

PIZZA SALES



Analyzed pizza sales data using SQL to identify trends, customer behavior, and best-selling products.

Retrieve the total number of orders placed.



Calculate the total revenue generated from pizza sales.

```
-- 2. Calculate the total revenue generated from pizza sales.
15
16
       select round(sum(price*quantity)) as revenue from
       order_details join pizzas
18
       on order_details.pizza_id=pizzas.pizza_id;
19
20
Export: Wrap Cell Content: IA
  revenue
  817860
```



Identify the highest-priced pizza.

```
select pizza_types.name,pizzas.price from
 23 •
        pizza_types join pizzas
 24
        on pizza_types.pizza_type_id=pizzas.pizza_type_id
 25
        order by pizzas.price desc limit 1;
26
 27
Result Grid Filter Rows:
                                           Export: Wrap Cell Content:
                 price
   name
  The Greek Pizza 35.95
```



Identify the most common pizza size ordered.

```
-- 4. Identify the most common pizza size ordered.
 28
 29
        select size,count(size) as size_count from pizzas
 30 •
        group by size order by size_count desc limit 1;
31
 32
Export: Wrap Cell Content:
        size_count
  size
       32
```



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

```
-- 5. Join the necessary tables to find the total quantity of each pizza category ordered.
 33
 34
         select pizza types.category,sum(order details.quantity) as quantity
 35
         from pizza types join pizzas
 36
         on pizza_types.pizza_type_id=pizzas.pizza_type_id
 37
         join order details
 38
         on pizzas.pizza_id = order_details.pizza_id
 39
         group by pizza types.category order by quantity;
                                           Export: Wrap Cell Content: $\frac{1}{4}
Result Grid Filter Rows:
   category
            quantity
  Chicken
            11050
           11649
  Veggie
  Supreme
           11987
  Classic
           14888
```



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

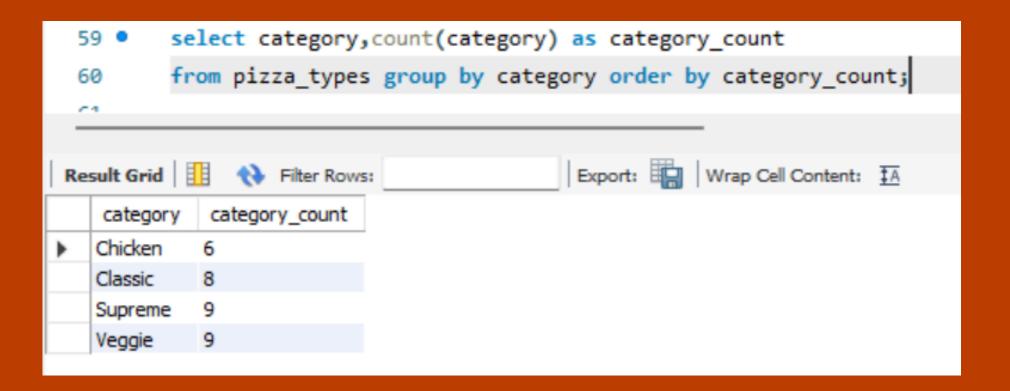
```
45 •
         select pizza types.name, sum(order details.quantity) as most ord type
         from pizza types join pizzas
 46
         on pizza_types.pizza_type_id = pizzas.pizza_type_id join order_details
 47
         on order details.pizza id = pizzas.pizza id
 48
         group by pizza_types.name order by most_ord_type desc limit 5;
 49
 50
Result Grid Filter Rows:
                                             Export: Wrap Cell Content: $\frac{1}{4}$
                           most_ord_type
   name
  The Classic Deluxe Pizza
                          2453
  The Barbecue Chicken Pizza
                          2432
  The Hawaiian Pizza
                          2422
  The Penneroni Pizza
                          2418
```



Determine the distribution of orders by hour of the day.

```
-- 7.Determine the distribution of orders by hour of the day.
52
53
        select hour(time) as hours, count(order_id) as order_count
54
        from orders group by hours order by order_count;
55
Export: Wrap Cell Content: $\frac{1}{4}$
         order_count
   hours
  10
        28
  23
  22
        663
         1198
  21
         1231
  11
  15
         1468
         1472
```

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.

