Premium

PIZZA

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pepperoni, and clas
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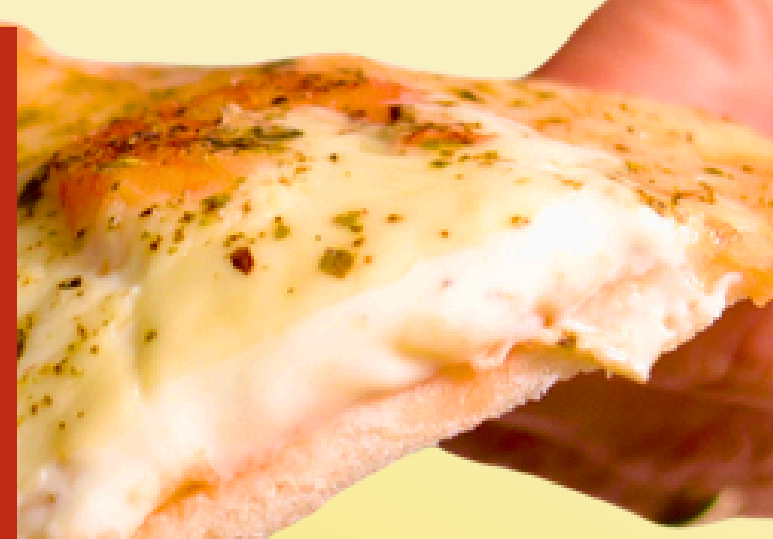

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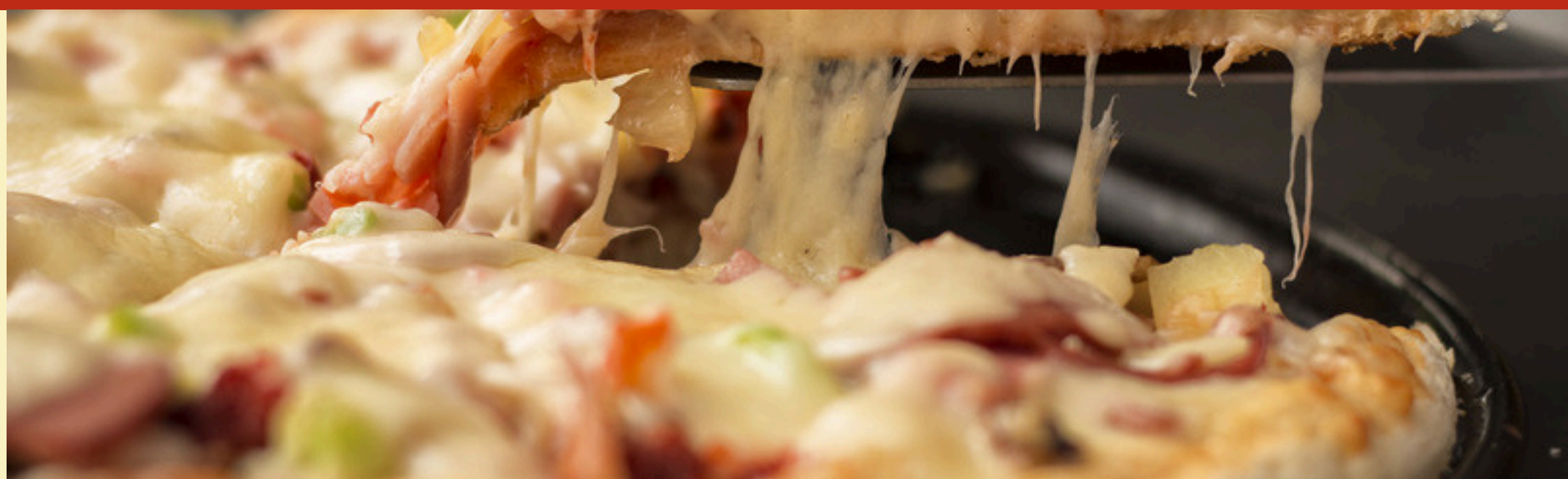
pizza sales analysis using SQL

