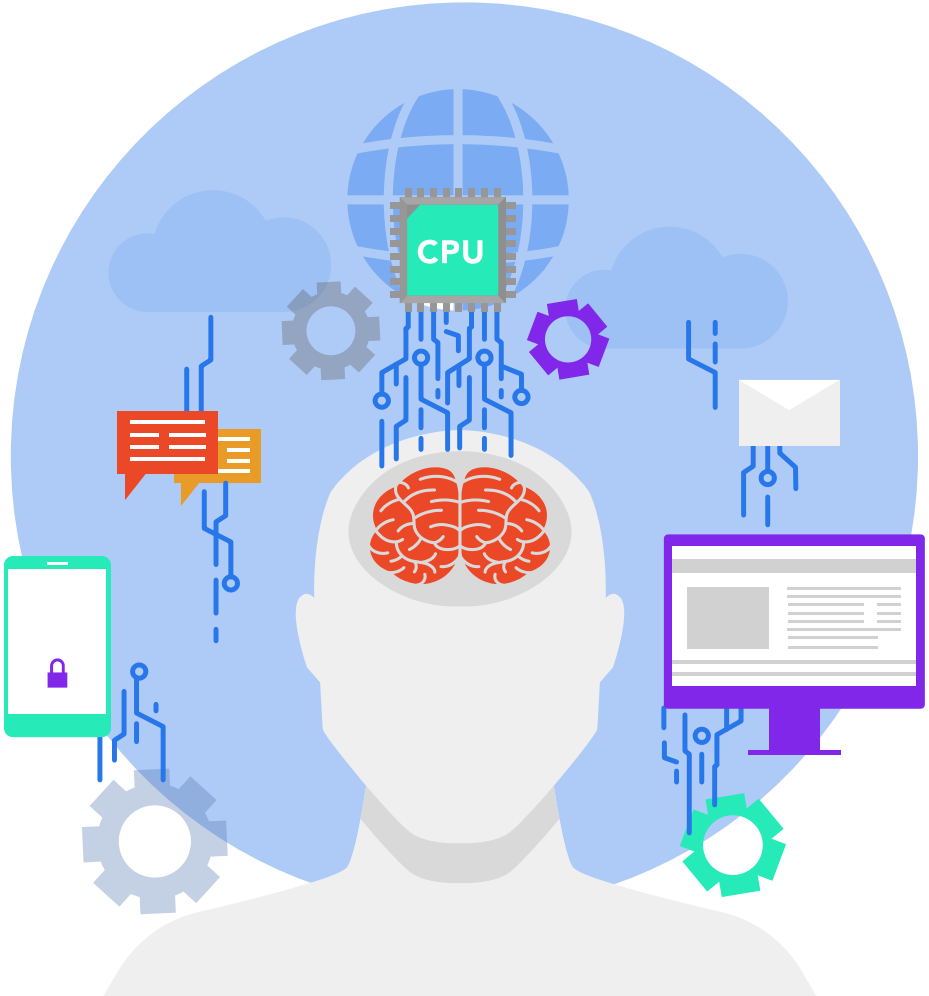


SQL Maven Pizza Sales Analysis

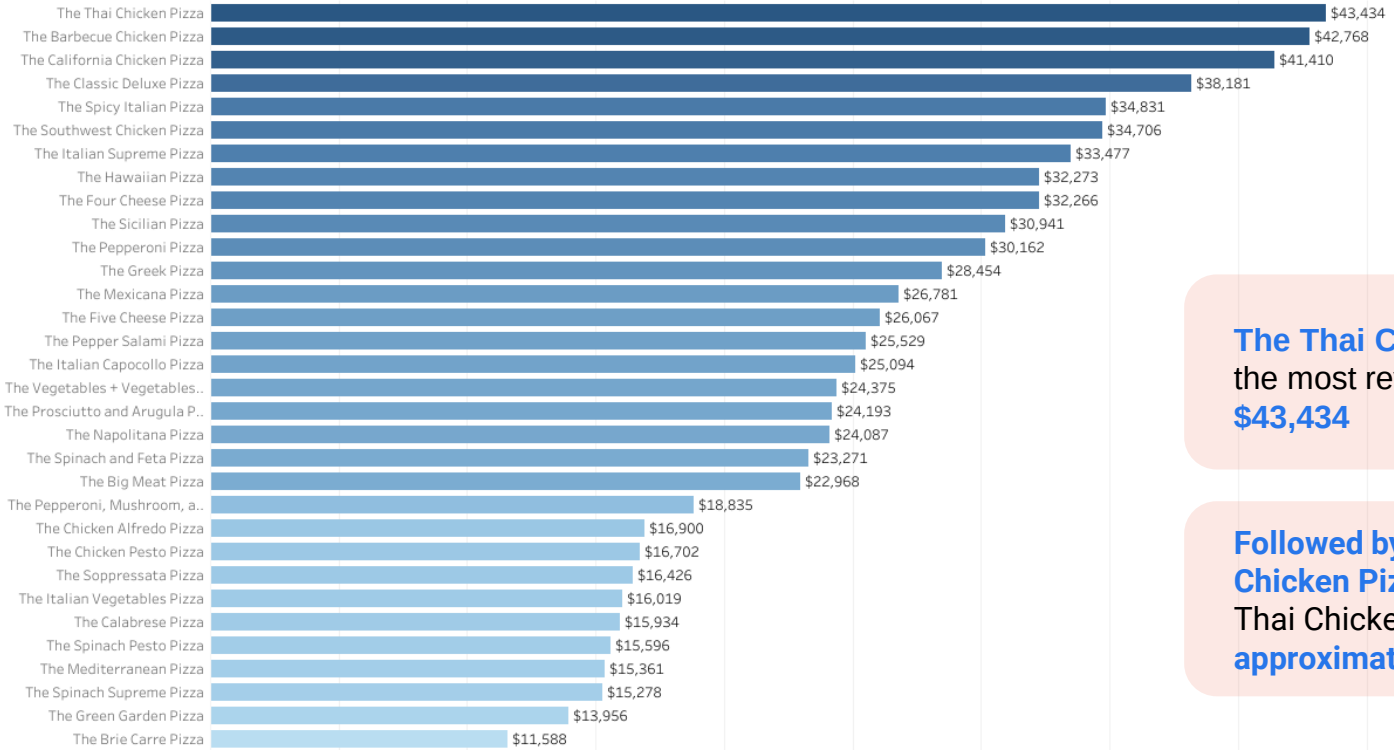
Fauzia Y. Ayupuspita

Write an SQL statement to count Total Revenue Per Pizza Name

```sql
with table1 as(
    select p.pizza_id,
        p.pizza_type_id,
        t.name,
        t.category,
        p.size,
        t.ingredients,
        p.price,
        od.quantity,
        (od.quantity * p.price) total_sales,
        od.order_details_id,
        od.order_id,
        o.date,
        o.time
    from pizzas p
    left join pizza_types t
        on p.pizza_type_id = t.pizza_type_id
    left join pizza_order_details od
        on p.pizza_id = od.pizza_id
    left join pizza_orders o
        on od.order_id = o.order_id
    order by 1
)

/*
    Count Total Sales Per Pizza Name
 */
select
    name,
    sum(total_sales) total_sales_per_pizza
from table1
group by name
```

