

Pizza sales -SQL project



ABOUT PROJECT

The SQL-based pizza sales analysis project involves exploring and analyzing sales data for a pizza company using multiple datasets. The project covers sales trends, product performance, and customer preferences, helping the business make data-driven decisions. The datasets include:

1. Order Details (order_details.csv): This dataset contains information about each pizza sold, including the order ID, pizza type, and quantity.
 - Key Columns: order_id, pizza_id, quantity.
2. Orders (orders.csv): This dataset provides details about each order, including the order's timestamp.
 - Key Columns: order_id, date, time.
3. Pizza Types (pizza_types.csv): This dataset describes the pizza types, categories (e.g., Chicken, Veggie), and ingredients.
 - Key Columns: pizza_type_id, name, category, ingredients.
4. Pizzas (pizzas.csv): This dataset connects pizza types with their sizes and prices.
 - Key Columns: pizza_id, pizza_type_id, size, price.

what kind of questions we can expect from the data set

Retrieve the total number of orders placed.

Calculate the total revenue generated from pizza sales.

Identify the highest-priced pizza.

Identify the most common pizza size ordered.

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

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

Determine the distribution of orders by hour of the day.





Retrieve the total number of orders placed.

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

output
total_ordes
16328



Calculate the total revenue generated from pizza sales.

```
SELECT  
    ROUND(SUM(pizzas.price * orders_details.quantity),  
        2) AS total_sales  
FROM  
    pizzas  
    JOIN  
    orders_details ON pizzas.pizza_id = orders_details.pizza_id;
```



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;
```



Identify the most common pizza size ordered.

```
SELECT
    pizzas.size, COUNT(orders_details.order_details_id) as order_count
FROM
    pizzas
        JOIN
    orders_details ON pizzas.pizza_id = orders_details.pizza_id
group by pizzas.size
order by order_count desc limit 1;
```

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

```
SELECT
    pizza_types.name, SUM(orders_details.quantity) AS quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_details ON orders_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```

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

```
SELECT
    pizza_types.category, SUM(orders_details.quantity) AS quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_details ON orders_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY quantity DESC
LIMIT 5;
```

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 BY order_count DESC;
```



BORCELLE
RESTAURANT

THANK YOU

