

PIZZA SALES DATA



Retrieve the total number of orders placed.

```
SELECT  
    COUNT(order_id) AS total_orders  
FROM  
    orders;
```

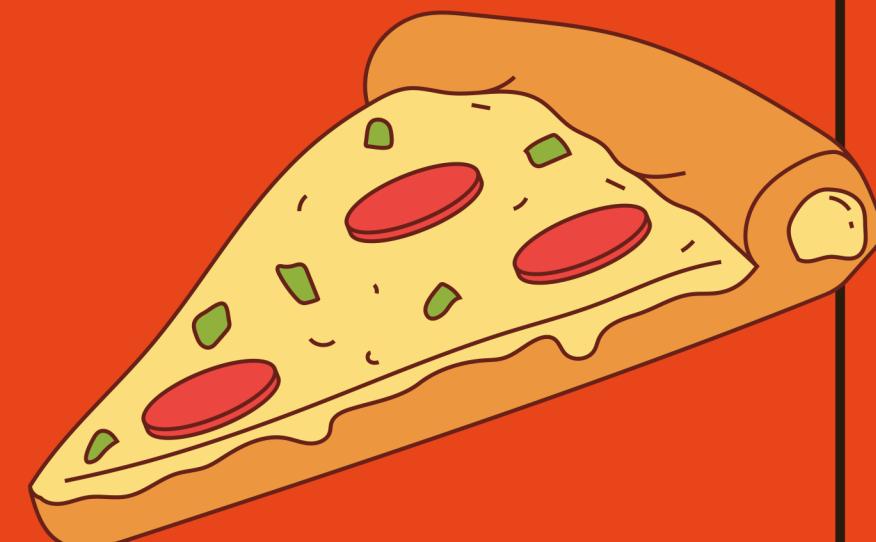
	total_orders
▶	21350



Calculate the total revenue generated from pizza sales.

```
SELECT  
    Round(SUM(od.quantity * p.price), 2) AS total_revenue  
FROM  
    order_details AS od  
        LEFT JOIN  
    pizzas AS p ON od.pizza_id = p.pizza_id;
```

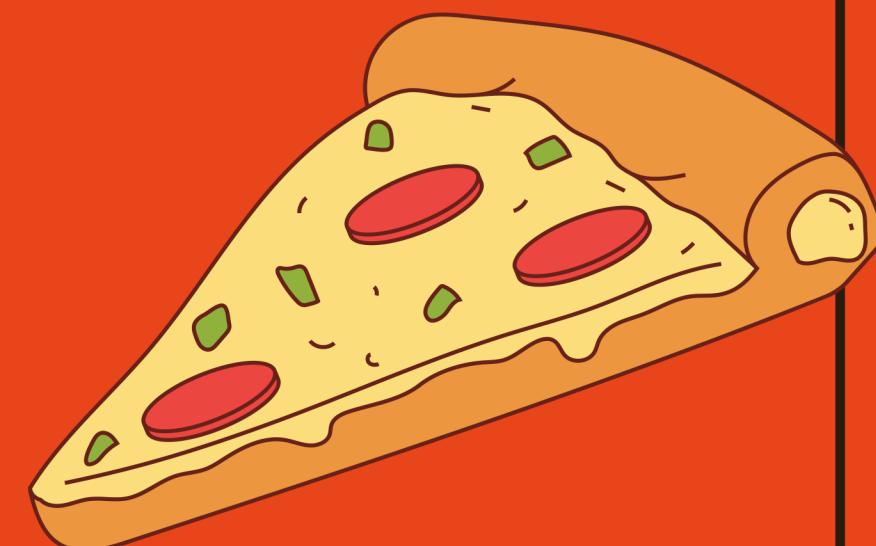
	total_revenue
817860.05	



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;
```

	name	price
▶	The Greek Pizza	35.95



Identify the most common pizza quantity ordered.

