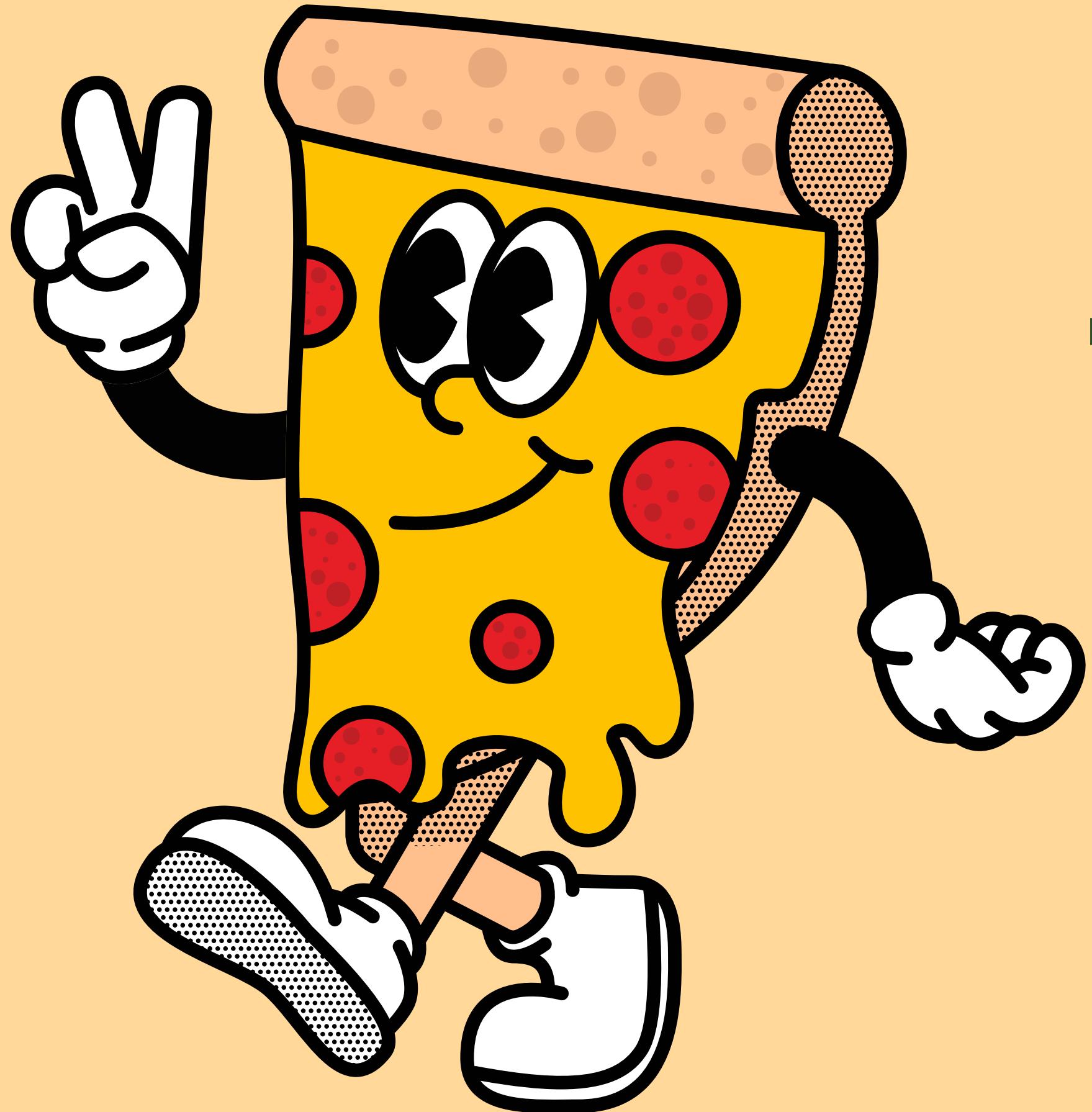


PIZZA SALES ANALYSIS USING SQL



Hello!

