

### DATASET OVERVIEW

Pizza sales dataset contains a year of sales data from a fictional pizza restaurant, featuring 48,620 records across 4 Tables. It includes details like order timestamps, item names, prices, and quantities. It useful for analyzing revenue, popular items, and sales trends.



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	pizza_id	pizza_type_id	size	price
1	bbq_ckn_s	bbq_ckn	S	12.75
2	bbq_ckn_m	bbq_ckn	M	16.75
3	bbq_ckn_l	bbq_ckn	L	20.75
4	cali_ckn_s	cali_ckn	S	12.75
5	cali_ckn_m	cali_ckn	M	16.75
6	cali_ckn_l	cali_ckn	L	20.75
7	ckn_alfredo_s	ckn_alfredo	S	12.75
8	ckn_alfredo_m	ckn_alfredo	M	16.75
9	ckn_alfredo_l	ckn_alfredo	L	20.75
10	ckn_pesto_s	ckn_pesto	S	12.75

#### Orders Table

	order_id	date	time
1	1	2015-01-01	11:38:36.0000000
2	2	2015-01-01	11:57:40.0000000
3	3	2015-01-01	12:12:28.0000000
4	4	2015-01-01	12:16:31.0000000
5	5	2015-01-01	12:21:30.0000000
6	6	2015-01-01	12:29:36.0000000
7	7	2015-01-01	12:50:37.0000000
8	8	2015-01-01	12:51:37.0000000
9	9	2015-01-01	12:52:01.0000000
10	10	2015-01-01	13:00:15.0000000

### **DATASET OVERVIEW**

#### Pizza Types Table

	pizza_type_id	name	category	ingredients
1	bbq_ckn	The Barbecue Chicken Pizza	Chicken	Barbecued Chicken, Red Peppers, Green Peppers, To
2	cali_ckn	The California Chicken Pizza	Chicken	Chicken, Artichoke, Spinach, Garlic, Jalapeno Peppers
3	ckn_alfredo	The Chicken Alfredo Pizza	Chicken	Chicken, Red Onions, Red Peppers, Mushrooms, Asia
4	ckn_pesto	The Chicken Pesto Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Spinach, Garlic, Pe
5	southw_ckn	The Southwest Chicken Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Red Onions, Jalape
6	thai_ckn	The Thai Chicken Pizza	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, Thai Sw
7	big_meat	The Big Meat Pizza	Classic	Bacon, Pepperoni, Italian Sausage, Chorizo Sausage
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#### Order Details Table

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



select count(order\_id) as Total\_order from orders

Total\_order

## Calculate the total revenue generated from pizza sales.

```
select round(sum(order_details.quantity * pizza.price),0) as Total_Sales
from order_details
join pizza on order_details.pizza_id = pizza.pizza_id
```



### Identify the highest-priced pizza

```
jselect top 1 pizza.price ,pizza_types.name from pizza
join pizza_types on pizza.pizza_type_id = pizza_types.pizza_type_id
where price = (select max(price) as highest_priced_pizza from pizza)
```

⊞ F	Results	Messages
	price	name
1	35.95	The Greek Pizza

### Identify the most common pizza size ordered

select pizza.size,(count(order\_details.quantity)) as Count\_quantity from pizza
join order\_details on pizza.pizza\_id = order\_details.pizza\_id
group by pizza.size

order by pizza.size asc

	Results	Messages
	size	Count_quantity
1	L	37052
2	M	30770
3	S	28274
4	XL	1088
5	XXL	56

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

select top 5 pizza\_types.name , sum(order\_details.quantity) AS Quantity from pizza\_types
join pizza on pizza\_types.pizza\_type\_id =pizza.pizza\_type\_id
join order\_details on order\_details.pizza\_id = pizza.pizza\_id
group by pizza\_types.name
order by Quantity desc

	Results	Messages	
	name		Quantity
1	The C	lassic Deluxe Pizza	9812
2	The B	arbecue Chicken Pizza	9728
3	The H	awaiian Pizza	9688
4	The P	epperoni Pizza	9672
5	The T	hai Chicken Pizza	9484