Thai Chicken Pizza Made The Most Revenue



The Thai Chicken Pizza is has the most revenue in 2015 with **$43,434**

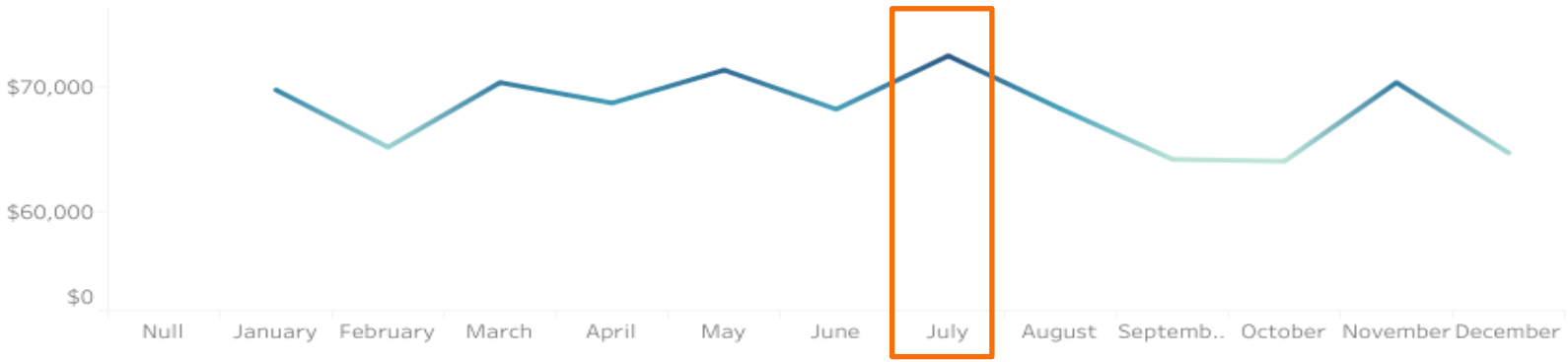
Followed by The Barbeque Chicken Pizza with a difference of Thai Chicken Pizza of **approximately $666**

Write an SQL statement to count total sales each month

```sql
with table1 as(
    select p.pizza_id,
        p.pizza_type_id,
        t.name,
        t.category,
        p.size,
        t.ingredients,
        p.price,
        od.quantity,
        (od.quantity * p.price) total_sales,
        od.order_details_id,
        od.order_id,
        o.date,
        o.time
    from pizzas p
    left join pizza_types t
        on p.pizza_type_id = t.pizza_type_id
    left join pizza_order_details od
        on p.pizza_id = od.pizza_id
    left join pizza_orders o
        on od.order_id = o.order_id
    order by 1
)

/*
    Count Total Sales Ordered Each Day
 */
select
    date,
    sum(quantity) total_sales_per_day
from table1
group by date
```

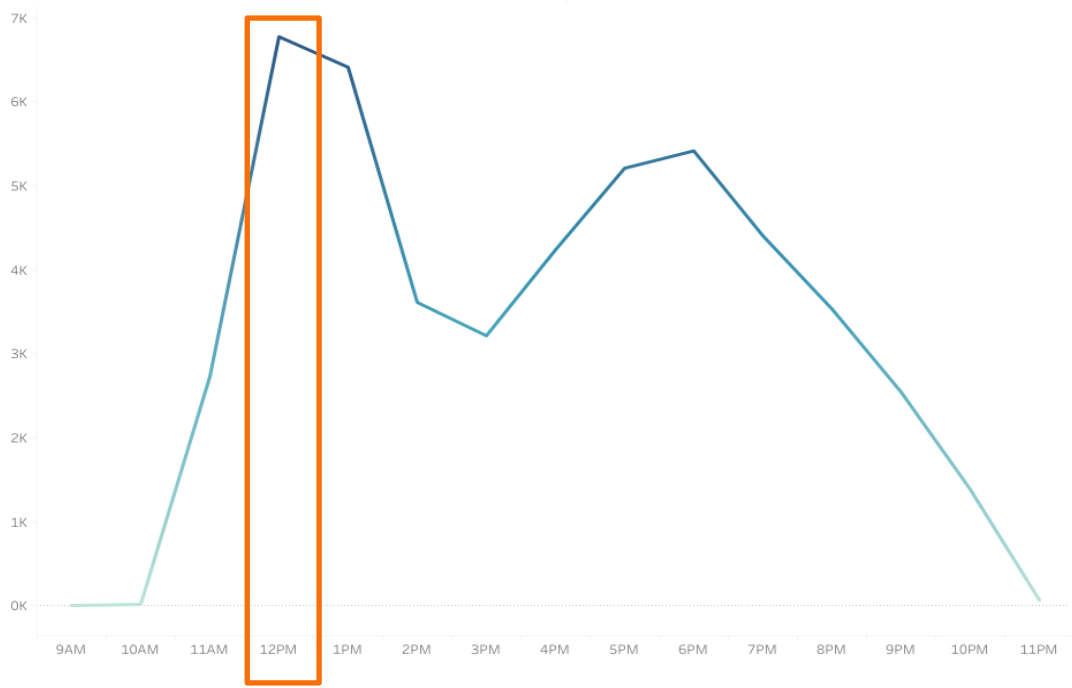
July is The Highest Sales in 2015



The most sales in 2015 were in **July**, which is **$73,000**

The difference with the other is **not too far, the closest sales is May**, with a difference about **$2,000**