I'm conducting an in-depth analysis of pizza sales utilizing **SQL**, a powerful database querying language. Through **SQL** queries, I'm extracting valuable insights regarding our pizza sales performance. This analysis involves examining various metrics such as total revenue, average order value, and popular toppings. By delving into our sales data, I aim to uncover patterns, trends, and opportunities for optimization. Ultimately, this endeavor will empower us to make data-driven decisions and enhance our overall business strategy in the competitive pizza market.



TABLES USED IN SQL

- ORDERS
- ORDERS_DETAILS
- PIZZA_TYPES
- PIZZA



QUESTIONS ON WHICH QUERY PERFORMED

- Retrieve the total number of orders placed.
- Calculate the total revenue generated from pizza sales.
- Identify the highest-priced pizza.
- Identify the most common pizza size ordered.
- List the top 5 most ordered pizza types along with their quantities.
- Join the necessary tables to find the total quantity of each pizza category ordered.
- Join relevant tables to find the category-wise distribution of pizzas.
- Group the orders by date and calculate the average number of pizzas ordered per day.
- Determine the top 3 most ordered pizza types based on revenue.



Retrieve the total number of orders placed.

```
1 select count(order_id) as total_orders from orders  
2
```

	total_orders	lock
1	42700	



Calculate the total revenue generated from pizza sales.

```
select  
round(sum(order_details.quantity * pizza.price)) as total_sales  
from order_details join pizza  
on pizza.pizza_id = order_details.pizza_id
```



	total_sales
1	double precision
	817860

Identify the highest-priced pizza.

```
select pizza_types.name, pizza.price  
from pizza_types join pizza  
on pizza_types.pizza_type_id = pizza.pizza_type_id  
order by pizza.price desc limit 1
```