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

select pizza\_types.category , sum(order\_details.quantity) as Total\_Quantity
from pizza\_types join pizza on pizza\_types.pizza\_type\_id = pizza.pizza\_type\_id
join order\_details on order\_details.pizza\_id=pizza.pizza\_id
group by pizza\_types.category

	Results		Messages
	catego	ry	Total_Quantit
1	Chicke	en	44200
2	Classi	С	59552
3	Supre	me	47948
4	Veggi	е	46596

# Determine the distribution of orders by hour of the day

select distinct(datepart(HOUR, time)) as Hour , count(order\_id) as Order\_count from orders
group by datepart(HOUR, time)
order by hour asc

■ Results		Messages
	Hour	Order_count
1	9	1
2	10	14
3	11	2086
4	12	4223
5	13	4115
6	14	2532
7	15	2485
8	16	3246
9	17	3958
10	18	4051
11	19	3380
12	20	2756
13	21	2018
14	22	1111
15	23	48



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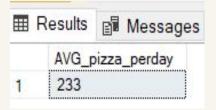
# Find the category-wise distribution of pizzas

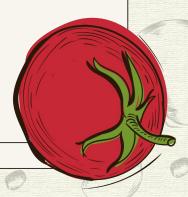
select category,count(name) as Count\_pizza from pizza\_types
group by category

	Results		Messages
	catego	ry	Count_pizza
1	Chicke	en	12
2	Classi	С	16
3	Supre	me	18
4	Veggi	е	18

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

select round(avg(Quantity),0) as AVG\_pizza\_perday from
(select orders.date,sum(order\_details.quantity) as Quantity from orders
join order\_details on order\_details.order\_id=orders.order\_id
group by orders.date) as order\_quantity





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

```
jselect top 3 pizza_types.name,round(sum(order_details.quantity * pizza.price),0) as Total_Sales
from order_details join pizza
on order_details.pizza_id =pizza.pizza_id
join pizza_types on pizza_types.pizza_type_id = pizza.pizza_type_id
group by pizza_types.name
order by Total Sales desc
```

	Results	Messages	
	name		Total_Sales
1	The Thai Chicken Pizza		173737
2	The Barbecue Chicken Pizza		171072
3	The California Chicken Pizza		165638

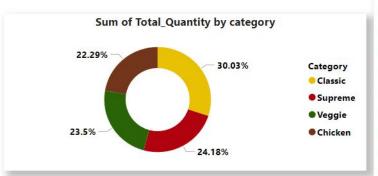


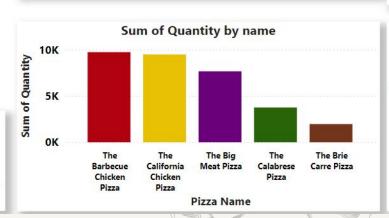
### Pizza Sales Dashboard

36K Sum of Total\_order

1.64M
Sum of Total\_Sales

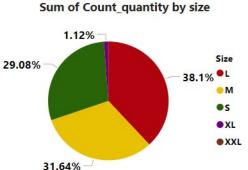
233.00
Sum of AVG\_pizza\_perday







- ✓ Select all
- ✓ The Barbecue Chicken Pizza
- The Big Meat Pizza
- ▼ The Brie Carre Pizza
- **▼** The Calabrese Pizza
- ▼ The California Chicken Pizza
- ✓ The Chicken Alfredo Pizza
- ✓ The Chicken Pesto Pizza
- ▼ The Classic Deluxe Pizza
- ▼ The Five Cheese Pizza
- ▼ The Four Cheese Pizza
- The Greek Pizza





### Dashboard Insight

#### Overall Sales Summary:

- Total Orders: 36K pizzas were ordered, reflecting strong demand.
- Total Sales: Revenue reached 1.64 million, indicating a high level of business.
- Average Daily Sales: Approximately 233 pizzas are sold daily, showing consistent customer interest.

#### Category Insights:

• Classics lead with 30% of sales, followed by Supreme, Veggie, and Chicken.

#### Top Performing Pizzas:

• Barbecue Chicken and California Chicken are bestsellers, with Big Meat also popular.

#### Pizza Size Preferences:

 Large (38.1%) and Medium (31.6%) are preferred, with minimal demand for XL and XXL sizes.



### THANK YOU

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