12 pm is The Busiest Hour



The busiest hour at **12 pm**, which is around **5,506 orders**

This happened because **it's lunch time**, and time to order pizza is short

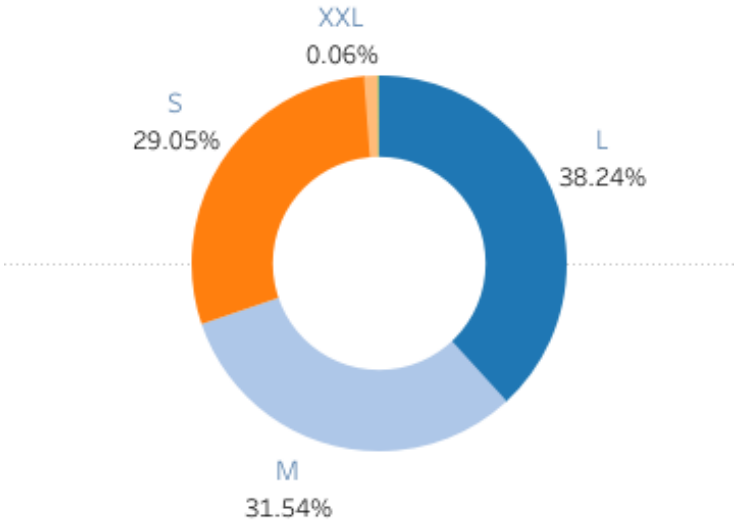
Write an SQL statement to count Total order by size

	size	size_ordered
1	L	18,956
2	M	15,635
3	S	14,403
4	XL	552
5	XXL	28

```sql
with table1 as(
    select p.pizza_id,
        p.pizza_type_id,
        t.name,
        t.category,
        p.size,
        t.ingredients,
        p.price,
        od.quantity,
        (od.quantity * p.price) total_sales,
        od.order_details_id,
        od.order_id,
        o.date,
        o.time
    from pizzas p
    left join pizza_types t
        on p.pizza_type_id = t.pizza_type_id
    left join pizza_order_details od
        on p.pizza_id = od.pizza_id
    left join pizza_orders o
        on od.order_id = o.order_id
    order by 1
)

/*
    Count Total Orders by Size
 */
select
    size,
    sum(quantity) size_ordered
from table1
group by size
```

