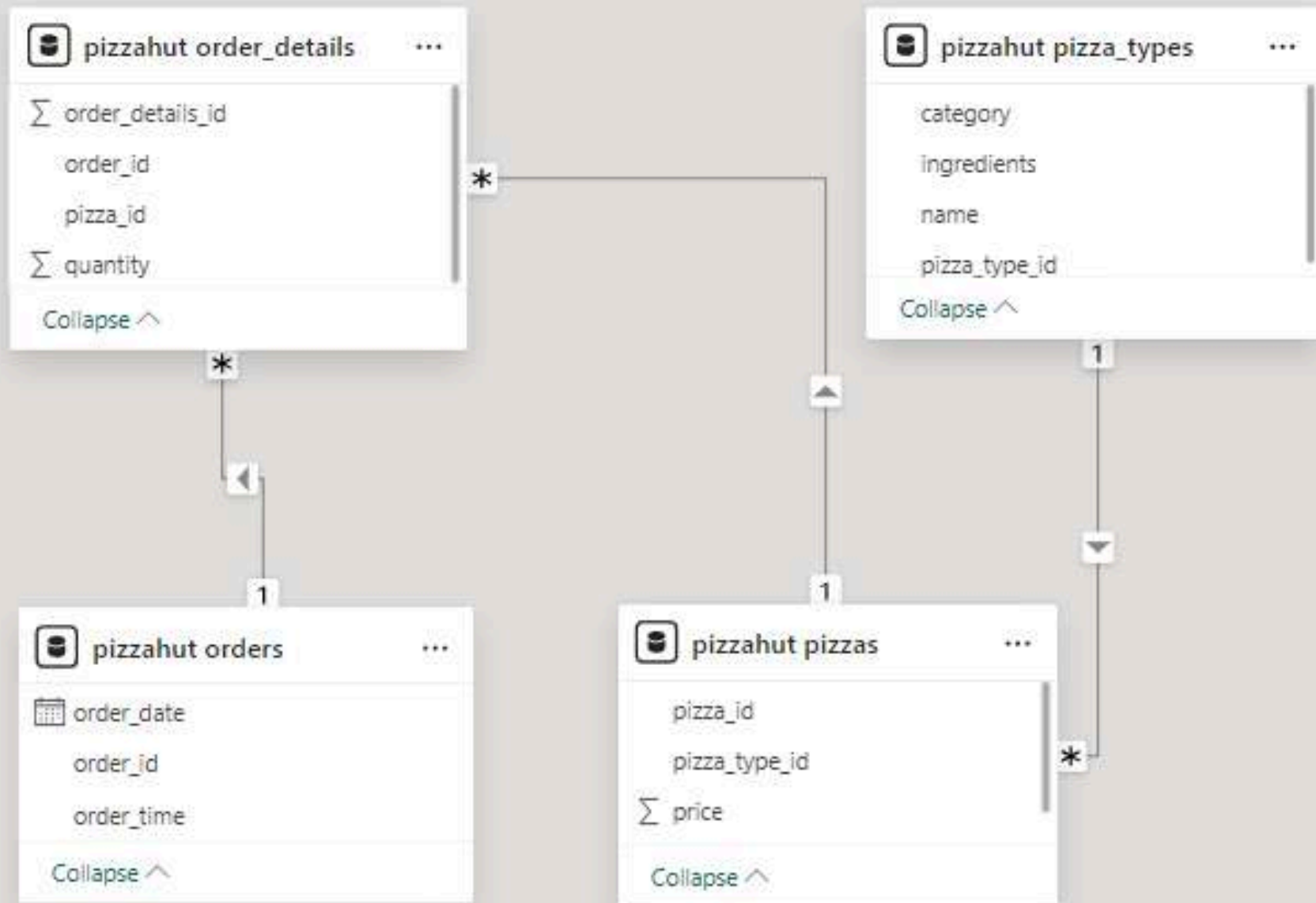


PIZZA SALES ANALYSIS

Data Model





Basic Queries



Retrieve the total number of orders placed.

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

The result shows that there are 21,350 orders placed.

Result Grid	
	total_orders
▶	21350



Calculate the total revenue generated from pizza sales.

```
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;
```

The total revenue generated from pizza sales is 817,860.05.

Result Grid		
	total_revenue	
▶	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;
```

Result Grid			Filter F
	name	price	
▶	The Greek Pizza	35.95	

Most Common Pizza Size Ordered: The Greek Pizza
(35.95)



Identify the most common pizza size ordered.

