



Power BI Dashboard: Pizza Sales

minimum Total Orders.





PIZZA SALES REPORT Jan/15 - Dec/15

Pizza Category

1/1/2015 🛗 12/31/2015 🛗



Best/Worst Sellers

BUSIEST DAYS & TIMES

DAYS

Orders are highest on weekends, Friday/Saturday evenings.

MONTHLY

There are maximum orders from month of July and January.

SALES PERFORMANCE

CATEGORY

Classic Category contributes to maximum sales & total orders.

SIZE

Large Size contributes to maximum sales.



817.86K

Total Revenue



38.31

Avg Order Value



49574

Total Pizza Sold



21350

Total Orders

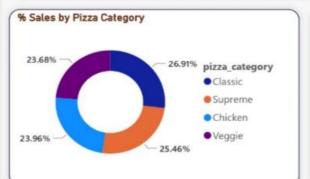


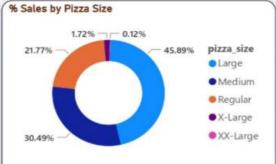
2.32

Avg Pizzas Per Order







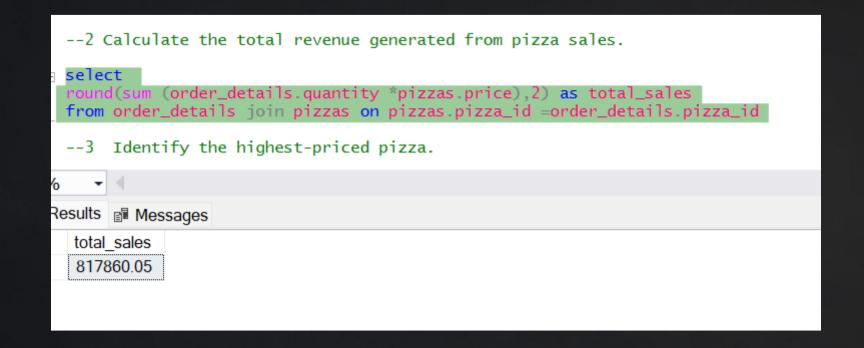




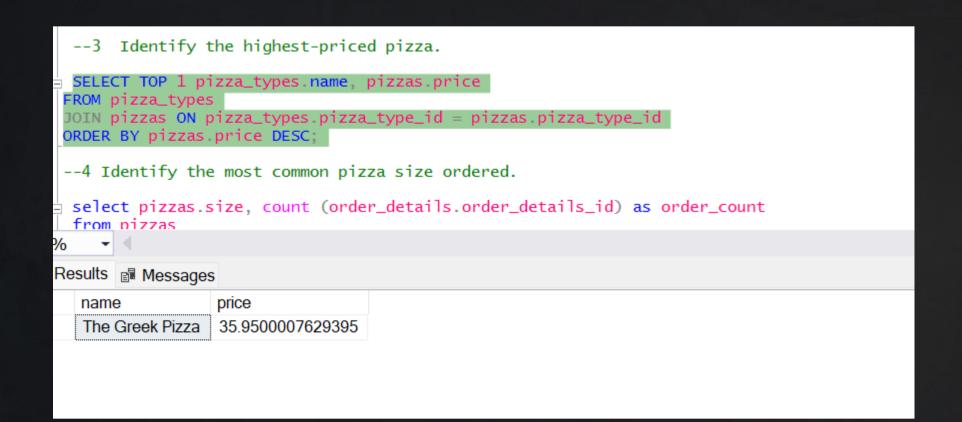
-1 Retrieve the total number of orders placed.

```
SQLQuery pizza sql....PIZZAHUT (sa (54))* □ ×
  □USE PT77AHUT
    select * from dbo.Pizzas
     select * from dbo.orders
     select * from dbo.order details
     select * from dbo.pizza_types
    -- 1 Retrieve the total number of orders placed.
    select count(order_id) as total_orders from orders;
    --2 Calculate the total revenue generated from pizza sales.
    select
    round(sum (order_details.guantity *pizzas.price),2) as total_sales
    from order_details join pizzas on pizzas.pizza_id =order_details.pizza_id
    --3 Identify the highest-priced pizza.
70 %
■ Results  Messages
     total_orders
     21350
```