The Most Ordered Pizza is L Size



The most ordered pizza is **L** size with **38.24%**

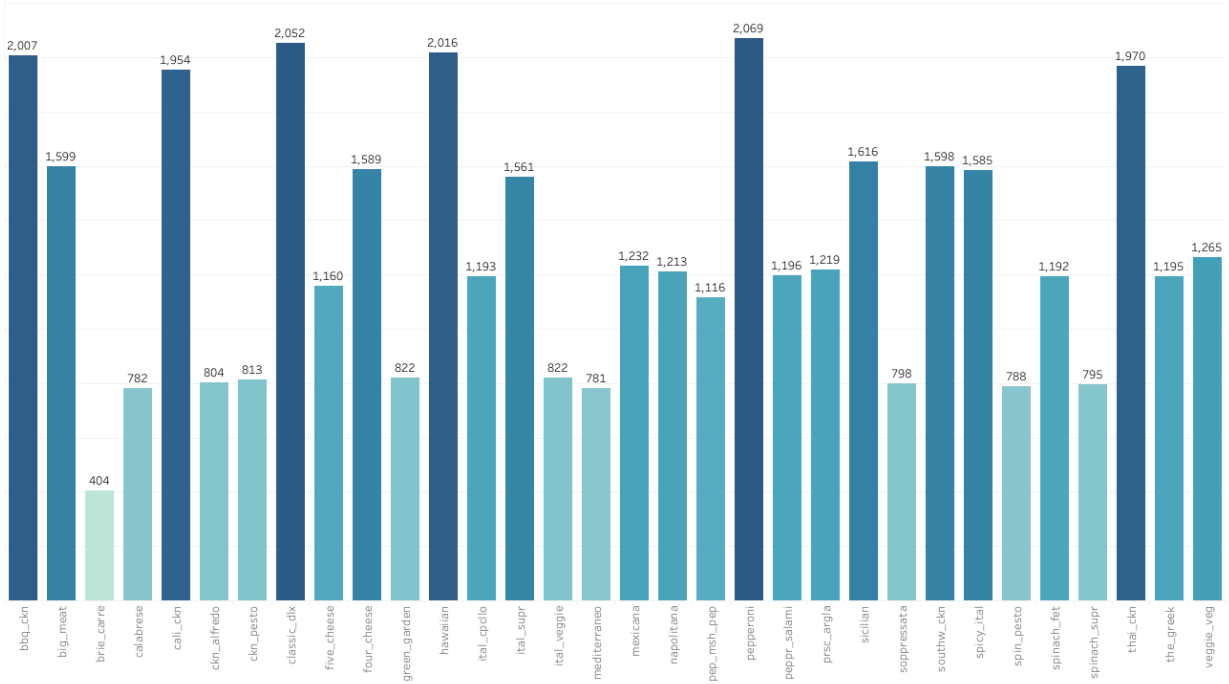
It can be, because **the this portion is just right, not too big and not too small,** so they can share with others, or if they have large portion of meal, they can finish it by their self

Write an SQL statement to count Total order by pizza type

```sql
with table1 as(
    select p.pizza_id,
        p.pizza_type_id,
        t.name,
        t.category,
        p.size,
        t.ingredients,
        p.price,
        od.quantity,
        (od.quantity * p.price) total_sales,
        od.order_details_id,
        od.order_id,
        o.date,
        o.time
    from pizzas p
    left join pizza_types t
        on p.pizza_type_id = t.pizza_type_id
    left join pizza_order_details od
        on p.pizza_id = od.pizza_id
    left join pizza_orders o
        on od.order_id = o.order_id
    order by 1
)

/*
    Count Total Orders by Size
 */
select
    pizza_type_id,
    count(quantity) type_ordered
from table1
group by pizza_type_id
```

Pepperoni is The Most Ordered Pizza



The most ordered pizza type is **Pepperoni** with **2,065** orders

The least ordered pizza is **Brie Carre** pizza with **404** orders

Write an SQL statement to count total order by pizza category

	category	quantity_ordered_per_category
1	Chicken	10,815
2	Classic	14,579
3	Supreme	11,777
4	Veggie	11,449

```sql
with table1 as(
    select p.pizza_id,
        p.pizza_type_id,
        t.name,
        t.category,
        p.size,
        t.ingredients,
        p.price,
        od.quantity,
        (od.quantity * p.price) total_sales,
        od.order_details_id,
        od.order_id,
        o.date,
        o.time
    from pizzas p
    left join pizza_types t
        on p.pizza_type_id = t.pizza_type_id
    left join pizza_order_details od
        on p.pizza_id = od.pizza_id
    left join pizza_orders o
        on od.order_id = o.order_id
    order by 1
)
/*
    Count Total Quantity Ordered Per Pizza Category
 */
select
    category,
    count(quantity) quantity_ordered_per_category
from table1
group by category
```

Sales by Category & Quarter

	Category			
Quarter of ..	Chicken	Classic	Supreme	Veggie
Q1	49,283	54,072	51,968	50,027
Q2	49,312	56,276	54,056	48,726
Q3	49,394	56,308	50,606	48,709
Q4	47,932	53,397	51,566	46,229

The most revenue by Pizza Category in **Q2** with total revenue **$208,370**

Category Classis Pizza give **the most revenue** all the year with total revenue **$220,053**

THANK YOU