

Where Every Slice is a Taste of Perfection

WELCOME TO PIZZA HUT

with SQL

SQL
ANALYSIS



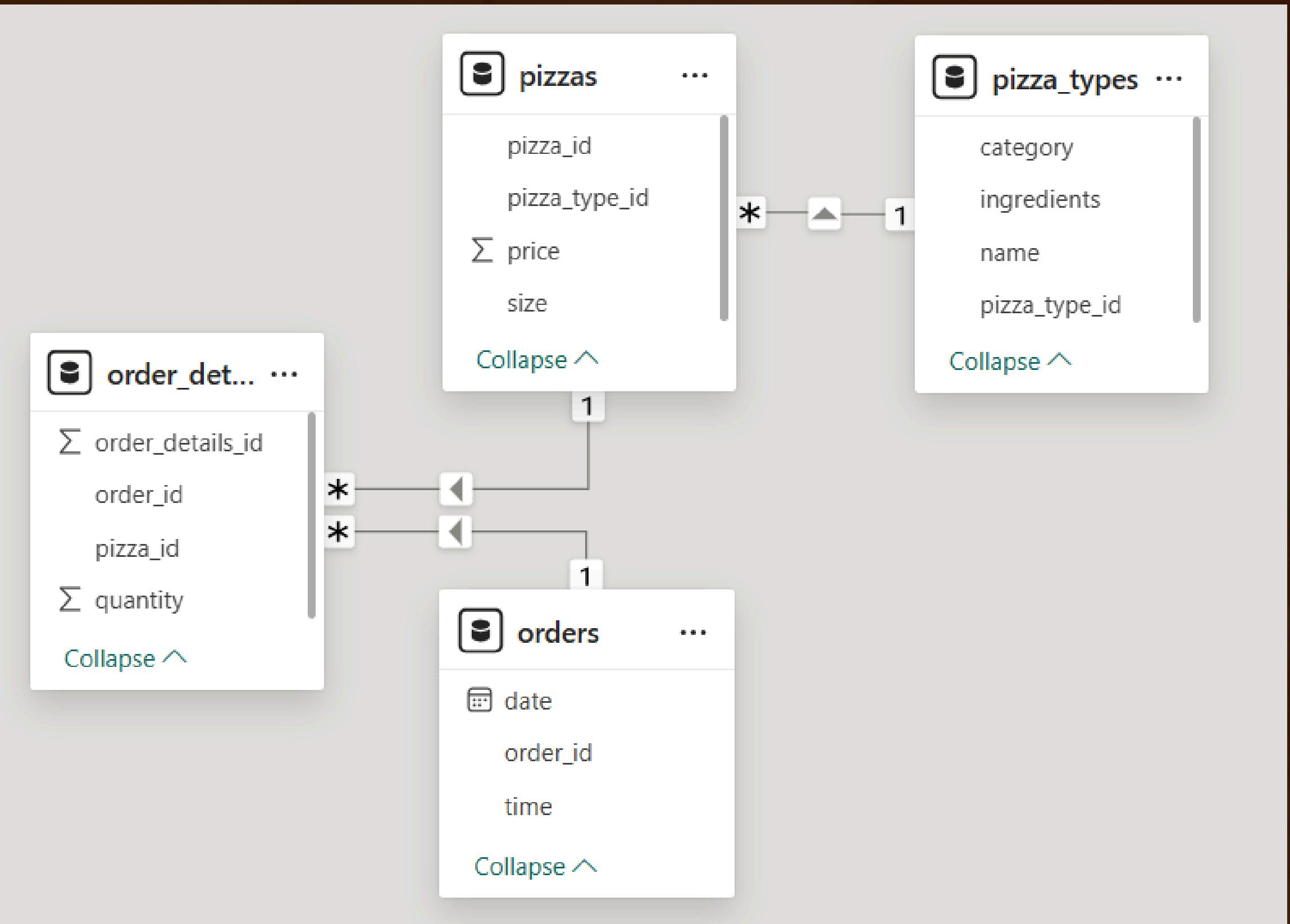
ABOUT PIZZA HUT ANALYSIS

In my analysis of Pizza Hut, I have addressed the following business inquiries:

1. Total number of orders received.
2. Total revenue generated from pizza sales.
3. Identification of the highest-priced pizza.
4. Identification of the top three most ordered pizza types based on revenue.
5. Top five most ordered pizza types, along with their respective quantities.
6. Analysis of order distribution by hour throughout the day.
7. Grouping orders by date to calculate the average number of pizzas ordered per day.



TABLE SCHEMA



TOTAL NUMBER OF ORDERS RECEIVED.



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

Result Grid

	total_orders
▶	21350





TOTAL REVENUE GENERATED FROM PIZZA SALES.

```
SELECT  
    SUM(order_details.quantity * pizzas.price) AS total_sales  
FROM  
    order_details  
    JOIN  
    pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

Result Grid

	total_sales
▶	817860.0499999993

IDENTIFICATION OF THE HIGHEST-PRICED PIZZA.

```
SELECT
    name, price
FROM
    pizza_types
    JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1;
```

| Result Grid | Filter Row

	name	price
▶	The Greek Pizza	35.95

IDENTIFICATION OF THE TOP THREE MOST ORDERED PIZZA TYPES BASED ON REVENUE.

```
SELECT name, SUM(quantity * 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 name ORDER BY revenue LIMIT 3;
```

Result Grid		Filter Rows:
	name	revenue
▶	The Brie Carre Pizza	11588.49999999999
	The Green Garden Pizza	13955.75
	The Spinach Supreme Pizza	15277.75

TOP FIVE MOST ORDERED PIZZA TYPES, ALONG WITH THEIR RESPECTIVE QUANTITIES.

```
SELECT pizza_types.name, SUM(order_details.quantity) total_quan 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 total_quan DESC LIMIT 5;
```

Result Grid | Filter Rows:

	name	total_quan
▶	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371

ANALYSIS OF ORDER DISTRIBUTION BY HOUR THROUGHOUT THE DAY.

```
SELECT  
    HOUR(order_time) AS Hours, COUNT(order_id) AS in_hours_order  
FROM  
    orders  
GROUP BY HOUR(order_time);
```

	Hours	in_hours_order
	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

GROUPING ORDERS BY DATE TO CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

```
SELECT ROUND(AVG(quant), 0) AS avg_pizzas
FROM
  (SELECT
    date, SUM(quantity) AS quant
  FROM
    orders
  JOIN order_details ON orders.order_id = order_details.order_id
  GROUP BY date) AS order_quantity;
```

Result Grid	
	avg_pizzas
▶	138

**Pizza Hut Sales Analysis
Presentation**

**THANK YOU
FOR ATTENTION**