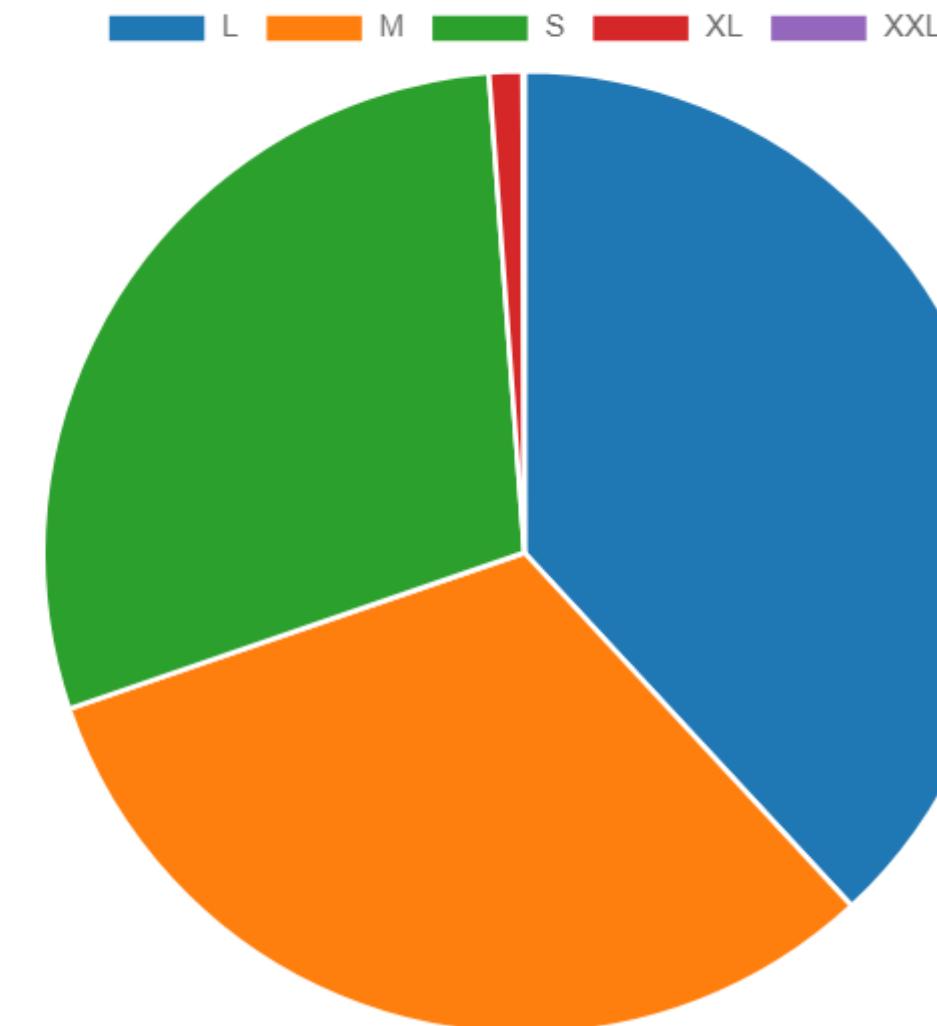


	name character varying (100)	price real
1	The Greek Pizza	35.95

Identify the most common pizza size ordered.

```
select pizza.size, count(order_details.order_details_id) as order_count  
from pizza join order_details  
