

PIZZAHUTS SQL ANALYSIS

By Tapas Parida





HELLO!

My name is Tapas.

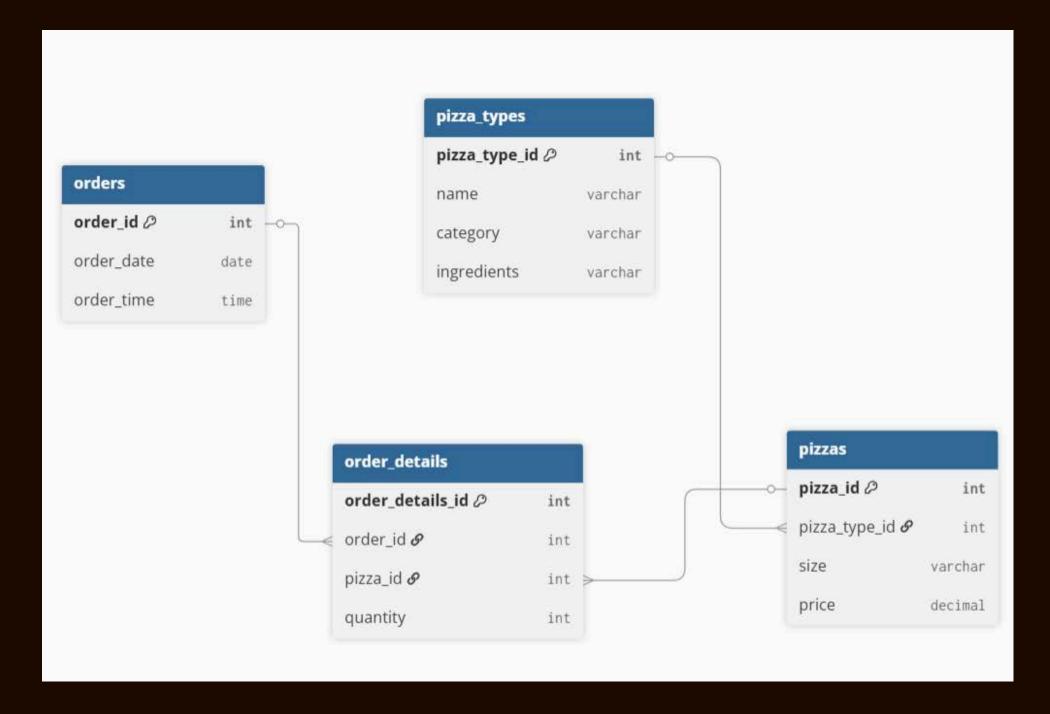
In this project, I used SQL to analyze pizza sales data. I performed queries to calculate revenue, find top-selling pizzas, analyze trends, and more

STEPS



- -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.
- -Determine the distribution of orders by hour of the day.
- -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.
- -Calculate the percentage contribution of each pizza type to total revenue.
- -Analyze the cumulative revenue generated over time.
- -Determine the top 3 most ordered pizza types based on revenue for each pizza category.

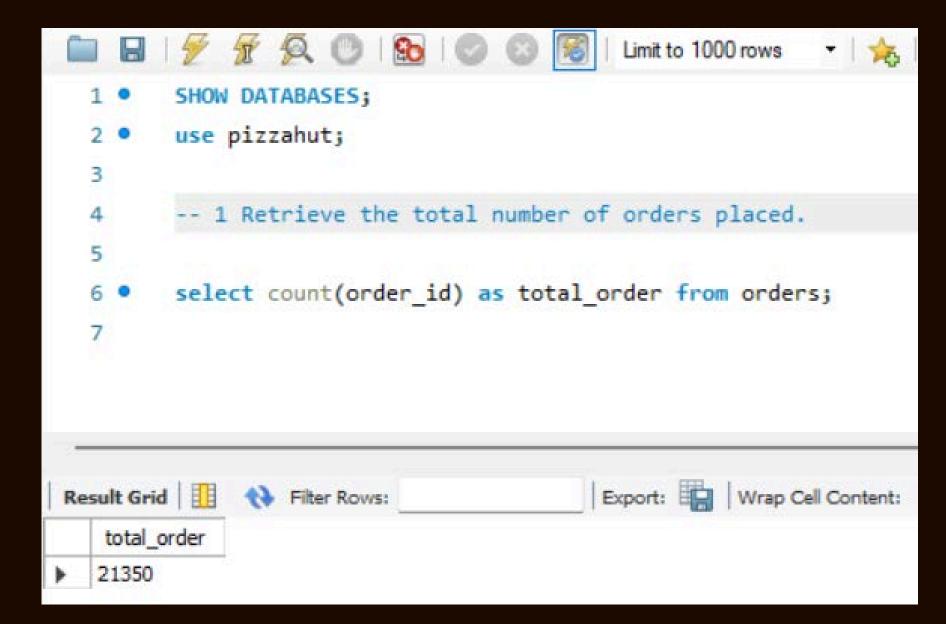
SCHEMA







Retrieve the total number of orders placed.

