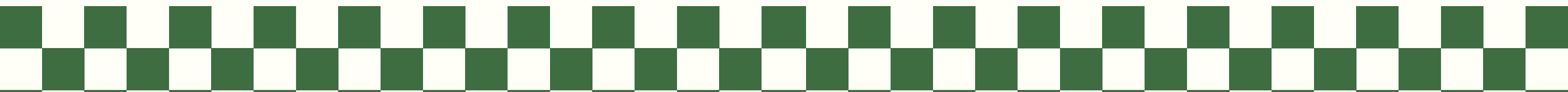




Pizza

Sales Analysis Using
SQL





PIZZA HUT



Retrieve the total number of orders placed.

```
SELECT
```

```
    COUNT(order_id) AS total_order
```

```
FROM
```

```
orders;
```

Result Grid			
	total_order		
▶	21350		



PIZZA HUT

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		Filter
	total_sales	
▶	817860.05	



PIZZA HUT

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	



PIZZA HUT

Identify the most common pizza size ordered.

```
SELECT
  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 Rows:
	size	order_count	
▶	L	18526	
	M	15385	
	S	14137	
	XL	544	
	XXL	28	



PIZZA HUT

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;
```

Result Grid			Filter Rows:
	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	



PIZZA HUT

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 pizza_types.category
ORDER BY quantity DESC;
```

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



PIZZA HUT

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 HOUR(order_time);
```

Result Grid			Filter Rows
	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	



PIZZA HUT

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	



PIZZA HUT

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

```
SELECT  
    ROUND(AVG(quantity), 0) as pizza_orders_per_day  
  
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;
```

Result Grid		Filter R
	pizza_orders_per_day	
▶	138	



PIZZA HUT

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 pizza_types.name
ORDER BY revenue DESC
LIMIT 3;
```

Result Grid			Filter Rows:
	name	revenue	
▶	The Thai Chicken Pizza	43434.25	
	The Barbecue Chicken Pizza	42768	
	The California Chicken Pizza	41409.5	



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 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 pizza_types.category
ORDER BY revenue DESC;
```

Result Grid			Filter Rows:
	category	revenue	
▶	Classic	26.91	
	Supreme	25.46	
	Chicken	23.96	
	Veggie	23.68	



Analyze the cumulative revenue generated over time.

- ```
select order_date,
sum(revenue) over(order by order_date) as cum_revenue
from
(select orders.order_date,
sum(order_details.quantity * pizzas.price) 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
group by orders.order_date) as sales limit 5;
```

| Result Grid    Filter Rows: <input type="text"/> |            |                     |
|-------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|
|                                                                                                                                     | order_date | cum_revenue         |
| ▶                                                                                                                                   | 2015-01-01 | 2713.85000000000004 |
|                                                                                                                                     | 2015-01-02 | 5445.75             |
|                                                                                                                                     | 2015-01-03 | 8108.15             |
|                                                                                                                                     | 2015-01-04 | 9863.6              |
|                                                                                                                                     | 2015-01-05 | 11929.55            |



# PIZZA HUT

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 pizza_types.category, pizza_types.name) as a) as b
 where rn <= 3;
```

| Result Grid |                              |                    | Filter Rows: |
|-------------|------------------------------|--------------------|--------------|
|             | 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        | 32265.700000000065 |              |
|             | The Mexicana Pizza           | 26780.75           |              |
|             | The Five Cheese Pizza        | 26066.5            |              |