



Pizza Sales SQL Project

Identify the highest-priced pizza.

```
SELECT
    pt.name, p.price
FROM
    pizza_types AS pt
    JOIN
        pizzas AS p ON pt.pizza_type_id = p.pizza_type_id
ORDER BY p.price DESC
LIMIT 1;
```

Result Grid			Filter Rows:	
	name	price		
▶	The Greek Pizza	35.95		



List the top 5 most ordered pizza types along with their quantities.

```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS quantities
FROM
    pizzas
    JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
    JOIN
    pizza_types ON pizza_types.pizza_type_id = pizzas.pizza_type_id
GROUP BY pizzas.pizza_type_id
ORDER BY quantities DESC
LIMIT 5;
```

Result Grid			Filter Rows:
	name	quantities	
▶	The Classic Deluxe Pizza	2453	
	The Barbecue Chicken Pizza	2432	
	The Hawaiian Pizza	2422	
	The Pepperoni Pizza	2418	
	The Thai Chicken Pizza	2371	

Determine the distribution of orders by hour of the day

```
SELECT  
    HOUR(order_time) AS hours, COUNT(order_id) AS order_count  
FROM  
    orders  
GROUP BY hours;
```

Result Grid					Filter Rows:
	hours	order_count			
▶	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			



Group the orders by date and calculate the average number of pizzas ordered per day.

```
SELECT
    ROUND(AVG(quantity), 0)
FROM
    (SELECT
        orders.order_date, SUM(order_details.quantity) AS quantity
    FROM
        orders
    JOIN order_details ON orders.order_id = order_details.order_id
    GROUP BY orders.order_date) AS pizza_per_day;
```

	ROUND(AVG(quantity), 0)
▶	138

Calculate the percentage contribution of each pizza type to total revenue

```
SELECT
    pizza_types.name,
    ROUND((SUM(pizzas.price * order_details.quantity) / (SELECT
        ROUND(SUM(order_details.quantity * pizzas.price),
            2)
        FROM
            order_details
            JOIN
                pizzas ON order_details.pizza_id = pizzas.pizza_id) * 100),
        2) AS revenue
FROM
    pizzas
    JOIN
        order_details ON order_details.pizza_id = pizzas.pizza_id
    JOIN
        pizza_types ON pizza_types.pizza_type_id = pizzas.pizza_type_id
GROUP BY pizza_types.name
ORDER BY revenue DESC;
```

Result Grid   Filter Rows: <input type="text"/>		
	name	revenue
▶	The Thai Chicken Pizza	5.31
	The Barbecue Chicken Pizza	5.23
	The California Chicken Pizza	5.06
	The Classic Deluxe Pizza	4.67
	The Spicy Italian Pizza	4.26
	The Southwest Chicken Pizza	4.24
	The Italian Supreme Pizza	4.09
	The Hawaiian Pizza	3.95
	The Four Cheese Pizza	3.95
	The Sicilian Pizza	3.78
	The Pepperoni Pizza	3.69
	The Greek Pizza	3.48
	The Mexicana Pizza	3.27
	The Five Cheese Pizza	3.19
	The Pepper Salami Pizza	3.12
	The Italian Capocollo Pizza	3.07
	The Vegetables + Vegetable...	2.98
	The Prosciutto and Arugula ...	2.96
	The Napolitana Pizza	2.95
	The Spinach and Feta Pizza	2.85
	The Big Meat Pizza	2.81
	The Pepperoni, Mushroom, ...	2.3
	The Chicken Alfredo Pizza	2.07
	The Chicken Pesto Pizza	2.04
	The Soppressata Pizza	2.01
	The Italian Vegetables Pizza	1.96
	The Calabrese Pizza	1.95
	The Spinach Pesto Pizza	1.91

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

```
select category, name, revenue from
(select category, name , revenue,
RANK() over(partition by category order by revenue desc) as rn
from
(SELECT
    pizza_types.name,pizza_types.category,
    sum(pizzas.price * order_details.quantity) AS revenue
FROM
    pizzas
    JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
    JOIN
    pizza_types ON pizza_types.pizza_type_id = pizzas.pizza_type_id
group by pizza_types.name
order by revenue desc) as a)as b
where rn<=3 ;
```

