

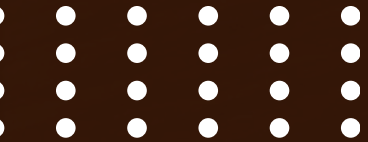
Where Every Slice is a Taste of Perfection

WELCOME TO PIZZAHUT



**ORDER
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ABOUT OUR PIZZA RESTO

Our Passion for Pizza

This analysis focuses on the Pizzahut database, examining key insights related to orders, revenue, and pizza sales performance. The dataset includes tables such as orders, order_details, pizzas, and pizza_types to derive meaningful business metrics.

Key highlights:

- Total Orders: Calculation of the number of orders placed.
- Revenue Analysis: Aggregation of total revenue generated from pizza sales.
- Top-Selling & Highest-Priced Pizzas: Identifying the most popular and expensive pizzas.
- Order Trends: Analyzing order frequency over time.

Retrieve the total number of orders placed.

This SQL query calculates the total number of orders placed in the orders table, providing an overall count of transactions.

```
select  
    count(order_id) as Total_Orers  
from  
    orders;
```

	Total_Orers
▶	21350

Identify the highest-priced pizza.

This SQL query calculates the total revenue generated from pizza sales by multiplying the quantity of each pizza ordered by its price and summing the results, rounding to two decimal places.

```
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;
```

name	price
The Greek Pizza	35.95

Calculate the total revenue generated from pizza sales.

This query calculates the total revenue from pizza sales by summing the product of pizza quantity and price, ensuring the result is rounded to two decimal places.

```
select
    round(sum(order_details.quantity * pizzas.price),
          2) as total_revenue
from
    order_details
    join
    pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

	total_revenue
▶	817860.05

Identify the most common pizza size ordered.

This query counts the number of orders for each pizza size, grouping by size and sorting the results in descending order to identify the most ordered pizza size.

```
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

List the top 5 most ordered pizza types along with their quantities.

This query identifies the top 5 most ordered pizza types by summing the total quantity ordered for each type and sorting the results in descending order.

```
    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 pizzas.pizza_id = order_details.pizza_id
group by pizza_types.name
order by quantity desc
limit 5;
```

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 the total quantity of each pizza category ordered.

This query calculates the total quantity of pizzas ordered for each category, grouping by category and sorting the results in descending order to show the most popular categories.

```
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 pizzas.pizza_id = order_details.pizza_id
group by pizza_types.category
order by quantity desc;
```

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

Determine the distribution of orders by hour of the day.

This query counts the number of orders placed each hour, grouping by hour to analyze order distribution throughout the day.

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

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
9	1

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

This query counts the number of pizza types in each category, grouping by category to show how many different pizzas belong to each type.

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

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.

This query calculates the average number of pizzas ordered per day, by first summing the total pizzas ordered each day and then averaging that value across all days, rounding to the nearest whole number.

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

average_pizza_ordered_per_day

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

This query identifies the top 3 highest revenue-generating pizza types by calculating total sales for each pizza type and sorting them in descending order.

```
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;
```

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

Calculate the percentage contribution of each pizza type to total revenue.

This query calculates the percentage of total revenue contributed by each pizza category, sorting the results in descending order to show the highest-earning categories.

```
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 pizzas.pizza_id = order_details.pizza_id) *100,2) 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.category order by revenue desc;
```

category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

Analyze the cumulative revenue generated over time.

This query calculates the cumulative revenue over time, summing daily revenue in chronological order to track the total earnings growth.

```
select order_date,  
sum(revenue) over(order by order_date) 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	2713.85000000000004
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

Determine the top 3 most ordered pizza types based on revenue for each pizza category

This query identifies the top 3 highest revenue-generating pizzas in each category, ranking them within their respective categories based on total revenue.

```
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 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, 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	32265.7000
The Mexicana Pizza	26780.75
The Five Cheese Pizza	26066.5

"Pizza Hut Sales & Revenue Analysis: Key Insights & Trends"

Pizza Hut Sales & Revenue Analysis

This analysis provides insights into total orders, revenue generation, top-selling pizzas, and category-wise performance. It identifies the most profitable pizzas, peak ordering times, and revenue contributions by category. Additionally, cumulative revenue trends help track business growth over time. These insights can assist in optimizing pricing, improving inventory management, and enhancing overall sales strategies.

Furthermore, the analysis highlights customer preferences based on pizza size, type, and category, helping to identify high-demand products. By understanding order patterns and revenue distribution, businesses can make data-driven decisions to enhance marketing strategies, streamline operations, and maximize profitability.



Pizza Resto Presentation

THANK YOU
FOR ATTENTION



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