prepared by- kuldeep singh

Toll used - MYSQL

PIZZA SALE DATASET



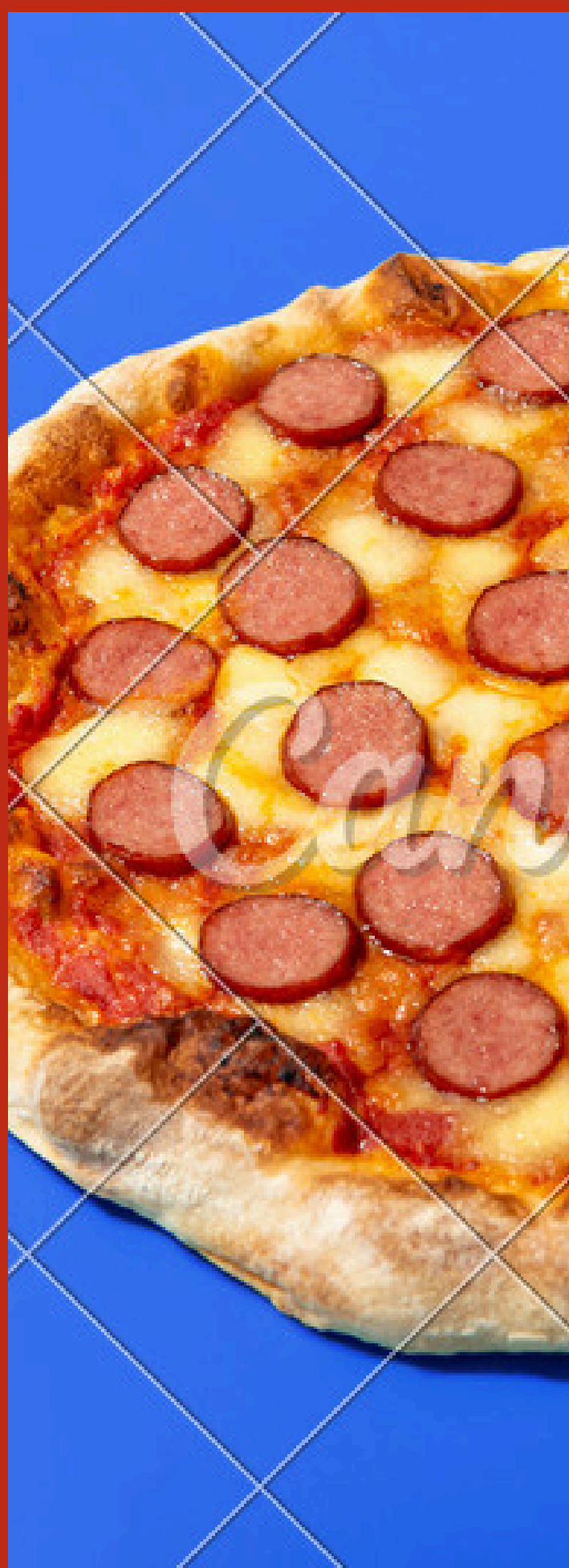
The objective of this project is to analyze pizza sales data using SQL

