

WELCOME TO SQL-PROJECT ON PIZZA-SALES

<---PLEASE MAKE EFFORT
TO PULL THE SLIDE AND
ENJOY THE CONTENT.

**ORDER
NOW**

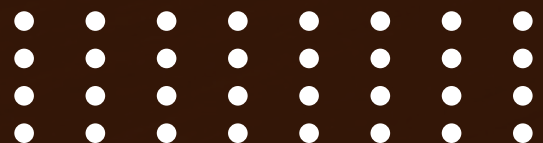


ANALYZING PIZZA SALES DATA WITH SQL

INTRODUCTION

Welcome! Join me on a journey to explore the power of SQL in analyzing real-world pizza sales data and uncovering insights that drive business decisions

This project is based on the sql practice, in which data is collected from sales of pizza repository, i.e. from github. Then the data is loaded into SQL workbench, and data is being worked with various sql topics like join, various clause, group by, order by, partition, sub-queries, etc, which you guys are going to see.



PROJECT OVERVIEW



- In this project, we dive into pizza sales data to understand customer preferences, category-wise sales distribution, and seasonal trends.
- Using SQL, I connected and queried multiple tables to build a comprehensive view of pizza sales patterns.



DATA OVERVIEW



- We worked with three main datasets: Order Details, Orders, and Pizza Types.
- Each dataset brought essential information: orders captured sales, order details provided quantity, and pizza types offered category and ingredient information.

WORKING WITH BELOW QUERY

Basic:

1. Retrieve the total number of orders placed.
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.



Intermediate:

1. Join the necessary tables to find the total quantity of each pizza category ordered.
2. Determine the distribution of orders by hour of the day.
3. Join relevant tables to find the category-wise distribution of pizzas.
4. Group the orders by date and calculate the average number of pizzas ordered per day.
5. Determine the top 3 most ordered pizza types based on revenue.

Advanced:

1. Calculate the percentage contribution of each pizza type to total revenue.
2. Analyze the cumulative revenue generated over time.
3. Determine the top 3 most ordered pizza types based on revenue for each pizza category.

● SQL WORKFLOW



1. RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.(BASIC)



```
SELECT
```

```
*
```

```
FROM
```

```
orders;
```

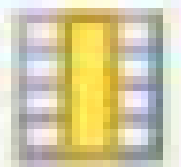
```
SELECT
```

```
COUNT(order_id) AS total_order
```

```
FROM
```

```
orders;
```

Result Grid



	total_order
▶	21350

ORDER
NOW

2. CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES (BASIC)



SELECT

```
ROUND(SUM(order_details.quantity * pizzas.price),  
2) AS total_revenue
```

FROM

order_details

JOIN

```
pizzas ON order_details.pizza_id = pizzas.pizza_id;
```

\$20



\$30

**GRAB
OFFER**



total_revenue

817860.05

3.IDENTIFY THE HIGHEST-PRICED PIZZA(BASIC)



```
SELECT
    pizza_types.name, pizzas.price
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1;
```

\$25



\$35

name	price
The Greek Pizza	35.95

OFFER LIMITED



4.IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED. (BASIC)



```
SELECT
  pizzas.size,
  COUNT(order_details.order_details_id) AS order_count
FROM
  pizzas
  JOIN
  order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

size	order_count
L	18526
M	15385
S	14137
XL	544
XXL	28



\$40

Margherita

Pepperoni



\$50

**GRAB
OFFER**

5.LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.(BASIC)



```
SELECT
    pizza_types.name, COUNT(order_details.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
    JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
```

name	quantity
The Classic Deluxe Pizza	2416
The Barbecue Chicken Pizza	2372
The Hawaiian Pizza	2370
The Pepperoni Pizza	2369
The Thai Chicken Pizza	2315

\$100



**Tandoori Paneer
(Indian)**

**ORDER
NOW**

6.JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.(INTERMEDIATE)



```
SELECT
    pizza_types.category,
    SUM(order_details.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY quantity DESC;
```

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

\$35



\$25

Pesto

ORDER NOW

Bianca



7.DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY(INTERMEDIATE)

```
SELECT
    HOUR(order_time) AS hour,
    COUNT(order_id) AS order_count
FROM
    orders
GROUP BY hour;
```

UTILIZE
OFFER

hour	order_count
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28
10	8



\$250

Four Cheese
(Quattro Formaggi)

8. JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.(INTERMEDIATE)



```
SELECT  
    category, COUNT(name)  
FROM  
    pizza_types  
GROUP BY category;
```

category	COUNT(name)
Chicken	6
Classic	8
Supreme	9
Veggie	9



\$250

White Pizza

**BEST
PRICE**

Veggie Pizza



\$50

9.GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.(INTERMEDIATE)