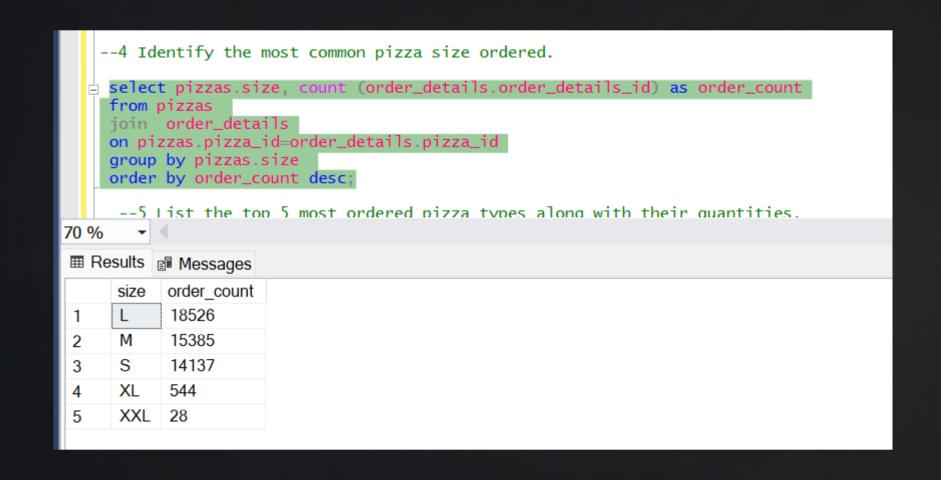
-2 Calculate the total revenue generated from pizza sales.



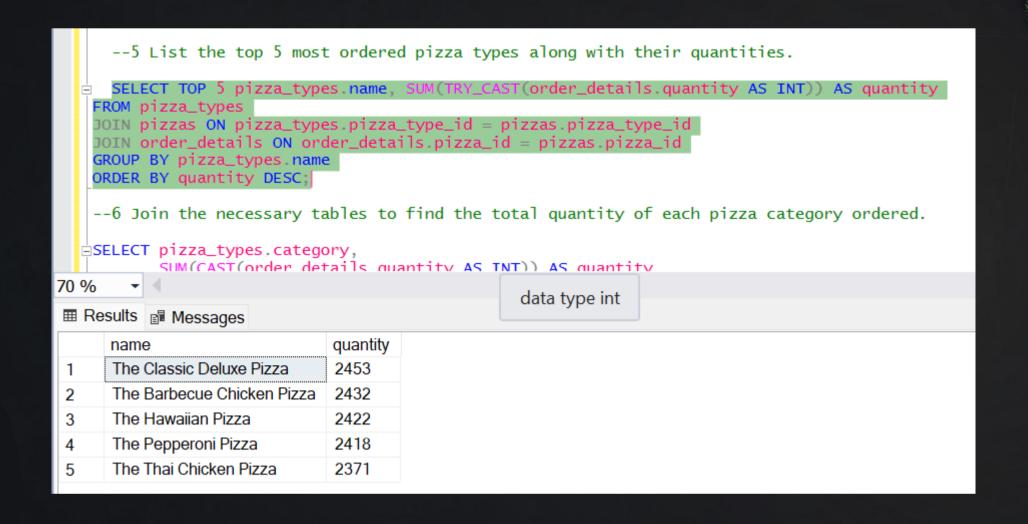
-3 Identify the highest-priced pizza.



