Case Study: Swiggy

Analytics Report on Customers, Restaurant and delivery

Sharad Mittal • 23.08.2025

SWIGGY

Customer Insights

Display all customers who live in 'Delhi'.

```sql
SELECT
    *
FROM
    swiggydb.customers
WHERE
    city = 'Delhi';
```

SWIGGY

Restaurant Avg Rating

Find the average rating of all restaurants in 'Mumbai'

```sql
SELECT
    AVG(rating) AS avg_rating
FROM
    restaurants
WHERE
    city = 'Mumbai';
```

SWIGGY

Active Customer's Count

List all customers who have placed at least one order

```
SELECT DISTINCT
    customer_id, name
FROM
    customers
WHERE
    customer_id IN (SELECT
            customer_id
        FROM
            orders);
```

SWIGGY

Total Orders Placed by Each Customer

Display the total number of orders placed by each customer.

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

SWIGGY

Total Revenue Generated by Each Restaurant

Total Revenue Generated by Each Restaurant

```sql
SELECT
    restaurants.restaurant_id,
    COALESCE(SUM(orders.total_amount), 0) AS total_revenue
FROM
    restaurants
        LEFT JOIN
    orders USING (restaurant_id)
GROUP BY restaurants.restaurant_id;
```

SWIGGY

Best Rated Restaurants

Find the top 5 restaurants with the highest average rating.

```
SELECT
    restaurant_id, name, rating
FROM
    restaurants
ORDER BY rating DESC
LIMIT 5;
```

SWIGGY

Inactive Customers

Display all customers who have never placed an order.

```
SELECT
    customer_id, name
FROM
    customers
WHERE
    customer_id NOT IN (SELECT
            customer_id
        FROM
            orders);
```

SWIGGY

Customer Orders in Mumbai

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

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

SWIGGY

Monthly Order Summary

Display all orders placed in the last 30 days.

```sql
SELECT
    orders.order_id, orders.customer_id
FROM
    orders
WHERE
    order_date = CURDATE() - INTERVAL 30 DAY
        AND CURDATE();
```

SWIGGY

Frequent Delivery Partners

List all delivery partners who have completed more than 1 delivery

```sql
SELECT
    orderdelivery.partner_id,
    deliverypartners.name,
    COUNT(orderdelivery.order_id) AS no_delivery
FROM
    orderdelivery
        LEFT JOIN
    deliverypartners USING (partner_id)
GROUP BY orderdelivery.partner_id , deliverypartners.name
HAVING COUNT(orderdelivery.order_id) > 1
ORDER BY COUNT(orderdelivery.order_id) DESC;
```

SWIGGY

Customers Ordering on Three Distinct Days

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

```
SELECT
    customers.customer_id, customers.name
FROM
    customers
        JOIN
    orders USING (customer_id)
GROUP BY customers.customer_id
HAVING COUNT(DISTINCT orders.order_date) = 3;
```

SWIGGY

Top Delivery Partner by Customer Reach

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

```sql
SELECT
    orderdelivery.partner_id,
    deliverypartners.name,
    COUNT(DISTINCT orders.customer_id) AS distinct_customers
FROM
    orderdelivery
        JOIN
    orders USING (order_id)
        JOIN
    deliverypartners USING (partner_id)
GROUP BY orderdelivery.partner_id
ORDER BY COUNT(DISTINCT orders.customer_id) DESC;
```

SWIGGY

Customer Overlap by City and Restaurant (Different Dates)

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

```
SELECT
    c1.customer_id AS customer1, c2.customer_id AS customer2,c1.city,
    o1.restaurant_id, o1.order_date AS customer1_orderdate,
    o2.order_date AS customer2_orderdate
FROM customers c1 JOIN orders o1 ON c1.customer_id = o1.customer_id
JOIN customers c2 ON c1.city = c2.city
AND c1.customer_id < c2.customer_id JOIN
orders o2 ON c2.customer_id = o2.customer_id
WHERE
    o1.restaurant_id = o2.restaurant_id
        AND o1.order_date <> o2.order_date;
```

SWIGGY

THANK YOU

SHARAD MITTAL