename(Month, order_date) order by
total_orders desc;
```

	month_name	total_orders
1	July	1935
2	May	1853
3	January	1845
4	August	1841
5	March	1840
6	April	1799
7	November	1792
8	June	1773
9	February	1685
10	December	1680
11	September	1661
12	October	1646

3. Percentage of Sales by Pizza Category

```
select pizza_category, cast(sum(total_price) as decimal(10,3)) as total_sales,
cast(sum(total_price)*100 / (select sum(total_price) from pizza_sales where
month(order_date) = 1) as decimal(10,3)) as perc_total_sales from pizza_sales
where month(order_date) = 1 group by pizza_category;
```

	pizza_category	total_sales	perc_total_sales
1	Classic	18619.400	26.678
2	Chicken	16188.750	23.195
3	Veggie	17055.400	24.437
4	Supreme	17929.750	25.690

4. Percentage of Sales by Pizza Size

```
select pizza_size, cast(sum(total_price) as decimal(10,3)) as total_sales,
cast(sum(total_price)*100 / (select sum(total_price) from pizza_sales where
datepart(quarter, order_date) = 1) as decimal(10,3)) as perc_total_sales from
pizza_sales where datepart(quarter, order_date) = 1 group by pizza_size order
by perc_total_sales desc;
```

	pizza_size	total_sales	perc_total_sales
1	L	95229.650	46.374
2	M	61159.000	29.783
3	S	45384.250	22.101
4	XL	3289.500	1.602
5	XXL	287.600	0.140

5. Top 5 Pizzas by Revenue

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

	pizza_name	total_revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5
4	The Classic Deluxe Pizza	38180.5
5	The Spicy Italian Pizza	34831.25

6. Bottom 5 Pizzas by Revenue

```
select top 5 pizza_name, sum(total_price) as total_revenue from pizza_sales
group by pizza_name order by total_revenue asc;
```

	pizza_name	total_revenue
1	The Brie Carre Pizza	11588.4998130798
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.5
5	The Spinach Pesto Pizza	15596

7. Top 5 Pizzas by Quantity

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

	pizza_name	total_pizzas
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

8. Bottom 5 Pizzas by Quantity

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

	pizza_name	total_pizzas
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

9. Top 5 Pizzas by Orders

```
select top 5 pizza_name, count(distinct order_id) as total_orders from
pizza_sales group by pizza_name order by total_orders desc;
```

	pizza_name	total_orders
1	The Classic Deluxe Pizza	2329
2	The Hawaiian Pizza	2280
3	The Pepperoni Pizza	2278
4	The Barbecue Chicken Pizza	2273
5	The Thai Chicken Pizza	2225

10. Bottom 5 Pizzas by Orders

```
select top 5 pizza_name, count(distinct order_id) as total_orders from
pizza_sales group by pizza_name order by total_orders asc;
```

	pizza_name	total_orders
1	The Brie Carre Pizza	480
2	The Mediterranean Pizza	912
3	The Spinach Supreme Pizza	918
4	The Calabrese Pizza	918
5	The Chicken Pesto Pizza	938