```
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
```



Result Grid			Filter
	size	order_count	
	L	18526	
	M	15385	
	S	14137	

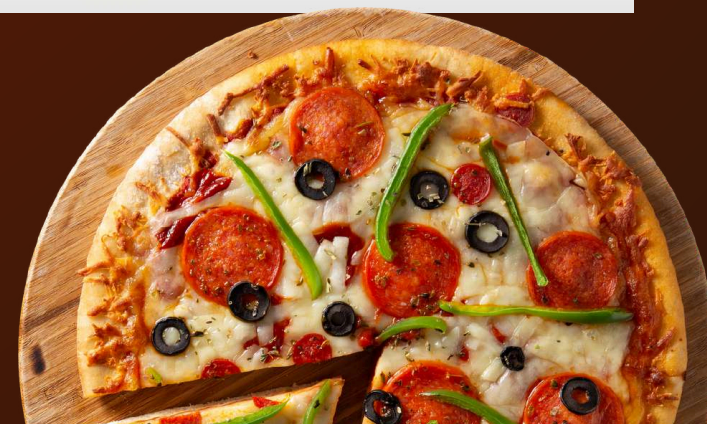
Most Common Pizza Size Ordered: Large (L) with 18,526 orders

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 pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```

The most ordered pizza types are The Classic Deluxe Pizza with 2,453 orders, followed by The Barbecue Chicken Pizza at 2,432, The Hawaiian Pizza at 2,422, The Pepperoni Pizza at 2,418, and The Thai Chicken Pizza at 2,371.

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





Intermediate Queries



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 category
ORDER BY quantity DESC;
```



The query results show the total quantities ordered for each pizza category: Classic (14,888), Supreme (11,987), Veggie (11,649), and Chicken (11,050).

Result Grid		
	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

Determine the distribution of orders by hour of the day.

```
SELECT
    HOUR(order_time) AS hour, COUNT(order_id) AS order_cout
FROM
    orders
GROUP BY hour;
```

The distribution of orders by hour of the day shows peaks at 12 PM with 2,520 orders and 5 PM with 2,336 orders, reflecting typical mealtime patterns.

Result Grid				
	hour	order_cout		
	11	1231		
	12	2520		
	13	2455		
	14	1472		
	15	1468		
	16	1920		
	17	2336		

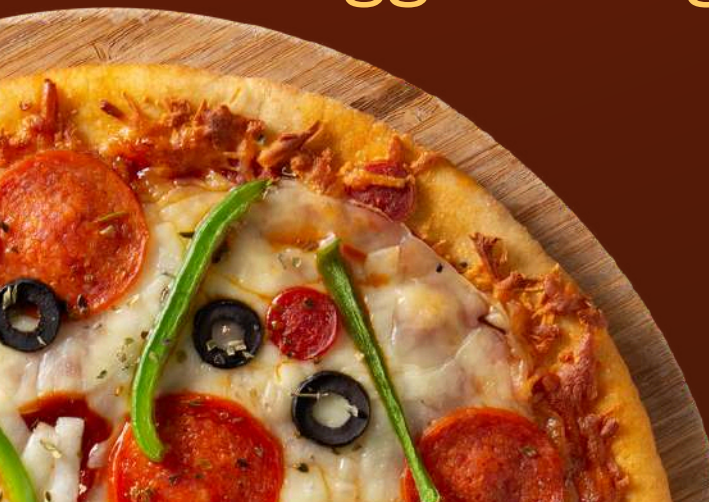


Join relevant tables to find the category-wise distribution of pizzas.

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

The distribution shows 6 pizzas in the Chicken category, 8 in Classic, and 9 each in Supreme and Veggie categories.

Result Grid			Filter
	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  
    ROUND(AVG(quantity), 0) AS avg_quantity  
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;
```

The average number of Pizza ordered is 138

Result Grid	
	avg_quantity
▶	138



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

```
SELECT
    pizza_types.name,
    ROUND(SUM(order_details.quantity * pizzas.price),
          2) AS total_revenue
FROM
    order_details
    JOIN
    pizzas ON pizzas.pizza_id = order_details.pizza_id
    JOIN
    pizza_types ON pizza_types.pizza_type_id = pizzas.pizza_type_id
GROUP BY pizza_types.name
ORDER BY total_revenue DESC
LIMIT 3;
```

The top 3 most ordered pizza types based on revenue are The Thai Chicken Pizza (43,434.25), The Barbecue Chicken Pizza (42,768), and The California Chicken Pizza (41,409.5).

Result Grid   Filter Rows: <input type="text"/>		
	name	total_revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5