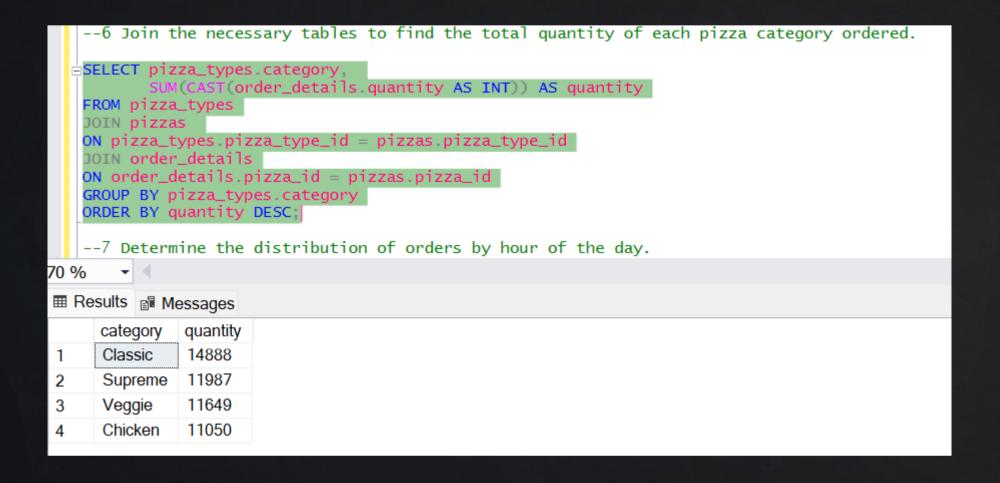
-4 Identify the most common pizza size ordered.



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



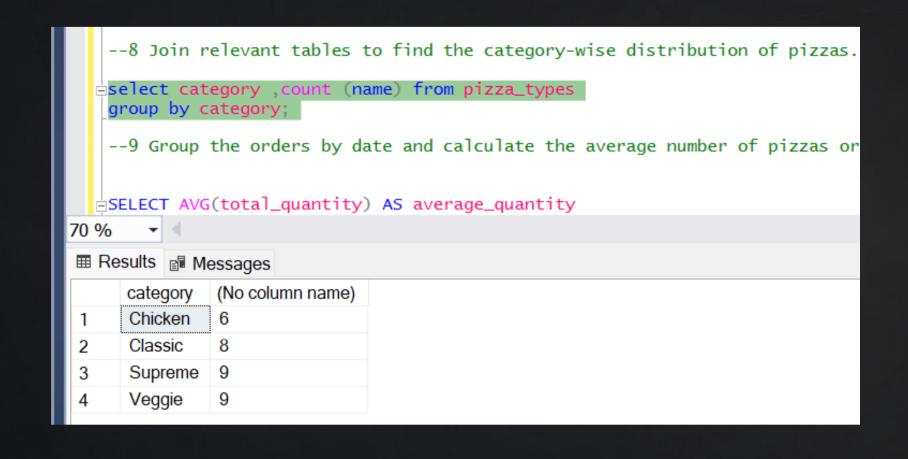
-6 Join the necessary tables to find the total quantity of each pizza category ordered.



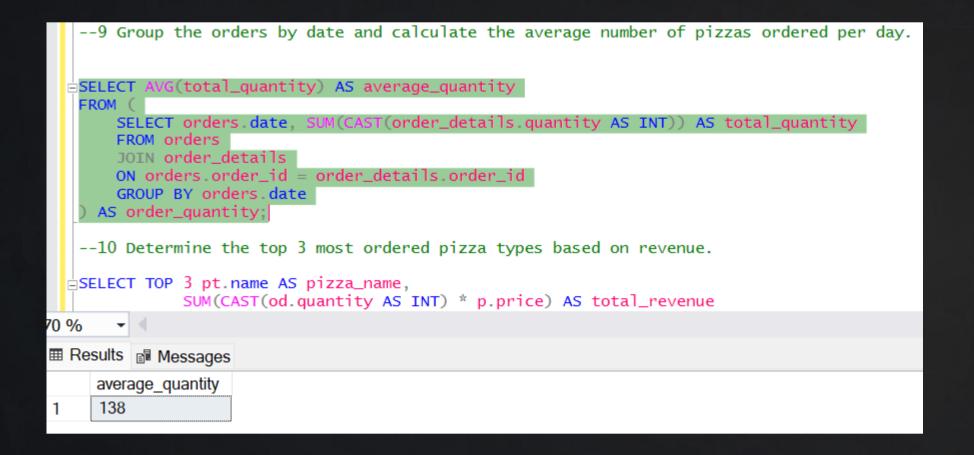
-7 Determine the distribution of orders by hour of the day.