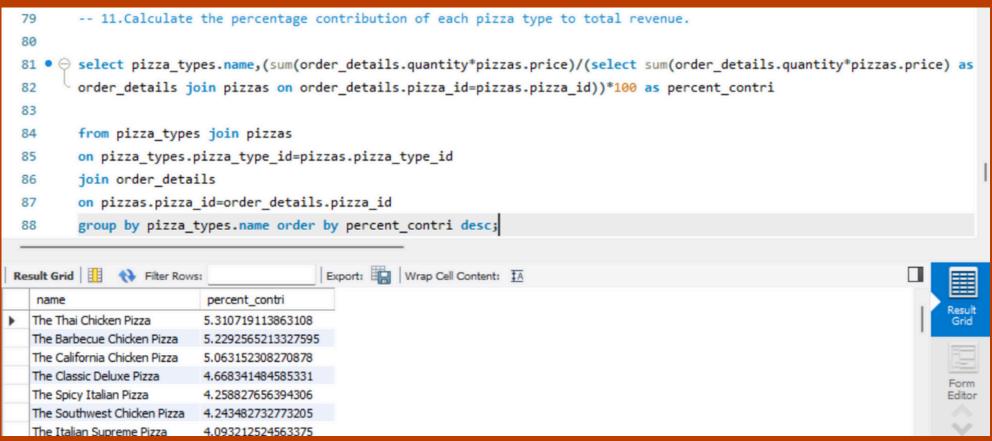


Determine the top 3 most ordered pizza types based on revenue.

```
72 •
         select pizza_types.name,sum(pizzas.price*order_details.quantity) as revenue
         from pizza types join pizzas
 73
         on pizza types.pizza type id=pizzas.pizza type id
 74
         join order details
 75
         on pizzas.pizza id= order details.pizza id
 76
         group by pizza_types.name order by revenue desc limit 3;
 77
Result Grid Filter Rows:
                                             Export: Wrap Cell Content: $\frac{1}{4}$
   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.





Analyze the cumulative revenue generated over time.

```
-- 12. Analyze the cumulative revenue generated over time.
 90
 91
 92 •
        select date, sum(revenue) over(order by date) as cumulative rev from
 93
        (select orders.date, sum(order details.quantity*pizzas.price) as revenue
 94
 95
        from order_details join pizzas
        on order details.pizza id=pizzas.pizza id
 96
        join orders on orders.order_id=order_details.order_id
 97
        group by orders.date) as a ;
 98
 99
Export: Wrap Cell Content: TA
   date
             cumulative rev
  2015-01-01 2713.8500000000004
  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
  2015-01-07
             16560.7
```

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

```
100
         -- 13. Determine the top 3 most ordered pizza types based on revenue for each pizza category.
101
         select name, category, rank() over(partition by category order by revenue) as top rev pizzas
102
103
         from

    (select pizza_types.name,pizza_types.category,sum(pizzas.price*order_details.quantity) as revenue.

104
         from pizza types join pizzas
105
         on pizza types.pizza type id=pizzas.pizza type id
106
         join order details
107
         on pizzas.pizza id=order details.pizza id
108
         group by pizza types.name, pizza types.category) as a;
109
Result Grid Filter Rows:
                                              Export: Wrap Cell Content: $\frac{1}{4}$
                                          category
                                                   top_rev_pizzas
   name
  The Chicken Pesto Pizza
                                         Chicken
  The Chicken Alfredo Pizza
                                         Chicken
  The Southwest Chicken Pizza
                                         Chicken
  The California Chicken Pizza
                                         Chicken
  The Barbecue Chicken Pizza
                                         Chicken
  The Thai Chicken Pizza
                                         Chicken
  The Pepperoni, Mushroom, and Peppers Pizza
                                         Classic
```





Utilized WINDOW FUNCTIONS, SELECT, JOIN, WHERE, GROUP BY, and ORDER BY clauses to filter, aggregate, and sort data

Identified insights and trends from datasets,
Defined and addressed business questions
through data exploration.