Understand sales performance

Identify top & least selling pizzas

Analyze customer ordering patterns

Support business decision-making



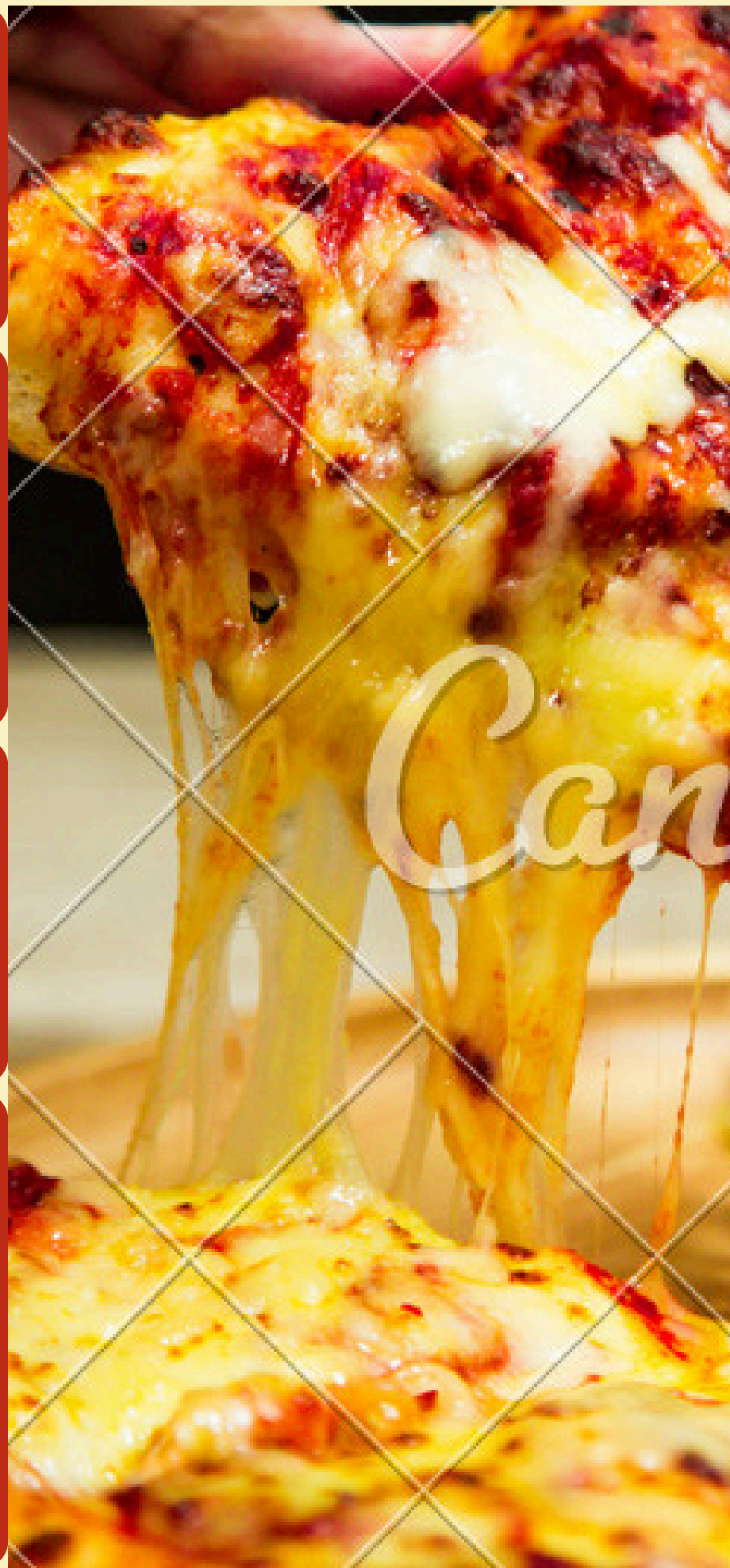
The dataset contains the following tables