7 Determine the distribution of orders by hour of the day.			
SELECT DATEPART(HOUR, time) AS hour, COUNT(order_id) AS order_count FROM orders GROUP BY DATEPART(HOUR, time) ORDER BY hour;			
8 Join relevant tables to find the category-wise distribution of pizzas.			
select category ,count (name) from pizza_types group by category;			
9 Group the orders by date and calculate the average number of pizzas ordered per day.			
SELECT AVG(total_quantity) AS average_quantity			
0 % -			
■ Results 📵 Messages			
	hour	order_count	
1	9	1	
2	10	8	
3	11	1231	
4	12	2520	
5	13	2455	
6	14	1472	
7	15	1468	
8	16	1920	
9	17	2336	
10	18	2399	
11	19	2009	

-8 Join relevant tables to find the category-wise distribution of pizzas.



-9 Group the orders by date and calculate the average number of pizzas ordered per day.



-10 Determine the top 3 most ordered pizza types based on revenue.

```
--10 Determine the top 3 most ordered pizza types based on revenue.
  SELECT TOP 3 pt.name AS pizza_name.
              SUM(CAST(od.guantity AS INT) * p.price) AS total_revenue
   FROM order_details od
   JOIN pizzas p ON od.pizza_id = p.pizza_id
   JOIN pizza_types pt ON p.pizza_type_id = pt.pizza_type_id
   GROUP BY pt.name
   ORDER BY total_revenue DESC:
   --11 Calculate the percentage contribution of each pizza type to total revenue.
  ĠSELECT pt.name AS pizza_name.
          SUM(CAST(od.quantity AS INT) * p.price) AS total_revenue.
          (SUM(CAST(od.quantity AS INT) * p.price) * 100.0 /
           (SELECT SUM(CAST(quantity AS INT) * price)
70 %
total revenue
     pizza name
     The Thai Chicken Pizza
                             43434.25
     The Barbecue Chicken Pizza 42768
     The California Chicken Pizza 41409.5
```

-11 Calculate the percentage contribution of each pizza type to total revenue.

```
--11 Calculate the percentage contribution of each pizza type to total revenue.
    SELECT pt.name AS pizza_name,
              M(CAST(od.quantity AS INT) * p.price) AS total_revenue,
           (SUM(CAST(od.guantity AS INT) * p.price) * 100.0 /
             (SELECT SUM(CAST(quantity AS INT) * price)
             FROM order details
              JOIN pizzas ON order_details.pizza_id = pizzas.pizza_id)) AS revenue_percentage
    JOIN pizzas p ON od.pizza_id = p.pizza_id
    JOIN pizza types pt ON p.pizza type id = pt.pizza type id
    GROUP BY pt.name
    ORDER BY revenue percentage DESC:
    --12 Analyze the cumulative revenue generated over time.
70 %
■ Results Messages
                                total revenue
                                                  revenue percentage
      pizza name
      The Thai Chicken Pizza
                                43434.25
                                                  5.31071910841851
      The Barbecue Chicken Pizza
                                42768
                                                  5 22925651597168
      The California Chicken Pizza
                                41409.5
                                                  5.06315230308009
      The Classic Deluxe Pizza
                                38180.5
                                                  4.66834147979931
                                34831.25
                                                  4.25882765202812
      The Spicy Italian Pizza
      The Southwest Chicken Pizza 34705 75
                                                  4 24348272842275
      The Italian Supreme Pizza
                                33476.75
                                                  4.09321252036698
      The Hawaiian Pizza
                                32273.25
                                                  3.94606020515533
      The Four Cheese Pizza
                                32265.7010040283
                                                 3.9451371870957
      The Sicilian Pizza
                                                  3.78310445268476
                                30940.5
      The Pepperoni Pizza
                                30161.75
                                                  3.68788645063152
```

