

MYSQL PROJECT
PIZZA SALES ANALYSIS
BY
GAURI JIDDEWAR



OBJECTIVE

Analyze the pizza sales database to extract valuable insights about the sales trends and customer behavior ,examine the dataset and help to understand business-related questions and make the right strategies in the future.



QUESTIONS

- 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.
- 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.
- 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.



RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED

| #139828910



```
SELECT * FROM ORDERS;  
SELECT COUNT(ORDER_ID) AS TOTAL_ORDERS FROM ORDERS;
```

Result Grid

	TOTAL_ORDERS
▶	21350



Calculate the total revenue generated from pizza sales.

```
SELECT  
    ROUND(SUM(order_details.QUANTITY * pizzas.PRICE),  
        2) AS TOTAL_SALES  
FROM  
    order_details  
    JOIN  
    PIZZAS ON pizzas.pizza_id = order_details.PIZZA_ID;
```

Result Grid	
	TOTAL_SALES
▶	817860.05

IDENTIFY THE HIGHEST-PRICED PIZZA.

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

Result Grid | Filter R

NAME	price
The Greek Pizza	35.95



IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

```
SELECT  
    pizzas.size,  
    COUNT(order_details.ORDER_DETAILS_ID) AS order_count  
FROM  
    pizzas  
        INNER JOIN  
            order_details ON pizzas.pizza_id = order_details.PIZZA_ID  
GROUP BY pizzas.size  
ORDER BY order_count desc  
LIMIT 1;
```



Result Grid

size	order_count
L	18526



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

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

```
SELECT pizza_types.name, SUM(order_details.QUANTITY) AS QUANTITY
FROM pizza_types
INNER 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.name
ORDER BY QUANTITY DESC
LIMIT 5;
```

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

```
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;
```



Result Grid | Filter

	category	quantity
▶	Classic	1488
	Supreme	11987
	Veggie	11649
	Chicken	11050

DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY

| #139828910

```
select hour(order_time) as hour ,count(order_id)  as order_count from orders  
group by hour(order_time);
```

Result Grid |

hour	order_count
11	1231
12	2520
13	2455
14	1472
15	1468

Result Grid |

hour	order_count
15	1468
16	1920
17	2336
18	2399
19	2009

Result Grid |

hour	order_count
20	1642
21	1198
22	663
23	28
10	8





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

```
select category, count(name)  
from pizza_types  
group by category;
```

Result Grid | Filter Row

	category	count(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

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

```
select round(avg (quantity),0)as avg_pizza_ordered 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;
```



avg_pizza_ordered
138

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

```
select pizza_types.name,  
sum(order_details.quantity * pizzas.price) as revenue  
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 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

INSIGHTS

- ▼ Large pizzas are the most popular, with 18,526 orders.
- ▼ The Classic Deluxe Pizza is the top favorite, totaling 2,453 orders.
- ▼ Classic pizzas lead in revenue contribution, making up 26.91% of the total.
- ▼ The Thai Chicken Pizza stands out as a major revenue generator.
- ▼ Average pizza sales are 138.
- ▼ The Veggie category reaches a peak order of 9.

THANK YOU