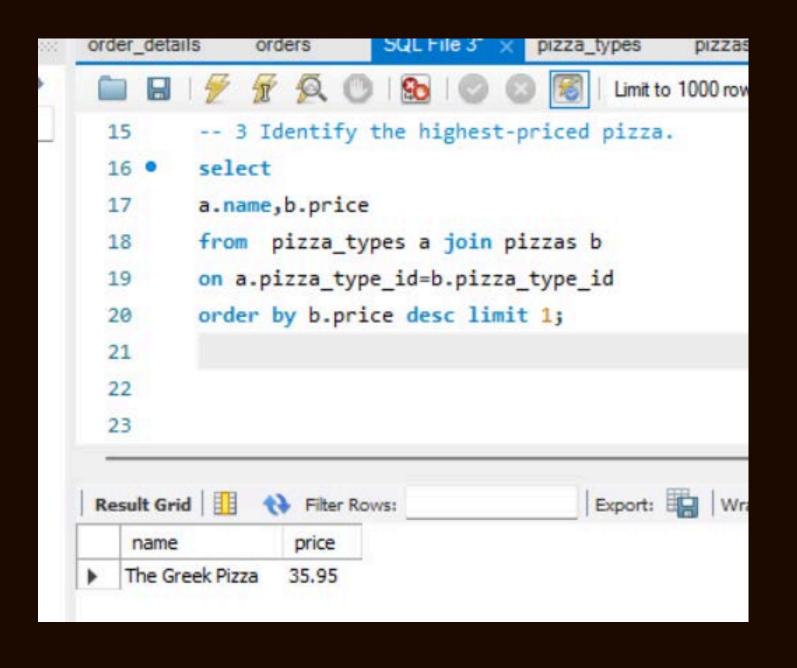




Calculate the total revenue generated from pizza sales.

```
-- 2 Calculate the total revenue generated from pizza sales.
        select
 10 •
        round(sum(a.quantity * b.price),2) as total_sales
11
        from order_details a join pizzas b
12
        on a.pizza_id=b.pizza_id
13
14
                                         Export: Wrap Cell Content: TA
Result Grid
             Filter Rows:
  total_sales
 817860.05
```

Identify the highest-priced pizza.



