

TRY OUR NEW PIZZA

"Hi, I'm Sajita. I've crafted a SQL project focused on pizza sales analysis. Using SQL queries, I've addressed key questions related to pizza sales data, uncovering insights into customer preferences and industry trends."

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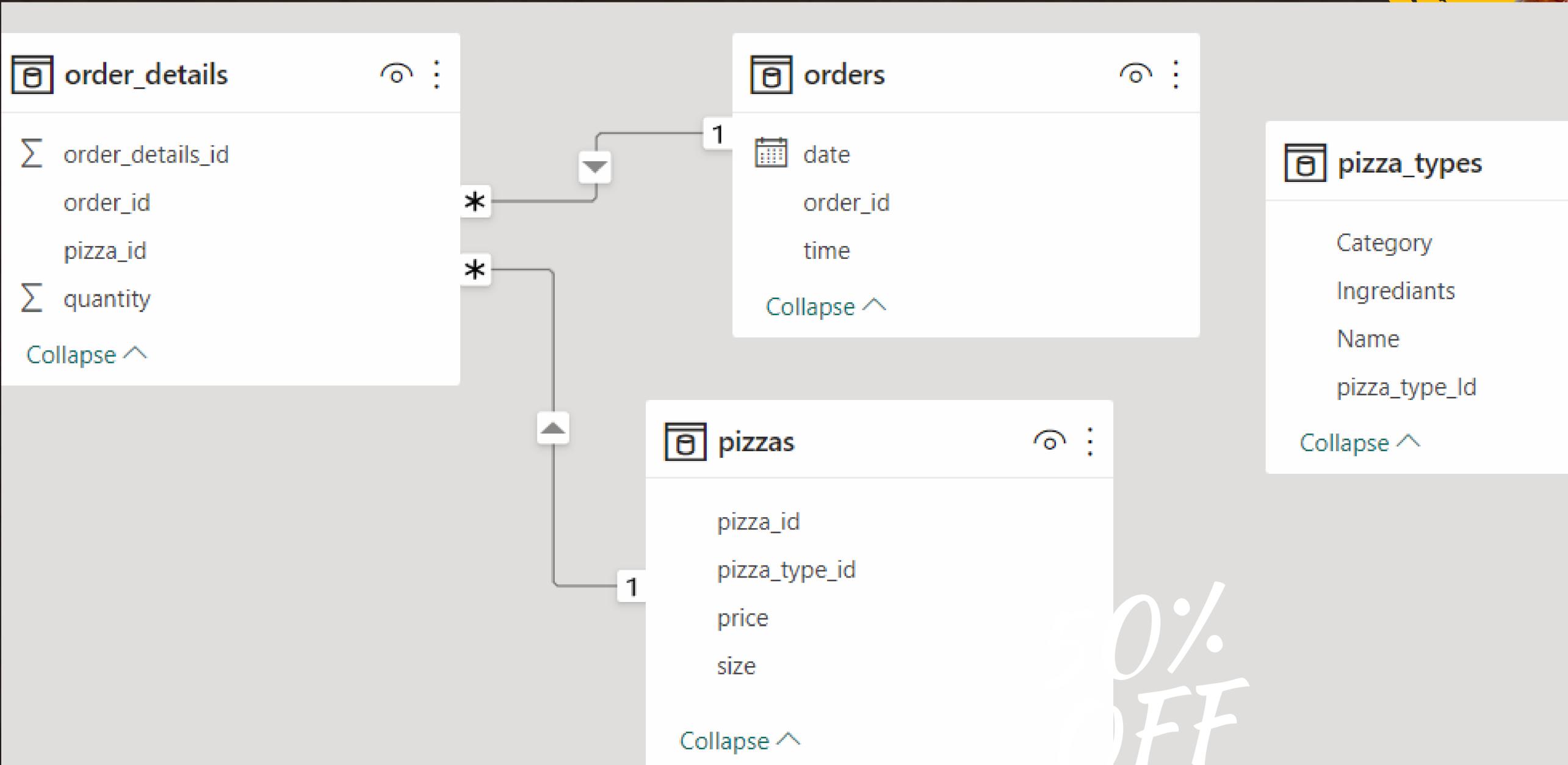
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50%
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SCHEMAS



Q1. RETRIEVE THE TOTAL NUMBER OF ORDER PLACED.

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

	total_orders
▶	21350

Q2. 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

Q3. 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

Result Grid | **Filter Rows:**

	name	price
▶	The Greek Pizza	35.95

Q4. IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

```
SELECT  
    pizzas.size,  
    COUNT(order_details.order_detail_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

Q5 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 1

ORDER BY 2 DESC

LIMIT 5;

	name	quantity
▶	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pi	The Barbecue Chicken
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371

Q 6 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 1  
ORDER BY 2;
```

	category	quantity
>	Chicken	11050
	Veggie	11649
	Supreme	11987
	Classic	14888

Q7 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 1;
```

	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

Q8 JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS

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

Result Grid | Filter Rows:

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

Q9. GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

```
SELECT  
    ROUND(AVG(quantity), 0) AS avg_qty  
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_qty
▶	138

Q10 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 1  
 ORDER BY 2 DESC  
 LIMIT 3;
```

	name	Revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5

Q11 CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

```
(select pizza_types.category,  
round(sum(order_details.quantity * pizzas.price) / ( 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 )*100,2) as Percentage_Total_revenue  
from order_details join pizzas  
on order_details.pizza_id = pizzas.pizza_id  
join pizza_types on  
pizzas.pizza_type_id = pizza_types.pizza_type_id  
group by 1  
order by 2 desc);
```

Result Grid | Filter Rows:

	category	Percentage_Total_revenue
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

Q12 ANALYSE THE CUMULATIVE REVENUE GENERATED OVER TIME*

```
select order_date,  
sum(revenue) over(order by order_date) as cum_revenue  
from  
(select orders.order_date,  
round(sum(order_details.quantity* pizzas.price),0) 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  
WHERE orders.order_date BETWEEN '2015-01-01' AND '2015-01-10'  
group by 1) as Sales;
```

	order_date	cum_revenue
▶	2015-01-01	2714
	2015-01-02	5446
	2015-01-03	8108
	2015-01-04	9863
	2015-01-05	11929
	2015-01-06	14358
	2015-01-07	16560
	2015-01-08	19398
	2015-01-09	21525
	2015-01-10	23989

*Q13 DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY**

```
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 1,2 ) 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	32265.70000000065
	The Mexicana Pizza	26780.75
	The Five Cheese Pizza	26066.5