on pizza.pizza_id = order_details.pizza_id  
group by pizza.size order by order_count desc
```

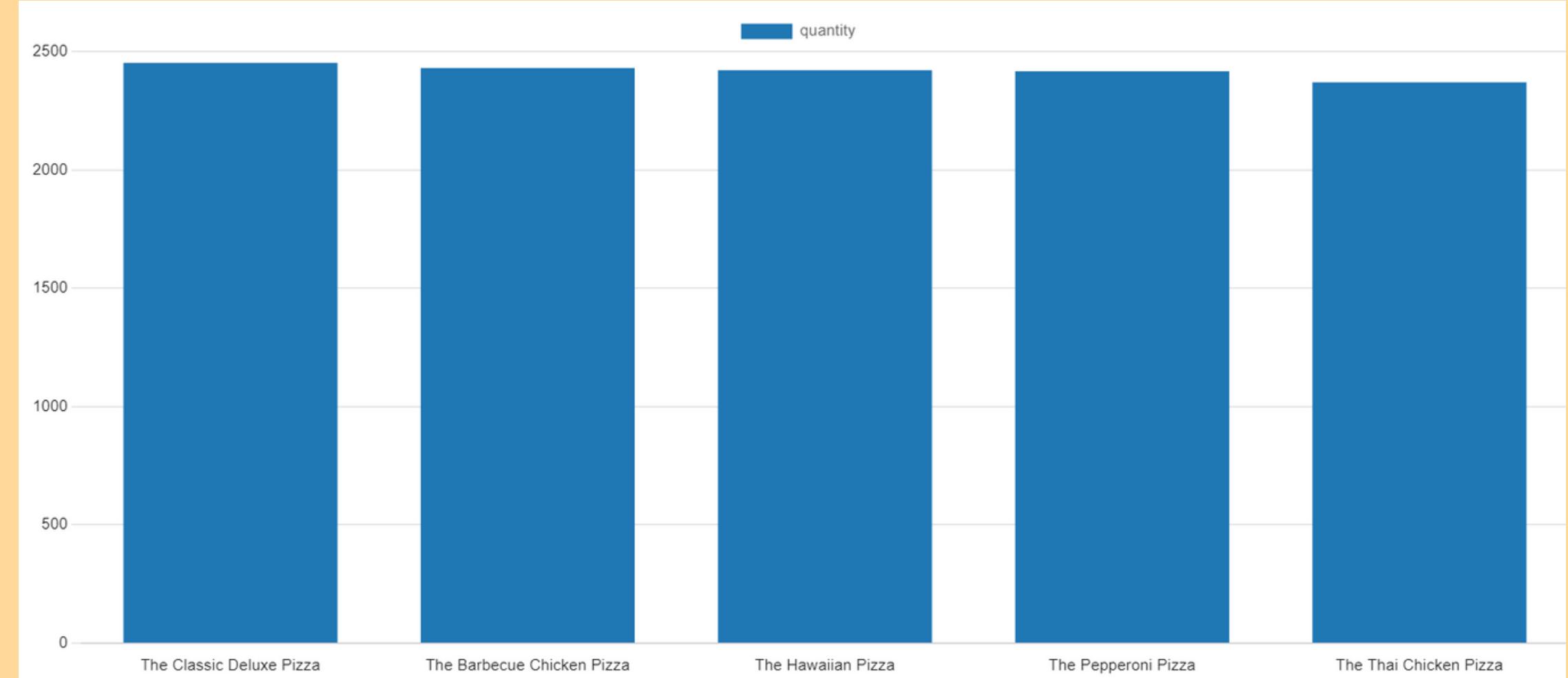
	size character varying (50)	order_count bigint
1	L	18526
2	M	15385
3	S	14137
4	XL	544
5	XXL	28