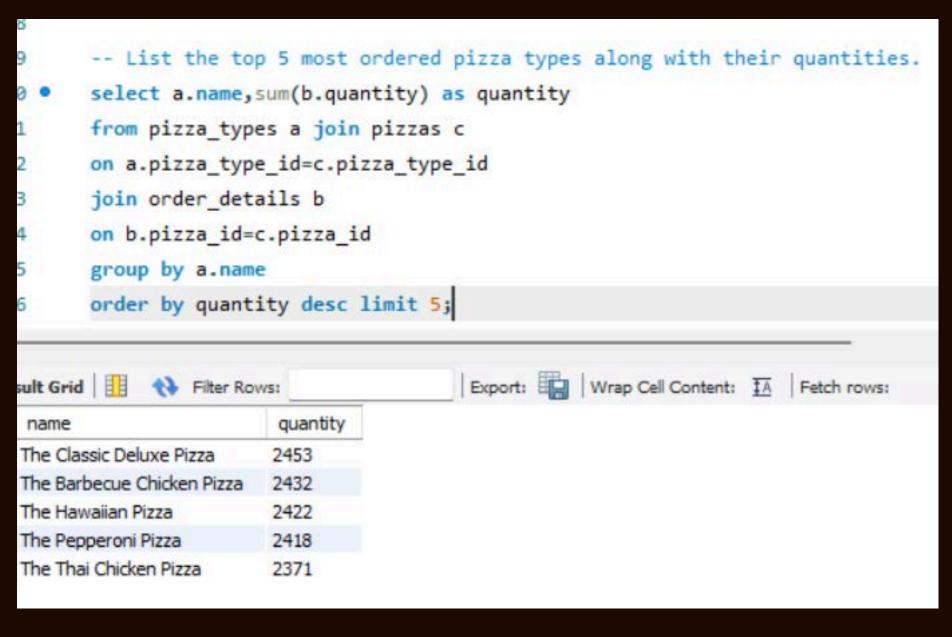




Identify the most common pizza size ordered.

```
-- 4 Identify the most common pizza size ordered.
 22
        select a.size,count(b.order_details_id) as order_count
 24
        from pizzas a join order_details b
        on a.pizza_id=b.pizza_id
 25
 26
        group by a.size
 27
        order by order_count desc;
 28
                                         Export: Wrap Cell Content: IA
Result Grid Filter Rows:
        order_count
        18526
        15385
        14137
        544
```

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





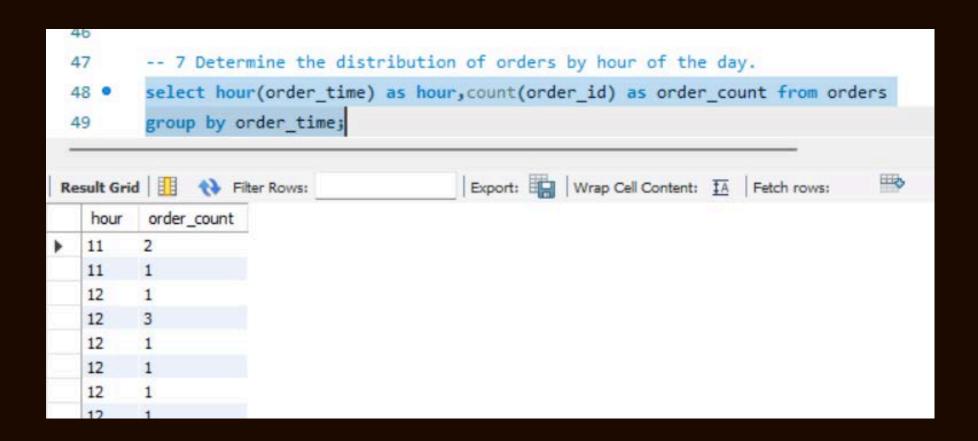
Join the necessary tables to find the total quantity of each pizza category ordered.

```
-- 6 Join the necessary tables to find the total quantity of each pizza category ordered.
      select a.category, sum(b.quantity) as quantity
39 •
      from pizza_types a join pizzas c
40
      on a.pizza_type_id=c.pizza_type_id
41
      join order_details b
42
      on b.pizza_id=c.pizza_id
43
      group by a.category
      order by quantity desc;
                                      Export: Wrap Cell Content: TA
quantity
 category
         14888
Classic
        11987
Supreme
         11649
Veggie
         11050
Chicken
```