Result Grid				Filter Rows:	Export:	Wra
	category	name	revenue			
▶	Chicken	The Thai Chicken Pizza	43434.25			
	Chicken	The Barbecue Chicken Pizza	42768			
	Chicken	The California Chicken Pizza	41409.5			
	Classic	The Classic Deluxe Pizza	38180.5			
	Classic	The Hawaiian Pizza	32273.25			
	Classic	The Pepperoni Pizza	30161.75			
	Supreme	The Spicy Italian Pizza	34831.25			
	Supreme	The Italian Supreme Pizza	33476.75			
	Supreme	The Sicilian Pizza	30940.5			
	Veggie	The Four Cheese Pizza	32265.70000000065			
	Veggie	The Mexicana Pizza	26780.75			
	Veggie	The Five Cheese Pizza	26066.5			



Pizza Sales Analysis

A year's worth of sales from a fictitious pizza place.



Average Customers
Per Day

60

Average Pizzas Per
Order

2

Total Profit

\$817.86K

Profit by Category

Classic

Supreme

Chicken

Veggie

Top 5 Best Selling Pizzas

The Thai Chicken Pizza

\$43,434.25

Sum of profit

The Spicy Italian Pizza

\$34,831.25

Sum of profit

The Classic Deluxe Pizza

\$38,180.5

Sum of profit

The California Chicken Pizza

\$41,409.5

Sum of profit

The Barbecue Chicken Pizza

\$42,768

Sum of profit

Top 5 Worst Selling Pizzas

The Brie Carre Pizza

\$11,588.5

Sum of profit

The Green Garden Pizza

\$13,955.75

Sum of profit

The Spinach Supreme Pizza

\$15,277.75

Sum of profit

The Mediterranean Pizza

\$15,360.5

Sum of profit

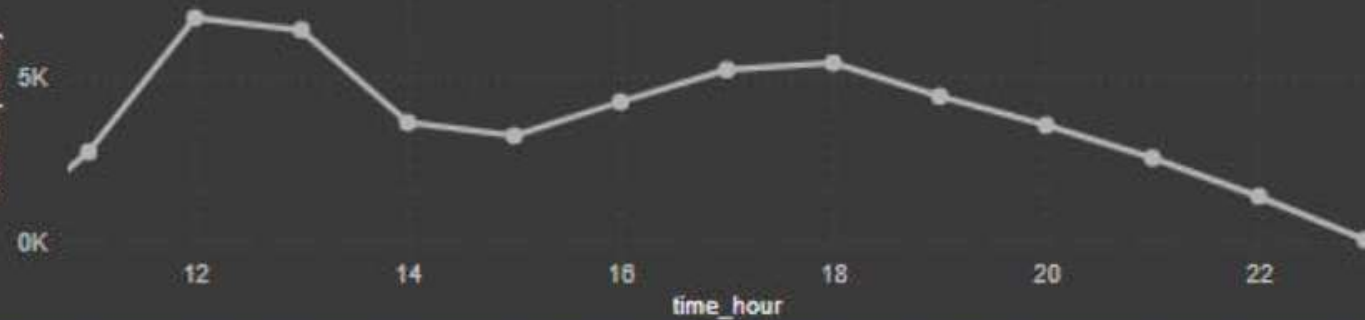
The Spinach Pesto Pizza

\$15,596

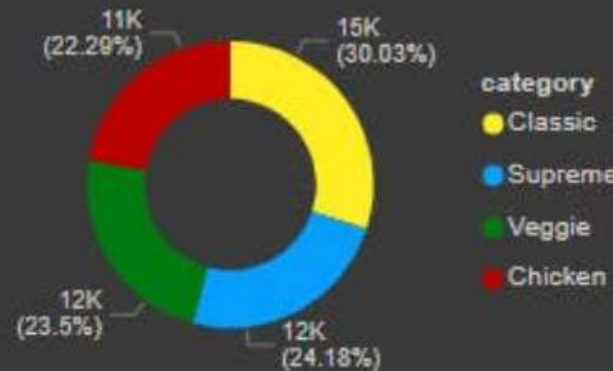
Sum of profit

Peak Hour of Sale

Sum of quantity



Pizza Sales by Category



Pizza Sales by Size

