SWIGGY

India’s Largest Food Delivering APP

ADVANCE SQL PROJECT

Presented by : Kinjan chauhan

"Swiggy karo, phir jo chahe Karo!"

ABOUT SWWIGY

Swiggy is an Indian online food ordering and delivery company. Founded in 2014, Swiggy is headquartered in Bangalore and operates in more than 580 Indian cities, as of July 2023. Besides food delivery, the platform also provides quick commerce services under the name Swiggy Instamart, and same-day package deliveries with Swiggy Genie.

PROJECT DESCRIPTION

Swiggy seeks insights from its SQL dataset. Implement sophisticated SQL queries with intricate joins for in-depth analysis and strategic decision-making.

Developed and analyzed the Swiggy customer database to provide actionable insights for operational improvements and business growth. Designed the database schema for customer information, ensuring robust data integrity and usability. Conducted analysis to identify customer demographics, data trends, and gaps in data completeness. Delivered recommendations for targeted marketing, delivery optimization, and potential areas for database enhancement.

SWIGGY

SQL QUERIES USED FOR ANALYSIS

Display all customers who live in 'Delhi'.


```sql
SELECT
    customer_id, name
FROM
    customers
WHERE
    city = 'Delhi';
```

Find the average rating of all restaurants in 'Mumbai'.


```sql
SELECT
    restaurant_id, name, city, AVG(rating)
FROM
    restaurants
WHERE
    city = 'Mumbai'
GROUP BY restaurant_id , name , city;
```

List all customers who have placed at least one order.


```sql
SELECT DISTINCT
    cu.customer_id, cu.name
FROM
    customers AS cu
        JOIN
    orders AS o ON cu.customer_id = o.customer_id;
```

Display the total number of orders placed by each customer.


```sql
SELECT
    cu.customer_id, cu.name, COUNT(o.order_id) AS total_orders
FROM
    customers AS cu
        LEFT JOIN
    orders AS o ON cu.customer_id = o.customer_id
GROUP BY cu.customer_id , cu.name;
```

Find the total revenue generated by each restaurant.


```sql
SELECT
    o.restaurant_id,
    res.name,
    COALESCE(SUM(total_amount), 0) AS revenue
FROM
    restaurants AS res
        LEFT JOIN
    orders AS o ON o.restaurant_id = res.restaurant_id
GROUP BY o.restaurant_id , res.name;
```

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Find the top 5 restaurants with the highest average rating.


```sql
SELECT
    restaurant_id, name, ROUND(AVG(rating), 2) AS avg_rating
FROM
    restaurants
GROUP BY restaurant_id , name
ORDER BY avg_rating DESC
LIMIT 5;
```

Display all customers who have never placed an order.


```sql
SELECT
    cu.customer_id, cu.name, o.order_id
FROM
    customers AS cu
        LEFT JOIN
    orders AS o ON cu.customer_id = o.customer_id
WHERE
    o.order_id IS NULL;
```

Find the number of orders placed by each customer in 'Mumbai'.


```sql
SELECT
    cu.customer_id, cu.name,cu.city, COUNT(o.order_id) AS total_orders
FROM
    customers AS cu
        LEFT JOIN
    orders AS o ON cu.customer_id = o.customer_id
WHERE
    cu.city = 'Mumbai'
GROUP BY cu.customer_id, cu.name,cu.city;
```

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Display all orders placed in the last 30 days.


```sql
SELECT
    *
FROM
    orders
WHERE
    order_date >= CURRENT_DATE() - INTERVAL 30 DAY;
```

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List all delivery partners who have completed more than 1 delivery.


```sql
SELECT
    dp.partner_id, dp.name, COUNT(od.order_id) AS total_orders
FROM
    deliverypartners AS dp
        JOIN
    orderdelivery AS od ON dp.partner_id = od.partner_id
        JOIN
    deliveryupdates as du ON od.order_id = du.order_id
WHERE
    du.status = 'delivered'
GROUP BY dp.partner_id , dp.name
HAVING total_orders > 1
ORDER BY partner_id;
```

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Find the customers who have placed orders on exactly three different days.


```sql
SELECT DISTINCT
    COUNT(o.order_date) AS total_order_date,
    cu.customer_id,
    cu.name
FROM
    customers AS cu
        JOIN
    orders AS o ON cu.customer_id = o.customer_id
GROUP BY cu.customer_id , cu.name
HAVING total_order_date = 3;
```

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Find the delivery partner who has worked with the most different customers.


```sql
SELECT DISTINCT
    COUNT(orders.customer_id) AS total_customers,
    dp.partner_id,
    dp.name
FROM
    deliverypartners AS dp
        JOIN
    orderdelivery AS od ON dp.partner_id = od.partner_id
        JOIN
    orders ON od.order_id = orders.order_id
GROUP BY dp.partner_id , dp.name
ORDER BY total_customers DESC
LIMIT 1;
```

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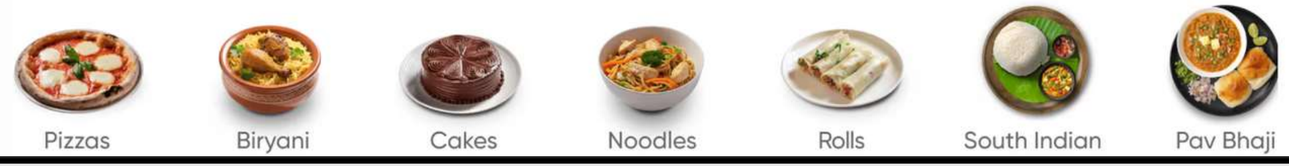
Identify customers who have the same city and have placed orders at the same restaurants, but on different dates.




```sql
select c1.name as customer1_name, c2.name as customer2_name ,
c1.city as customer1_city, c2.city as customer2_city,
o1.order_date as customer1_orderdate, o2.order_date as customer2_orderdate,
res.name
from orders as o1
join orders as o2
on o1.restaurant_id = o2.restaurant_id
and o1.order_date <> o2.order_date
join customers as c1
on o1.customer_id = c1.customer_id
join customers as c2
on o2.customer_id = c2.customer_id
and c1.city = c2.city
and c1.customer_id <> c2.customer_id
join restaurants as res
```

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THANK YOU

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