```
SELECT  
    quantity, COUNT(order_details_id)  
FROM  
    order_details  
GROUP BY quantity ASC  
LIMIT 1;
```

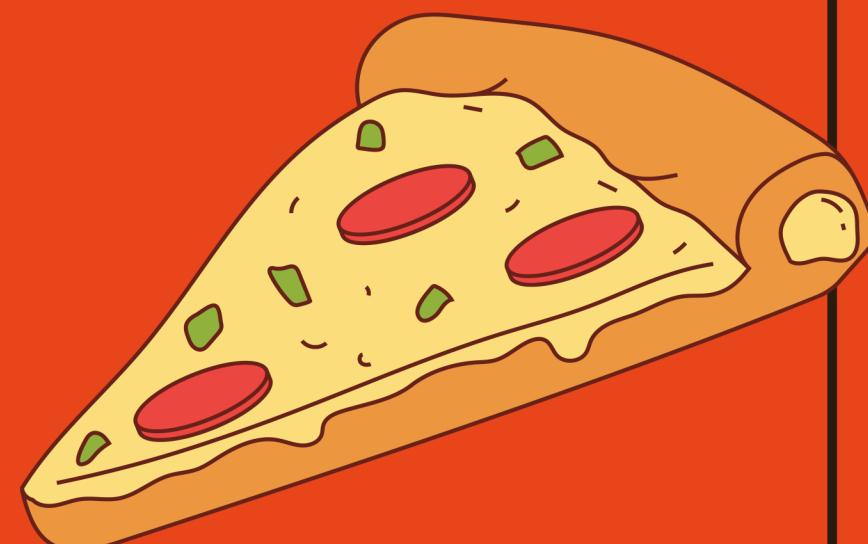
	quantity	COUNT(order_details_id)
▶	1	47693



Identify the most common pizza size ordered.

```
SELECT
    pizzas.size, COUNT(order_details.order_details_id) as order_count
FROM
    pizzas
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC
LIMIT 1;
```

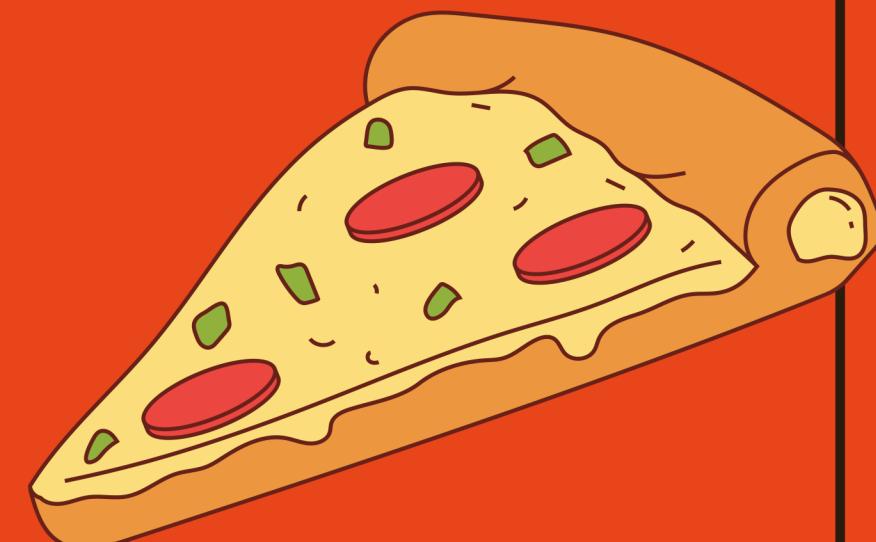
	size	order_count
▶	L	18526



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

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

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 tables to find the total quantity of each pizza ordered

SELECT

```
pt.name, SUM(od.quantity) as Total_Quantity_Ordered
```

FROM

```
order_details AS od
```

JOIN

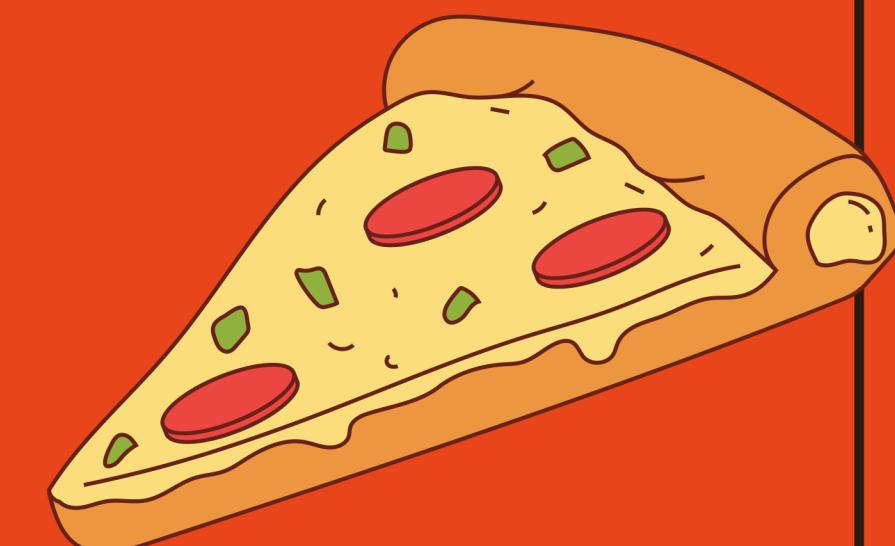
```
pizzas AS p ON od.pizza_id = p.pizza_id
```

JOIN

