

PIZZA SALES REPORT USING SQL DATA ANALYSIS

Hello

My name is Bhavin umatiya

This project I have used a SQL project to solve some question related to pizza sales.




INTRODUCTION

Welcome to my Sales Report Today, we delve into a comprehensive overview of our sales performance, exploring the highs, challenges, and strategic insights that have shaped our journey. This presentation is more than just numbers, it's a narrative of our collective efforts, showcasing the impact of our sales strategies and the pathways to future success.



ABOUT PROJECT

Let's analyze your pizza sales information!
With its oven mitt, this SQL report will let you extract piping hot information. Thanks to the magic of data analysis, we'll be able to determine customer preferences and identify the best-selling pizzas by analyzing sales data.



QUESTIONS

- 01 Retrieve the total number of orders placed.
- 02 Calculate the total revenue generated from pizza sales.
- 03 Identify the highest-priced pizza.
- 04 Identify the most common pizza size ordered.
- 05 List the top 5 most ordered pizza types along with their quantities.
- 06 Join the necessary tables to find the total quantity of each pizza category ordered.
- 07 Determine the distribution of orders by hour of the day.
- 08 Join relevant tables to find the category-wise distribution of pizzas.
- 09 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.

01

Retrieve the total number of orders placed.

```
• SELECT  
    COUNT(order_id) AS total_orders  
FROM  
    orders;
```

Result Grid	
	total_orders
▶	21350

02

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

03

Identify the highest-priced pizza.

```
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 5;
```

Result Grid   Filter Rows: <input type="text"/>		
	name	price
▶	The Greek Pizza	35.95
	The Greek Pizza	25.5
	The Brie Carre Pizza	23.65
	The Italian Vegetables Pizza	21
	The Barbecue Chicken Pizza	20.75

04

Identify the most common pizza size ordered.

```
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;
```

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

05

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
    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;
```

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	

06

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

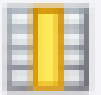

```
SELECT
    pizza_types.category,
    SUM(order_details.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY quantity DESC;
```

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

07

Determine the distribution of orders by hour of the day.



```
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		
	16	1920		
	17	2336		
	18	2399		
	19	2009		

08

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

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

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

09

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

SELECT`ROUND(AVG(quantity), 0) as avg_pizza_order_per_day`**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;`

Result Grid



Filter Rows:

	avg_pizza_order_per_day
▶	138

10

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	



THANK YOU