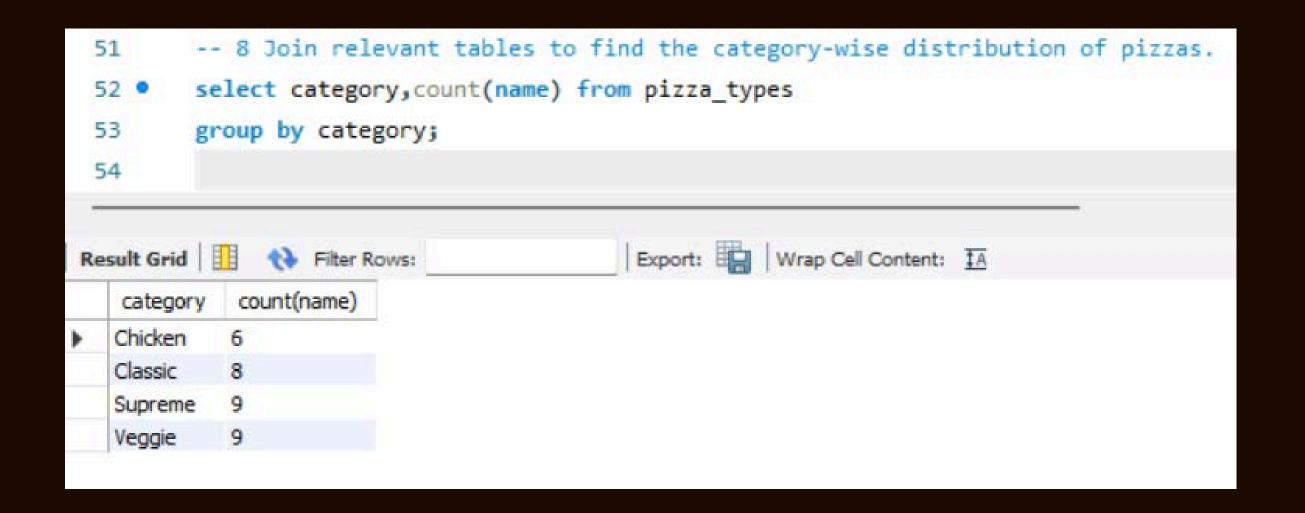


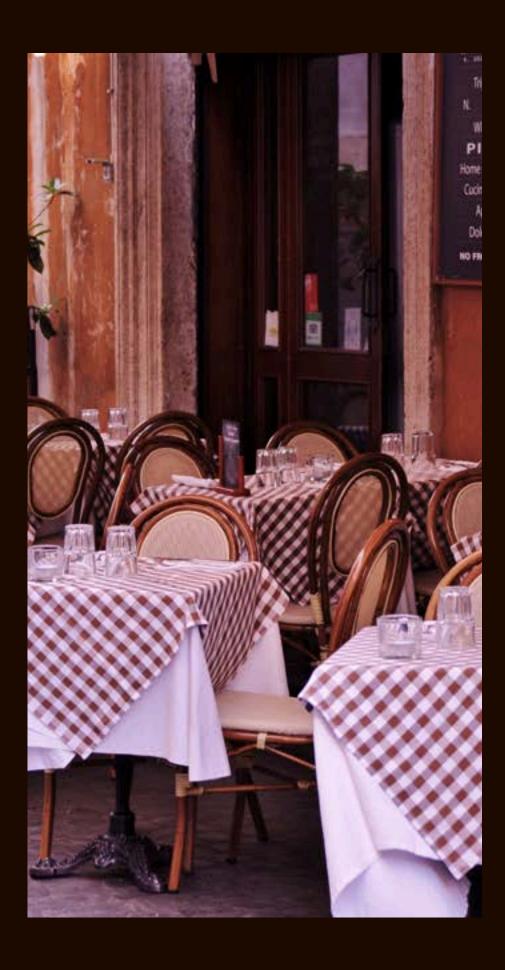


Determine the distribution of orders by hour of the day.



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.

```
55
       -- 9 Group the orders by date and calculate the average number of pizzas ordered per day.
       select round(avg(quantity),0) as average_pizzas_ordered
56 •
       from
    (select a.order_date, sum(b.quantity) as quantity
58
59
       from orders a join order_details b
       on a.order_id=b.order_id
60
       group by a.order_date) as order_quantity;
61
                                      Export: Wrap Cell Content: TA
average_pizzas_ordered
 138
```