```
pizza_types AS pt ON pt.pizza_type_id = p.pizza_type_id
```

GROUP BY pt.name;

name	Total_Quantity_Ordered
The Barbecue Chicken Pizza	2432
The Big Meat Pizza	1914
The Brie Carre Pizza	490
The Calabrese Pizza	937
The California Chicken Pizza	2370
The Chicken Alfredo Pizza	987
The Chicken Pesto Pizza	973



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

SELECT

```
pt.category, SUM(od.quantity) as Total_Quantity_Ordered  
FROM  
    order_details AS od  
        JOIN  
        pizzas AS p ON od.pizza_id = p.pizza_id  
        JOIN  
        pizza_types AS pt ON pt.pizza_type_id = p.pizza_type_id  
GROUP BY pt.category;
```

	category	Total_Quantity_Ordered
▶	Chicken	11050
	Classic	14888
	Supreme	11987
	Veggie	11649



Determine the total quantity of orders by hour of the day

```
SELECT  
    HOUR(o.order_time) AS Hour, SUM(od.quantity) AS Quantity_Ordered  
FROM  
    orders AS o  
    JOIN  
        order_details AS od ON o.order_id = od.order_id  
GROUP BY Hour ASC;
```

Hour	Quantity_Ordered
9	4
10	18
11	2728
12	6776
13	6413
14	3613
15	3216



Determine the distribution of orders by hour of the day

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

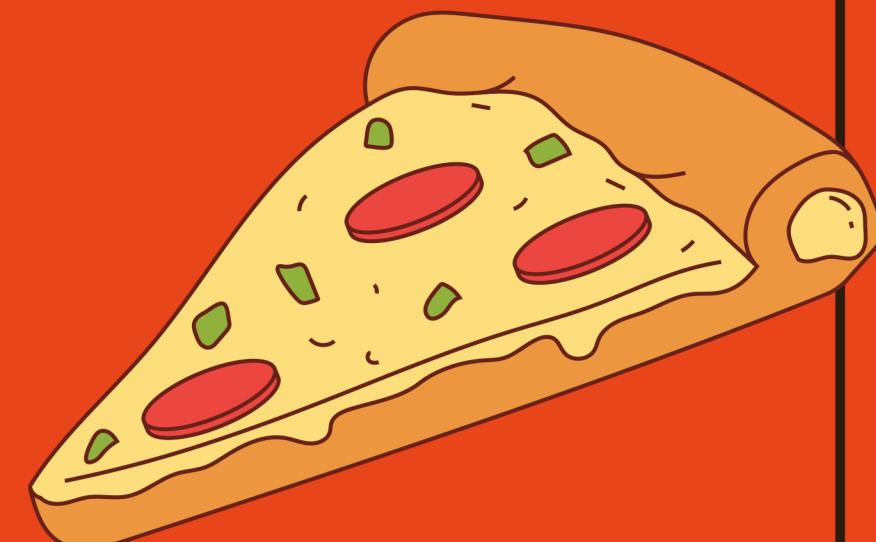
Hour	order_count
9	1
10	8
11	1231
12	2520
13	2455
14	1472
15	1468



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

```
SELECT  
    ROUND(AVG(Daily_Quant.Total_Quant)) AS Daily_Avg_order  
FROM  
    (SELECT  
        o.order_date AS Date, SUM(od.quantity) AS Total_Quant  
    FROM  
        orders AS o  
    JOIN order_details AS od ON o.order_id = od.order_id  
    GROUP BY Date) AS Daily_Quant;
```

	Daily_Avg_order
▶	138



Determine the top 3 most ordered pizza type based on revenue

```
SELECT pt.name, SUM(od.quantity * p.price) AS Revenue
FROM pizzas AS p
    JOIN pizza_types AS pt ON p.pizza_type_id = pt.pizza_type_id
    JOIN order_details AS od ON od.pizza_id = p.pizza_id
GROUP BY pt.name
ORDER BY Revenue DESC
LIMIT 3;
```

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