```
SELECT
    ROUND(AVG(quantity), 0) as Average_Pizza_Ordered_PerDay
FROM
    (SELECT
        orders.order_date, SUM(order_details.quantity) AS quantity
    FROM
        orders
    JOIN order_details ON orders.order_id = order_details.order_id
    GROUP BY orders.order_date) AS order_quantity;
```

\$250



Average_Pizza_Ordered_PerDay
138

**CHECK
IT'S TASTE**

Neapolitan

10. DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.(INTERMEDIATE)

```
SELECT
    pt.name, SUM(od.quantity * pi.price) AS revenue
FROM
    pizza_types AS pt
    JOIN
    pizzas AS pi ON pt.pizza_type_id = pi.pizza_type_id
    JOIN
    order_details AS od ON pi.pizza_id = od.pizza_id
GROUP BY pt.name
ORDER BY revenue DESC
LIMIT 3;
```

name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

\$280



Mushroom & Truffle

11.CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.[ADVANCED]

```
SELECT
    pizza_types.category,
    ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT
        ROUND(SUM(order_details.quantity * pizzas.price),2) AS total_revenue
    FROM
        order_details
        JOIN
        pizzas ON order_details.pizza_id = pizzas.pizza_id) * 100,2) AS revenue
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY revenue DESC;
```

category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

DIVINE

Hawaiian

\$90



12.DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.[ADVANCED]



```
select name,revenue from
(select category,name,revenue,
rank() over(partition by category order by revenue desc ) as rn
from
(select pizza_types.category,pizza_types.name,
sum(order_details.quantity * pizzas.price) as revenue
from order_details join pizzas on order_details.pizza_id=pizzas.pizza_id join
pizza_types on pizza_types.pizza_type_id=pizzas.pizza_type_id
group by pizza_types.category,pizza_types.name) as a) as b
where rn <=3;
```

name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Hawaiian Pizza	32273.25
The Pepperoni Pizza	30161.75
The Spicy Italian Pizza	34831.25
The Italian Supreme Pizza	33476.75
The Sicilian Pizza	30940.5
The Four Cheese Pizza	32265.700000000065
The Mexicana Pizza	26780.75
The Five Cheese Pizza	26066.5

\$55

**UNBEATABLE
TASTE**

BBQ CHICKEN

SUPREME

\$188



13.ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME. [ADVANCED]



```
select order_date,  
round(sum(revenue) over(order by order_date),2) as cum_revenue  
from  
(select orders.order_date,  
sum(order_details.quantity * pizzas.price) as revenue  
from order_details join pizzas on order_details.pizza_id=pizzas.pizza_id  
join orders on orders.order_id=order_details.order_id  
group by orders.order_date) as sales;
```

order_date	cum_revenue
2015-01-01	2713.85
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
2015-01-08	19399.05
2015-01-09	21526.4
2015-01-10	23990.35
2015-01-11	25862.65
2015-01-12	27781.7
2015-01-13	29831.3
2015-01-14	32358.7
2015-01-15	34343.5
2015-01-16	36937.65
2015-01-17	39001.75
2015-01-18	40978.6
2015-01-19	43365.75
2015-01-20	45763.65
2015-01-21	47804.2

order_date	cum_revenue
2015-01-22	50300.9
2015-01-23	52724.6
2015-01-24	55013.85
2015-01-25	56631.4
2015-01-26	58515.8
2015-01-27	61043.85
2015-01-28	63059.85
2015-01-29	65105.15
2015-01-30	67375.45
2015-01-31	69793.3
2015-02-01	72982.5
2015-02-02	75311.1
2015-02-03	77925.9
2015-02-04	80159.8
2015-02-05	82375.6
2015-02-06	84885.55
2015-02-07	87123.2
2015-02-08	89158.2
2015-02-09	91353.55
2015-02-10	93410.05
2015-02-11	95870.05



\$50

Craveworthy

Sicilian

MEET OUR FOUNDER

• • •
• • •
• • •

Mr.Rahul Sah

You guys are heartly welcome in my pizza house.

we make this as to serve our family before than customer that means

each customer is like our family to us.

Eat as much as you can and don't forget to come again.

Thank you!



I'm the owner of this pizza house. My Parents used to sale it ,which i am continuing and i used to love this and enjoy to be part of it.

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CUSTOMER REVIEW



Roshan Mehara

Absolutely delicious! Every bite of this pizza was packed with flavor. The crust was perfectly crispy, and the toppings were fresh and generous. Definitely my new go-to pizza place



Shrijana Yadav

Hands down the best pizza I've ever had! The flavors were perfectly balanced, and the crust was both light and crispy. Worth every penny – highly recommend



FANTASTIC WORD ABOUT PIZZA

1. Global Favorite
2. Origins in Italy
3. Endless Variety
4. Versatile Meal
5. Cultural Adaptations





DINE-IN, TAKEOUT, & DELIVERY



Our Address :

RVS-NAGAR--CHITTOOR(A.P)



Our Phone :

++91 6545423543

+91 6532762783



THANK YOU FOR ATTENTION

See You Next