

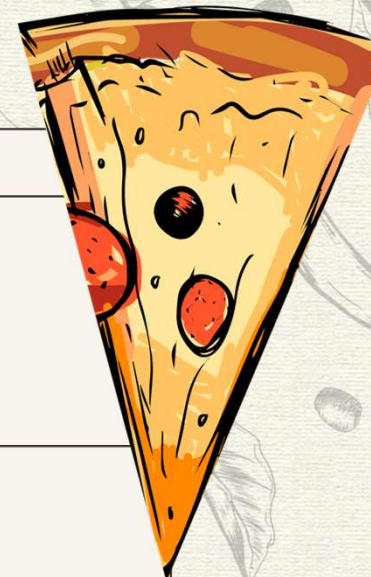
Exploring Pizza Sales Data





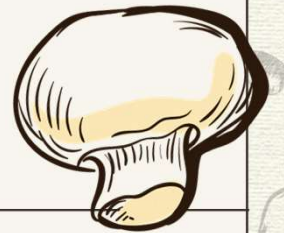
INTRODUCTION

In this project, we delve into pizzahut sales data to uncover valuable information. From order volumes and popular toppings to distribution hours and revenue. We will slice through the data to serve Question and their answers.



Entities

- Orders
- Orders_details
- Pizza_types
- pizzas



The background of the slide features a detailed illustration of a pizza with various toppings including mushrooms, green peppers, and a slice of pepperoni. Surrounding the pizza are several fresh vegetables: a whole red tomato, green basil leaves, and sliced mushrooms. The entire scene is set against a light beige background with faint, sketchy outlines of additional vegetables.

SQL

Practical Question

A simple, thin black horizontal arrow pointing to the right, located at the bottom center of the slide.

Retrieve the total number of orders placed

```
SELECT  
COUNT(order_id)  
AS  
total_orderFROM  
orders;
```

	total_order
▶	21350



Calculate the total revenue generated from pizza sales.

```
SELECT  
ROUND(SUM(orders_details.quantity  
* pizzas.price), 2) AS  
total_sales FROM orders_details  
JOIN pizzas ON pizzas.pizza_id =  
orders_details.pizza_id;
```

	total_sales
▶	817860.05

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  
  1;
```

	name	price
▶	The Greek Pizza	35.95

Identify the most common pizza size ordered

```
SELECT pizzas.size,  
COUNT(orders_details.  
order_details_id)FROM  
pizzas JOIN  
orders_details ON  
pizzas.pizza_id =  
orders_details.pizza_id  
GROUP BY  
pizzas.sizeORDER BY  
COUNT(orders_details.  
order_details_id)  
DESCLIMIT 1;
```

	size	COUNT(orders_details.order_details_id)
▶	L	18526

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

```
SELECT  pizza_types.name,  
SUM(orders_details.quantity)FROM  
pizza_types      JOIN  pizzas ON  
pizza_types.pizza_type_id =  
pizzas.pizza_type_id      JOIN  
orders_details ON  
orders_details.pizza_id =  
pizzas.pizza_idGROUP BY  
pizza_types.nameORDER BY  
SUM(orders_details.quantity)  
DESCLIMIT 5;
```

	name	SUM(orders_details.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

```
SELECT pizza_types.category,  
SUM(orders_details.quantity)FROM  
pizza_types JOIN pizzas ON  
pizza_types.pizza_type_id =  
pizzas.pizza_type_id JOIN  
orders_details ON  
orders_details.pizza_id =  
pizzas.pizza_idGROUP BY  
pizza_types.category;
```

	category	SUM(orders_details.quantity)
▶	Classic	14888
	Veggie	11649
	Supreme	11987
	Chicken	11050

Determine the distribution of orders by hour of the day

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

	HOUR(orders.order_time)	COUNT(order_id)
▶	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

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

```
SELECT category,  
COUNT(name)FROM  
pizza_typesGROUP 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


```
SELECT  
AVG(quantity)FROM  
(SELECT  
orders.order_date,  
SUM(orders_details.quantit  
y) AS quantity FROM  
orders JOIN  
orders_details ON  
orders.order_id =  
orders_details.order_id  
GROUP BY  
orders.order_date) AS  
order_quantity;
```

	AVG(quantity)
▶	138.4749



Conclusion

Exploration of pizza sales data yielded valuable Information for optimizing business operations. By analyzing order volumes, order distribution , and customer preferences, we identified key areas for improvement. Efficient inventory management, payment, and revenue are critical for sustained success. As we slice through the data, let's leverage these findings to enhance customer satisfaction and drive growth in our pizza business.



The background features a light beige textured surface with faint, grey line-art sketches of various food items like mushrooms, tomatoes, and leaves. Overlaid on this are several colorful, hand-drawn illustrations: a large pizza slice with toppings (tomato, basil, olives) in the top-left; a whole tomato with a green stem in the top-right; a whole tomato in the bottom-left; a mushroom in the bottom-left; and a pizza slice with toppings (tomato, basil, olives) in the bottom-right. A thin horizontal line runs across the middle of the page, separating the header from the main content area.

THANKS!

Do you have any questions?

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