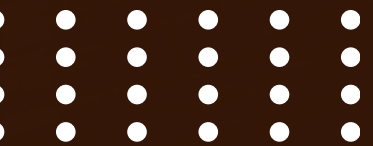


SQL pizzas sale project

A DATA ANALYSIS CASE STUDY USING SQL





ABOUT MY SQL PIZZAS SALE PROJECT



**The project analyzes pizza
sales data using sql**

It focus on data cleaning,querying,and generating insights
from the dataset

To identify the sales trends,best_selling pizzas,revenue
patterns,and customer preferences



TOOLS & SKILLS

Database:MySQL

- . sql concepts applied:
- . joins
- . Aggregate functions(sum,avg,count)
- . group by,order by,Having,subqueries



Role: Data Analyst(SQL Pizzas Sale Project)

RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED

```
SELECT
```

```
    COUNT(order_id) AS total_orders
```

```
FROM
```

```
orders;
```

Result Grid



| | total_orders |
|---|--------------|
| ▶ | 21350 |

CALCULATE TOTAL REVENUE GENERATED BY PIZZA SALE



```
SELECT
    SUM(order_detail.quantity * pizzas.price) AS total_sales
FROM
    order_detail
    JOIN
    pizzas ON pizzas.pizza_id = order_detail.pizza_id
```

| Result Grid | |
|-------------|-------------------|
| | total_sales |
| ▶ | 817860.0499999993 |

IDENTIFY THE HIGHEST PRICED PIZZAS



```
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;
```

| Result Grid   Filter Rows | | |
|---|-----------------|-------|
| | name | price |
| ▶ | The Greek Pizza | 35.95 |

IDENTIFY THE MOST COMMON PIZZAS SIZE ORDERD

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

Result Grid

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

LIST THE TOP 5 MOST ORDERD PIZZA TYPE ALONG WITH THEIR QUANTITY




```
SELECT
    pizza_types.name, SUM(order_detail.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_detail ON order_detail.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```

| Result Grid | | | Filter Rows: |
|-------------|----------------------------|----------|--------------|
| | name | quantity | |
| ▶ | The Classic Deluxe Pizza | 2453 | |
| | The Barbecue Chicken Pizza | 2432 | |
| | The Hawaiian Pizza | 2422 | |
| | The Pepperoni Pizza | 2418 | |
| | The Thai Chicken Pizza | 2371 | |

JOIN THE NECESSARY TABLES TO FIND -TOTAL QUANTITY OF EACH PIZZAS CATEGORY ORDERD



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

| Result Grid | | |  Filter |
|-------------|----------|----------|---|
| | category | quantity | |
| ▶ | Classic | 14888 | |
| | Supreme | 11987 | |
| | Veggie | 11649 | |
| | Chicken | 11050 | |



DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY



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



| Result Grid | | | Filter Rows: |
|-------------|------------------|-----------------|--------------|
| | hour(order_time) | count(order_id) | |
| ▶ | 11 | 1231 | |
| | 12 | 2520 | |
| | 13 | 2455 | |
| | 14 | 1472 | |
| | 15 | 1468 | |
| | 16 | 1920 | |
| | 17 | 2336 | |



JOIN RELEVANT TABLES TO FIND THE CATEGORY WISE DISTRIBUTION OF PIZZAS



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

| Result Grid   Filter Rows: | | |
|--|----------|-------------|
| | category | COUNT(name) |
| ▶ | Chicken | 6 |
| | Classic | 8 |
| | Supreme | 9 |
| | Veggie | 9 |



DETERMINE THE TOP 3 MOST ORDERD PIZZAS TYPE BASED ON REVENUE



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

| Result Grid | | | Filter Rows: |
|-------------|------------------------------|----------|--------------|
| | name | revenue | |
| ▶ | The Thai Chicken Pizza | 43434.25 | |
| | The Barbecue Chicken Pizza | 42768 | |
| | The California Chicken Pizza | 41409.5 | |



GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBERS OF PIZZAS ORDERD PER DAY



SELECT

round(AVG(quantity),0) as avg_pizzas_orderd_per_day

FROM

(SELECT

orders.order_date, SUM(order_detail.quantity) AS quantity

FROM

orders

JOIN order_detail ON orders.order_id = order_detail.order_id

GROUP BY orders.order_date) AS order_quantity;

Result Grid



Filter Rows:

| | |
|---|---------------------------|
| | avg_pizzas_orderd_per_day |
| ▶ | 138 |



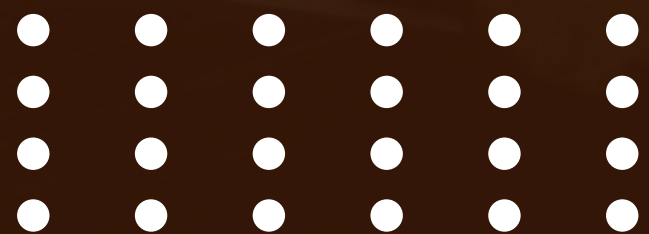
SQL Pizzas Sale Project

THANK YOU
FOR ATTENTION



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