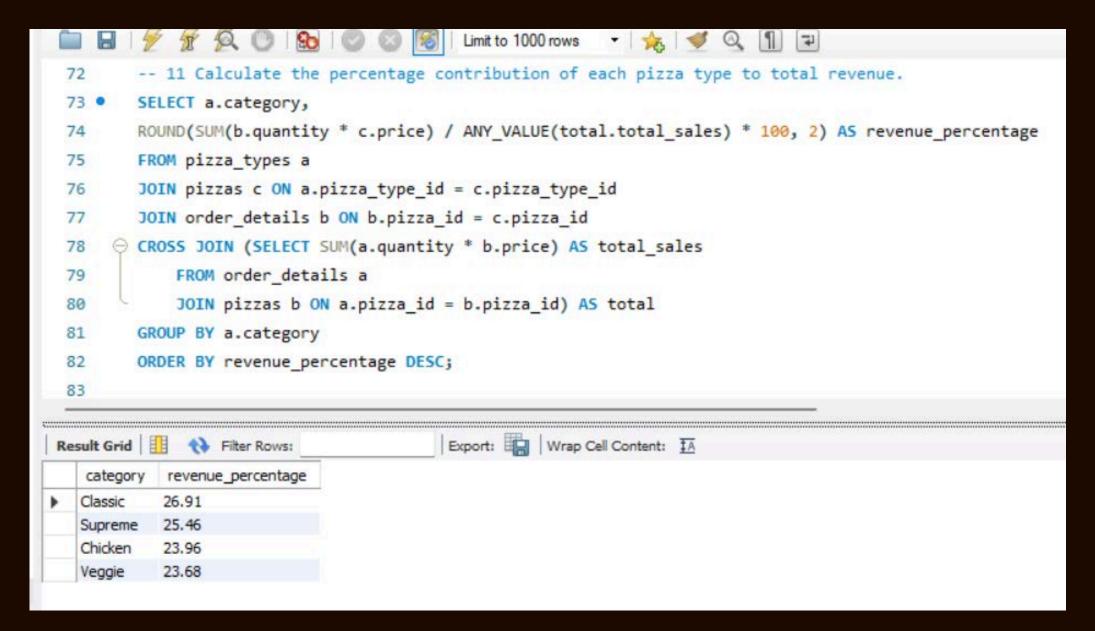




Determine the top 3 most ordered pizza types based on revenue.

```
-- 10 Determine the top 3 most ordered pizza types based on revenue.
       select a.name ,sum(b.quantity*c.price) as revenue
       from pizza_types a join pizzas c
       on a.pizza_type_id=c.pizza_type_id
       join order_details b
       on b.pizza_id=c.pizza_id
       group by a.name
       order by revenue desc limit 3;
sult Grid 🔢 🙌 Filter Rows:
                                          Export: Wrap Cell Content: TA Fetch rows:
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.











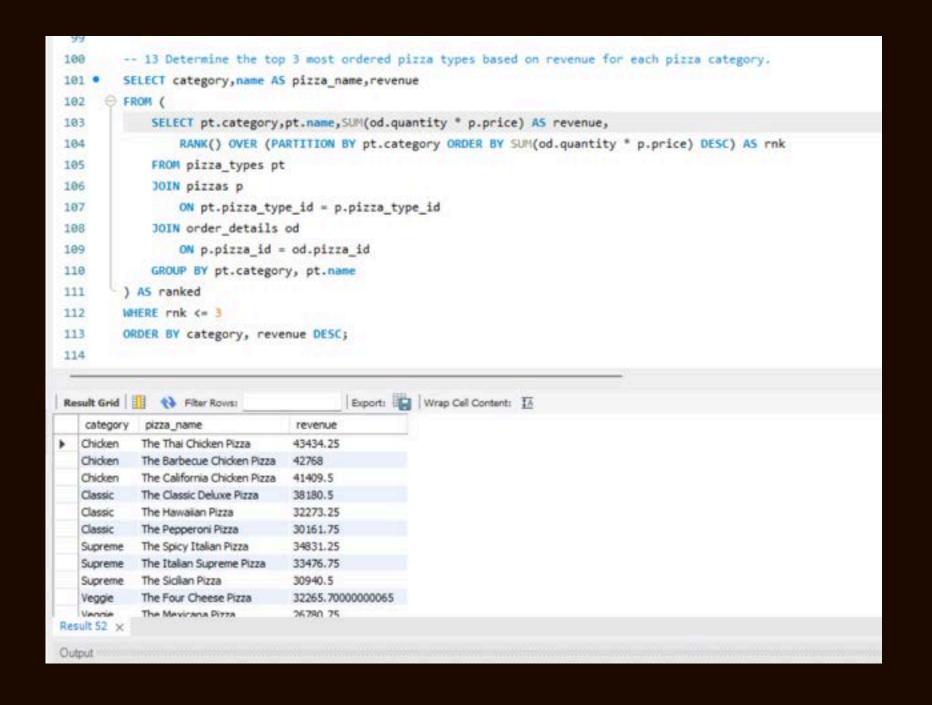




Analyze the cumulative revenue generated over time.

```
-- 12 Analyze the cumulative revenue generated over time.
        SELECT
            sales.order_date,
           SUM(sales.revenue) OVER (ORDER BY sales.order_date) AS cum_revenue
            SELECT
               orders.order_date,
               SUM(order_details.quantity * pizzas.price) AS revenue
91
           FROM order_details
92
            JOIN pizzas
93
               ON order_details.pizza_id = pizzas.pizza_id
            JOIN orders
 95
               ON orders.order_id = order_details.order_id
           GROUP BY orders.order_date
          AS sales;
                                       Export: Wrap Cell Content: IA
2015-01-01 2713.85000000000004
  2015-01-02 5445.75
  2015-01-03 8108.15
  2015-01-04
            11929.55
  2015-01-05
            14358.5
  2015-01-06
  2015-01-07
  2015-01-08
  2015-01-09 21526.4
  2015-01-10 23990.3500000000002
  2015-01-11 25862 65
Result 53 ×
```

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







THANKYOU

tapasparida7077@gmail.com