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

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

	name character varying (100)	quantity bigint
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

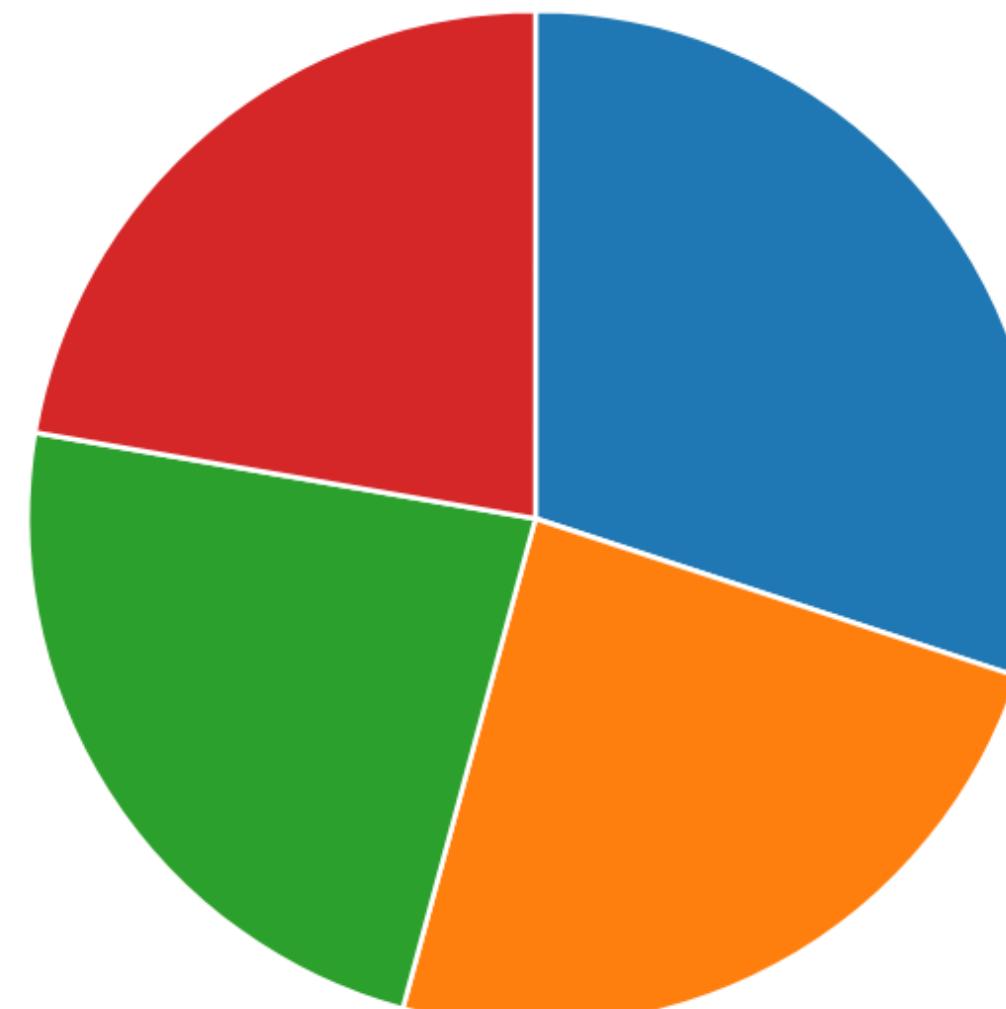


Join the necessary tables to find the total quantity of each pizza category ordered.

```
select pizza_types.category, sum(order_details.quantity) as quantity
from pizza_types join pizza
on pizza_types.pizza_type_id = pizza.pizza_type_id
join order_details
on order_details.pizza_id = pizza.pizza_id
group by pizza_types.category order by quantity des
```

	category character varying (100)	quantity bigint
1	Classic	14888
2	Supreme	11987
3	Veggie	11649
4	Chicken	11050

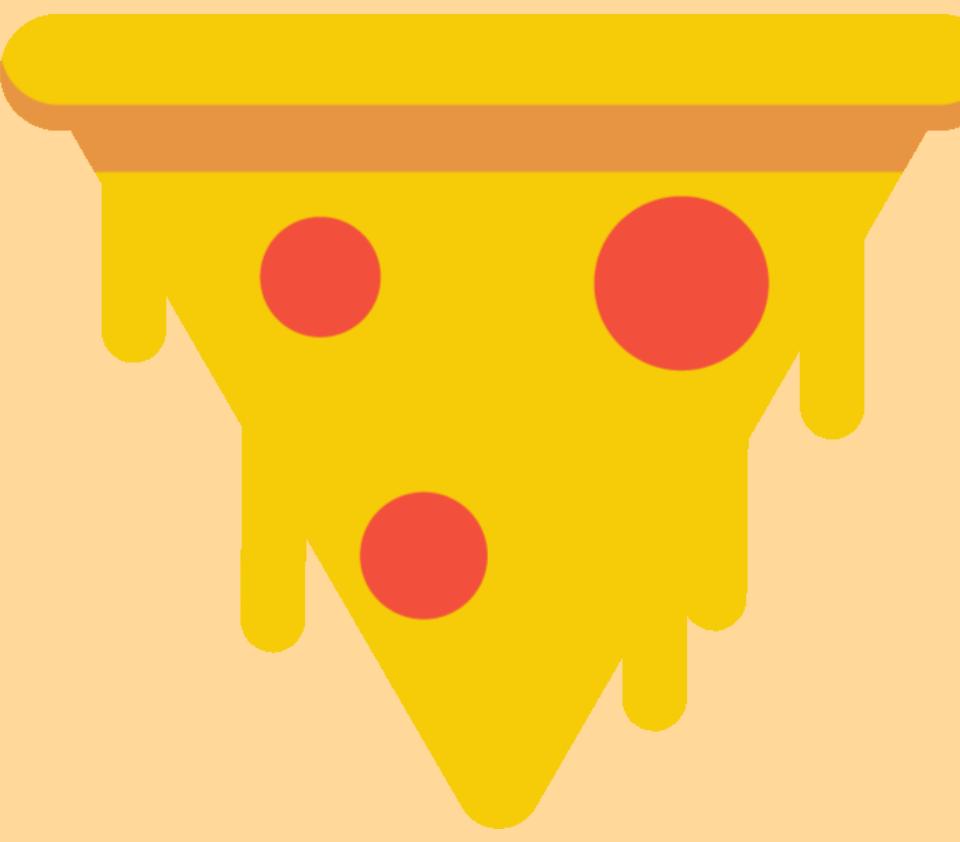
Classic Supreme Veggie Chicken



Join relevant tables to find the category-wise distribution of pizzas.

```
select category, count(name)  
from pizza_types  
group by category
```

	category character varying (100) 	count bigint 
1	Supreme	9
2	Classic	8
3	Veggie	9
4	Chicken	6