orders

order_details

pizzas

pizza_types



Columns

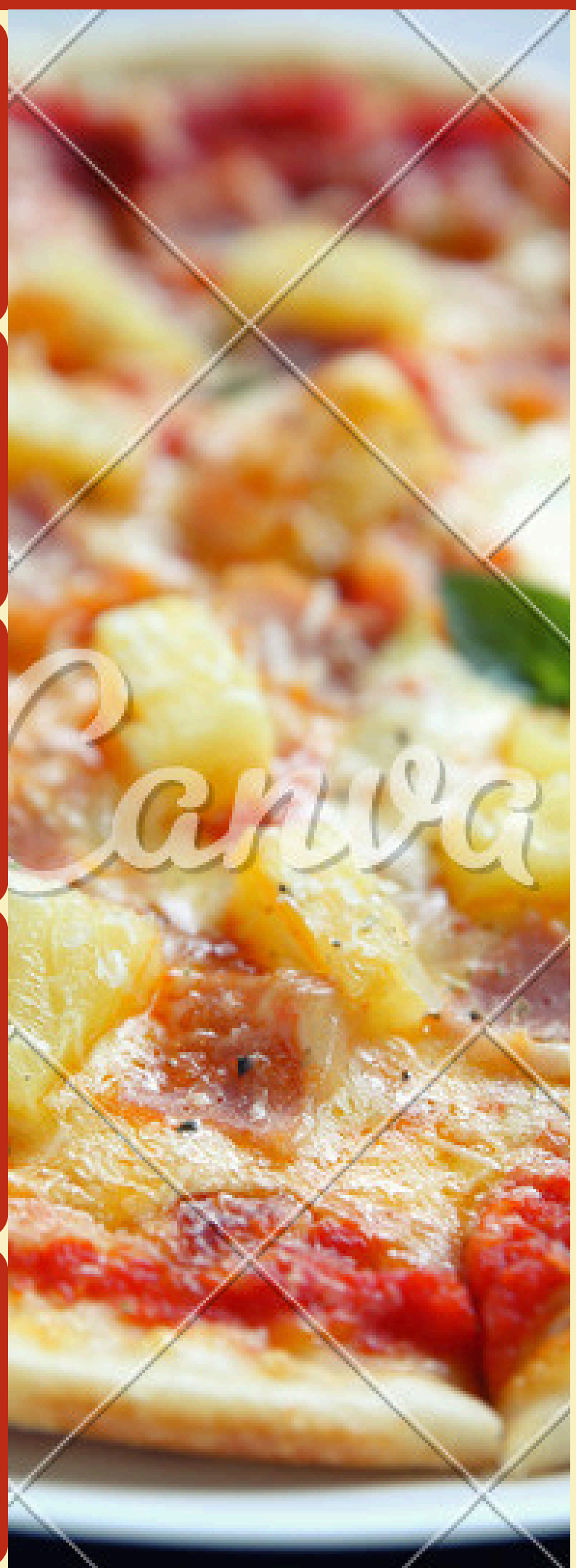
Order ID

Pizza Name

Category

Quantity

Order Date & Time



Tools & Technologies Used

Database: MySQL

Purpose: Data Analysis & Reporting

cust_detail | cc_add | cust_detail | cc_detail | cc_add | Query 28 | pizzas | pizza_types | pizza_types | orders

Limit to 400 rows

```
ROM (
    SELECT
        pizza_types.category,
        pizza_types.name,
        SUM(orders_detailes.quantity * pizzas.price) AS revenue
    FROM orders_detailes
    JOIN pizzas
        ON orders_detailes.pizza_id = pizzas.pizza_id
    JOIN pizza_types
        ON pizzas.pizza_type_id = pizza_types.pizza_type_id
    GROUP BY
        pizza_types.category,
        pizza_types.name
 AS a
b
 run >= 3;
```

TOTAL NUMBER OF ORDER PLACED

```
SELECT COUNT(order_id) AS TOTAL_ORDER FROM ORDE
```

Result Grid

TOTAL_ORDER
21350

calculate highest price pizza

```sql
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;
select * from orders_detailes;
```

order_detail_id	order_id	pizza_id	quantity
1	1	hawaiian_m	1
2	2	classic_dlx_m	1
3	2	five_cheese_l	1
4	2	ital_supr_l	1
5	2	mexicana_m	1
6	2	thai_ckn_l	1
7	3	ital_supr_m	1
8	3	prsc_argla_l	1

list the top 5 most orderd pizza type along with the quantiy

```sql
SELECT
    pizza_types.name,
    SUM(orders_detailes.quantity) AS total_quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_detailes ON orders_detailes.pizza_id = pizzas.pizza_
GROUP BY pizza_types.name
ORDER BY total_quantity desc
LIMIT 5;
```

name	total_quantity
The Thai Chicken Pizza	2371
The Pepperoni Pizza	2418
The Hawaiian Pizza	2422
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432

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

```sql
SELECT
    ROUND(AVG(quantity),0)
FROM
(SELECT
    orders.order_date AS order_by_date,
        SUM(orders_detailes.quantity) AS quantity
FROM
    orders
JOIN orders_detailes ON orders.order_id = orders_detailes.order_id
GROUP BY order_by_date) AS order_quantiy;
```

Result Grid | Filter Ro

ROUND(AVG(quant...),0)
138

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

```sql
SELECT
    pizza_types.name,
    ROUND(SUM(orders_detailes.quantity * pizzas.price),
            2) AS revenue
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_detailes ON orders_detailes.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.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

The California Chicken Pizza

Calculate the percentage contribution of each pizza type to total revenue

```sql
SELECT
    pizza_types.category,
    ROUND(
        (SUM(orders_detailes.quantity * pizzas.price) /
        (SELECT SUM(orders_detailes.quantity * pizzas.price)
        ) * 100,
    2) AS revenue_percentage
FROM pizza_types
JOIN pizzas
    ON pizza_types.pizza_type_id = pizzas.pizza_type_id
JOIN orders_detailes
    ON orders_detailes.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category;
```

Result Grid | Filter Rows:

category	revenue_percentage
Classic	26.91
Veggie	23.68
Supreme	25.46

Conclusion & Business Recommendations

Promote top-selling pizzas
Improve marketing during peak hours

Optimize or remove least-selling pizzas
Introduce combo offers on weekends