



PROJECT

PIZZA - SALES





Retrieve the total number of orders placed

```
SELECT  
    COUNT(order_id)  
FROM  
    pizza_order;
```

Result Grid	
	count(order_id)
▶	21350



Calculate the total revenue generated from pizza sales

SELECT

```
ROUND(SUM(order_details.quantity * pizzas.price),  
      2) AS totalRevenue
```

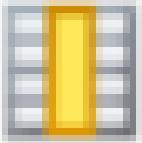
FROM

```
order_details
```

```
JOIN
```

```
pizzas ON order_details.pizza_id = pizzas.pizza_id;
```

Result Grid |



totalRevenue
817860.05



Identify the highest priced pizza

```
select pizza_types.name , pizzas.price as Highest_Pizza  
from pizza_types join pizzas  
on pizza_types.pizza_type_id = pizzas.pizza_type_id  
order by pizzas.price desc limit 1;
```

Result Grid | Filter Rows:

	name	Highest_Pizza
▶	The Greek Pizza	35.95



Identify the most common pizza size order

```
select pizzas.size ,count(order_details.order_details_id) as count
from pizzas join order_details
on pizzas.pizza_id = order_details.pizza_id
group by pizzas.size order by count desc limit 1;
```

Result Grid |

	size	count
▶	L	18526



list top 5 most ordered pizza type along with their quantity

```
select pizza_types.name , sum(order_details.quantity) as Quantity  
from pizza_types join pizzas  
on pizza_types.pizza_type_id = pizzas.pizza_type_id  
join order_details  
on order_details.pizza_id = pizzas.pizza_id  
group by pizza_types.name order by Quantity desc limit 5;
```

Result Grid | Filter Rows:

	name	Quantity
▶	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371



Join the necessary table to find the total quantity of each pizza category ordered

```
select pizza_types.category , sum(order_details.quantity) as Quantity  
from pizza_types join pizzas  
on pizza_types.pizza_type_id = pizzas.pizza_type_id  
join order_details  
on order_details.pizza_id = pizzas.pizza_id  
group by pizza_types.category order by Quantity desc ;
```

Result Grid | Filter

	category	Quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



Determine the distribution of orders by hours of the day

SELECT

HOUR(order_time) AS Hours, COUNT(order_id)

FROM

pizza_order

GROUP BY Hours;

	Hours	count(order_id)
▶	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
	10	8
	9	1



Join relevant tables to find the category wise distribution of pizza

```
SELECT  
    category, COUNT(name)  
FROM  
    pizza_types  
GROUP BY category;
```

Result Grid | Filter Row

	category	count(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9



Group the order by the date and calculate the average number of pizza per day

```
select round(avg(Quantity),0) as order_per_Day from  
(select pizza_order.order_date , sum(order_details.quantity) as Quantity  
from pizza_order join order_details  
on pizza_order.order_id = order_details.order_id  
group by pizza_order.order_date) as Order_Quantity;
```

Result Grid	
	order_per_Day
▶	138



Determine the top 3 most order pizza based on revenue

```
select pizza_types.name , sum(order_details.quantity * pizzas.price) as Revenue  
from pizza_types join pizzas  
on pizza_types.pizza_type_id = pizzas.pizza_type_id  
join order_details  
on order_details.pizza_id = pizzas.pizza_id  
group by pizza_types.name order by Revenue desc limit 3;
```

Result Grid | Filter Rows:

	name	Revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5



Calculate the percentage contribution of each pizza type to total revenue

```
SELECT pizza_types.category,
       (round((SUM(order_details.quantity * pizzas.price) /
              (SELECT SUM(order_details.quantity * pizzas.price)
               FROM order_details JOIN pizzas
               ON order_details.pizza_id = pizzas.pizza_id) * 100),2))
        AS percentage_contribution
  FROM pizza_types JOIN pizzas
    ON pizza_types.pizza_type_id = pizzas.pizza_type_id
   JOIN order_details
    ON order_details.pizza_id = pizzas.pizza_id
 GROUP BY pizza_types.category;
```

Result Grid | Filter Rows:

	category	percentage_contribution
▶	Classic	26.91
	Veggie	23.68
	Supreme	25.46
	Chicken	23.96



Analyze the commulative revenue generated over time

```
select order_date ,sum(revenue) over(order by order_date) as cumulative_Revenue  
from  
(select pizza_order.order_date ,  
sum(order_details.quantity * pizzas.price) as revenue  
from order_details join pizzas  
on order_details.pizza_id = pizzas.pizza_id  
join pizza_order  
on pizza_order.order_id = order_details.order_id  
group by pizza_order.order_date ) as sales;
```

order_date	cumulative_Revenue
2015-01-01	2713.850000000004
2015-01-02	5445.75
2015-01-03	8108.15
2015-01-04	9863.6
2015-01-05	11929.55
2015-01-06	14358.5



Determine the top 3 most ordered pizza type based on revenue for pizza category

```
select Name , revenue
from
(select category ,name , revenue ,rank() over(partition by category order by revenue desc) as rn
from
(select pizza_types.category,pizza_types.name,sum(order_details.quantity * pizzas.price) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.category , pizza_types.name )as a)as b
where rn<=3;
```

Name	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 Hawaiian Pizza	32273.25
The Pepperoni Pizza	30161.75
The Spicy Italian Pizza	34831.25
The Italian Supreme Pizza	33476.75
The Sicilian Pizza	30940.5
The Four Cheese Pizza	32265.70000000065
The Mexicana Pizza	26780.75
The Five Cheese Pizza	26066.5