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

```
select round(avg(orders),0) as orders from  
(select orders.date, sum(order_details.quantity) as orders  
from orders join order_details  
on orders.order_id = order_details.order_id  
group by orders.date) as order_qty
```

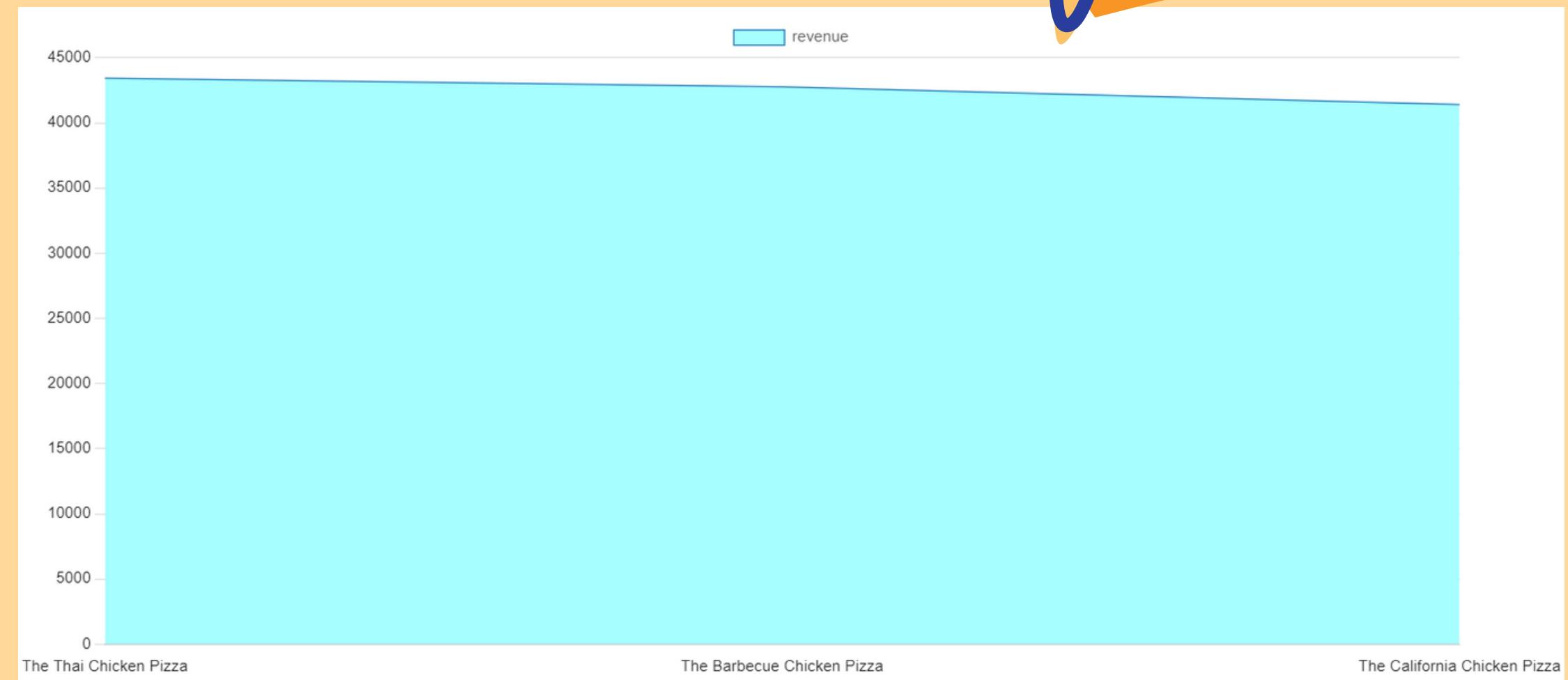


	orders	numeric
1		277

Determine the top 3 most ordered pizza types based on revenue.

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

	name character varying (100)	revenue double precision
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5





**THANK
YOU**