

PIZZA HUT
SALES

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INTRODUCTION

Brief introduction to the dataset and its purpose.
Objectives of the analysis (e.g., identifying top-selling pizzas, peak sales times, customer preferences).

Let's start our adventure in the world of pizza!

Q.1 Retrieve the total number of orders placed.

Query



```
1  -- --1. Retrieve the total number of orders placed.  
2  
3  
4  • select count(order_id) as total_orders from orders;  
5
```



Result

Result Grid	
	total_orders
▶	21350



Q.2 Calculate the total revenue generated from pizza sales.

Query

```
1  -- 2. Calculate the total revenue generated from pizza sales
2
3
4  SELECT
5      ROUND(SUM(order_details.quantity * pizzas.price),
6             2) AS toal_sales
7  FROM
8      order_details
9      JOIN
10     pizzas ON pizzas.pizza_id = order_details.pizza_id
```

Result

Result Grid	
	toal_sales
▶	817860.05

Q.3 Identify the highest-priced pizza.

Query

```
1  -- 3.Identify the highest-priced pizza
2
3  •  SELECT
4      pizza_types.name, pizzas.price
5  FROM
6      pizza_types
7      JOIN
8      pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
9  ORDER BY pizzas.price DESC
10 LIMIT 1;
```

Result

Result Grid			Filter Rows
	name	price	
▶	The Greek Pizza	35.95	



Q.4 Identify the most common pizza size ordered.

Query

```
1  |-- 4.Identify the most common pizza size ordered.
2
3  •  SELECT
4      pizzas.size,
5      COUNT(order_details.order_details_id) AS order_count
6  FROM
7      pizzas
8      JOIN
9      order_details ON pizzas.pizza_id = order_details.pizza_id
10 GROUP BY pizzas.size
11 ORDER BY order_count DESC;
```

Result

Result Grid			Filter
	size	order_count	
▶	L	18526	
	M	15385	
	S	14137	
	XL	544	
	XXL	28	

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

Query

```
1  -- 5.List the top 5 most ordered pizza types along with their quantities.
2
3
4  •  SELECT
5      pizza_types.name, SUM(order_details.quantity) AS quantity
6  FROM
7      pizza_types
8      JOIN
9      pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
10     JOIN
11     order_details ON order_details.pizza_id = pizzas.pizza_id
12 GROUP BY pizza_types.name
13 ORDER BY quantity DESC
14 LIMIT 5;
```

Result

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	

Q.6 Join the necessary tables to find the total quantity of each pizza category ordered.

Query

```
1  -- 6.Join the necessary tables to find the total quantity of each pizza category ordered.
2
3  •  SELECT
4      pizza_types.category,
5      SUM(order_details.quantity) AS quantity
6  FROM
7      pizza_types
8      JOIN
9      pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
10     JOIN
11     order_details ON order_details.pizza_id = pizzas.pizza_id
12 GROUP BY pizza_types.category
13 ORDER BY quantity DESC;
```

Result

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



Q. 7 Determine the distribution of orders by hour of the day.

Query

```
1  -- 7. Determine the distribution of orders by hour of the day
2
3  •  SELECT
4      HOUR(order_time) AS hour, COUNT(order_id) AS order_count
5  FROM
6      orders
7  GROUP BY HOUR(order_time);
```

Result

Result Grid			Filter
	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	

Q.8 Join relevant tables to find the category-wise distribution of pizzas.

Query

```
1  -- 8.Join relevant tables to find the category-wise distribution of pizzas
2
3  • select category, count(name) from pizza_types
4  group by category
```

Result

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

Q.9 Group the orders by date and calculate the average number of pizzas ordered per day.

Query

```
1  -- 9.Group the orders by date and calculate the average number of pizzas ordered per day.
2
3
4  •  SELECT
5      ROUND(AVG(quantity), 0) AS avg_pizza_ordered_per_day
6  FROM
7      (SELECT
8          orders.order_date, SUM(order_details.quantity) AS quantity
9      FROM
10         orders
11      JOIN order_details ON orders.order_id = order_details.order_id
12      GROUP BY orders.order_date) AS order_quantity;
```



Result

Result Grid		Filter Rows:
	avg_pizza_ordered_per_day	
▶	138	

Q.10 Determine the top 3 most ordered pizza types based on revenue.

Query

```
1  |-- 10.Determine the top 3 most ordered pizza types based on revenue.
2
3  •  SELECT
4      pizza_types.name,
5      SUM(order_details.quantity * pizzas.price) AS revenue
6  FROM
7      pizza_types
8      JOIN
9      pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
10     JOIN
11     order_details ON order_details.pizza_id = pizzas.pizza_id
12 GROUP BY pizza_types.name
13 ORDER BY revenue DESC
14 LIMIT 3;
```



Result

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

Q.11 Calculate the percentage contribution of each pizza type to total revenue.

Query

Result



```
1  -- 11. Calculate the percentage contribution of each pizza type to total revenue
2
3  SELECT
4      pizza_types.category,
5      ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT
6          ROUND(SUM(order_details.quantity * pizzas.price),
7              2) AS total_sales
8          FROM
9              order_details
10             JOIN
11                 pizzas ON pizzas.pizza_id = order_details.pizza_id) * 100,
12          2) AS revenue
13  FROM
14      pizza_types
15      JOIN
16      pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
17      JOIN
18      order_details ON order_details.pizza_id = pizzas.pizza_id
19  GROUP BY pizza_types.category
20  ORDER BY revenue DESC;
```

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





Q.12 Analyze the cumulative revenue generated over time.

Query

```
1  -- 12.Analyze the cumulative revenue generated over time.
2
3  •  select order_date,
4     round(sum(revenue) over (order by order_date), 2) as cum_revenue
5  from
6  (select orders.order_date,
7     sum(order_details.quantity * pizzas.price) as revenue
8  from order_details join pizzas
9   on order_details.pizza_id = pizzas.pizza_id
10 join orders
11  on orders.order_id = order_details.order_id
12  group by orders.order_date) as sales;
```

Result

Result Grid   Filter Rows		
	order_date	cum_revenue
	2015-01-01	2713.85
	2015-01-02	5445.75
	2015-01-03	8108.15
	2015-01-04	9863.6
	2015-01-05	11929.55
	2015-01-06	14358.5
	2015-01-07	16560.7
	2015-01-08	19399.05
	2015-01-09	21526.4
	2015-01-10	23990.35
	2015-01-11	25862.65

Q.13 Determine the top 3 most ordered pizza types based on revenue for each pizza category.

Query

```
1  -- 13.Determine the top 3 most ordered pizza types based on revenue for each pizza category.
2
3  • select name, revenue from
4  (select category, name, revenue,
5   rank() over(partition by category order by revenue desc) as rn
6   from
7   (select pizza_types.category, pizza_types.name,
8    sum((order_details.quantity) * pizzas.price) as revenue
9    from pizza_types join pizzas
10   on pizza_types.pizza_type_id = pizzas.pizza_type_id
11   join order_details
12   on order_details.pizza_id = pizzas.pizza_id
13   group by pizza_types.category, pizza_types.name) as a) as b
14  where rn <= 3;
```

Result

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	



THANK YOU

“Have fun eating your pizza and
enjoy every bite”