-12 Analyze the cumulative revenue generated over time.

```
--12 Analyze the cumulative revenue generated over time.
   SELECT orders.date AS order_date.
           SUM(CAST(order_details.quantity AS INT) * pizzas.price) AS daily_revenue,
          SUM(SUM(CAST(order details.guantity AS INT) * pizzas.price))
              OVER (ORDER BY orders.date) AS cumulative_revenue
    FROM orders
    JOIN order details ON orders.order id = order details.order id
    JOIN pizzas ON order_details.pizza_id = pizzas.pizza_id
    GROUP BY orders date
    ORDER BY orders.date;
   --13 Determine the top 3 most ordered pizza types based on revenue for each pizza
  ⊨WITH PizzaRevenue AS (
       SELECT pt.category,
70 %
order date daily revenue
                                 cumulative revenue
     2015-01-01 2713.85000228882 2713.85000228882
                                 5445.7500038147
     2015-01-02 2731.90000152588
     2015-01-03 2662.40000343323
                                 8108.15000724792
     2015-01-04 1755.45000076294
                                 9863.60000801086
     2015-01-05 2065.95000076294
                                 11929.5500087738
     2015-01-06 2428.95000267029
                                 14358.5000114441
     2015-01-07 2202.20000076294
                                 16560.700012207
     2015-01-08 2838.35000610352
                                 19399.0500183105
     2015-01-09 2127.35000419617
                                 21526.4000225067
     2015-01-10 | 2463.95000267029 | 23990.350025177
     2015-01-11 1872.30000114441
                                 25862.6500263214

    Query executed successfully.
```

-13 Determine the top 3 most ordered pizza types based on revenue for each pizza category.

```
--13 Determine the top 3 most ordered pizza types based on revenue for each pizza category.
    WITH PizzaRevenue AS (
        SELECT pt.category.
               pt.name AS pizza name.
                  A(CAST(od.guantity AS INT) * p.price) AS total_revenue.
                         R() OVER (PARTITION BY pt.category ORDER BY SUM(CAST(od.quantity AS INT) * p.price) DESC) AS
        FROM order details od
        JOIN pizzas p ON od.pizza id = p.pizza id
        JOIN pizza_types pt ON p.pizza_type_id = pt.pizza_type_id
        GROUP BY pt.category, pt.name
    SELECT category, pizza_name, total_revenue
    FROM PizzaRevenue
    WHERE rank <= 3
    ORDER BY category, rank;
70 %
total revenue
      category
               pizza name
               The Thai Chicken Pizza
      Chicken
                                         43434 25
               The Barbecue Chicken Pizza
                                        42768
      Chicken
               The California Chicken Pizza
                                        41409.5
      Chicken
               The Classic Deluxe Pizza
                                         38180.5
      Classic
               The Hawaiian Pizza
                                         32273.25
      Classic
               The Pepperoni Pizza
                                         30161.75
      Classic
      Supreme
               The Spicy Italian Pizza
                                         34831.25
               The Italian Supreme Pizza
                                         33476.75
      Supreme
               The Sicilian Pizza
      Supreme
                                         30940.5
               The Four Cheese Pizza
                                         32265.7010040283
      Veggie
               The Mexicana Pizza
                                         26780.75

    Query executed successfully.

                                                                                                   DESKTOP-P5PUPF7\SWATI (16.0...
```

Conclusion

- * This project provided valuable insights into pizza sales trends using SQL queries.
- ❖ Identified top-selling pizzas, revenue contributors, and peak order times.
- ***** Helped understand **customer preferences** and optimize **inventory and marketing strategies**.
- **Demonstrated how data-driven decisions** can enhance business performance.

