



# Swiggy in-depth Analysis using MySql

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# INTRODUCTION

- Welcome to our analysis of Swiggy's SQL dataset, where we dive into the intricacies of customer behavior, restaurant performance, and delivery logistics.
- This presentation will showcase how sophisticated SQL queries can unlock valuable insights, enabling data-driven decision-making for enhanced customer satisfaction and operational efficiency.
- We will explore various facets of the dataset, ranging from customer demographics and order history to restaurant ratings and revenue generation.
- Through this analysis, we aim to provide actionable recommendations that can help Swiggy optimize its services and deliver an exceptional user experience.

- Display all customers who live in 'Delhi'.

```
1  SELECT
2      *
3  FROM
4      customers
5 WHERE
6      city = 'Delhi';
7
8
9
```

SWIGGY

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

```
1  SELECT  
2      city, AVG(rating)  
3  FROM  
4  restaurants  
5 WHERE  
6      city = 'mumbai'  
7 GROUP BY city ;  
8  
9
```

SWIGGY

- List all customers who have placed at least one order.

```
1  SELECT DISTINCT  
2      customers.name  
3  FROM  
4      customers  
5      INNER JOIN  
6      orders ON customers.customer_id = orders.customer_id;  
7  
8  
9
```

SWIGGY

- Display the total number of orders placed by each customer.

```
1  SELECT  
2      customers.name, COUNT(orders.order_id) as total_orders  
3  FROM  
4      customers  
5      LEFT JOIN  
6      orders ON customers.customer_id = orders.customer_id  
7  GROUP BY customers.name;  
8  
9
```

SWIGGY

- Find the total revenue generated by each restaurant.

```
1  SELECT
2      restaurants.name, sum(orders.total_amount)
3  FROM
4      restaurants
5          LEFT JOIN
6      orders ON orders.restaurant_id = restaurants.restaurant_id
7  GROUP BY restaurants.name;
8
9
```

SWIGGY

- Find the top 5 restaurants with the highest average rating.

```
1  SELECT
2      name, rating
3  FROM
4      restaurants
5  ORDER BY rating DESC
6  LIMIT 5;
```

SWIGGY

- Display all customers who have never placed an order.

```
1  SELECT DISTINCT  
2      customers.name  
3  FROM  
4      customers  
5      LEFT JOIN  
6      orders ON customers.customer_id = orders.customer_id  
7  WHERE  
8      orders.order_id IS NULL;  
9  
--
```

SWIGGY

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

```
1  SELECT  
2      customers.name, COUNT(orders.order_id)  
3  FROM  
4      customers  
5          LEFT JOIN  
6      orders ON customers.customer_id = orders.customer_id  
7  WHERE  
8      customers.city = 'mumbai'  
9  GROUP BY customers.name;  
10
```

SWIGGY

- Display all orders placed in the last 30 days.

```
1  SELECT
2    *
3  FROM
4    orders
5 WHERE
6    order_date >= DATE_SUB(CURDATE(), INTERVAL 30 DAY);
7
8
```

SWIGGY

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

```
1 •  SELECT
2      deliverypartners.name, COUNT(orderdelivery.order_id)
3  FROM
4      deliverypartners
5      JOIN
6          orderdelivery ON deliverypartners.partner_id = orderdelivery.partner_id
7      JOIN
8          deliveryupdates ON deliveryupdates.order_id = orderdelivery.order_id
9  WHERE
10     deliveryupdates.status <> 'failed'
11  GROUP BY deliverypartners.name
12  HAVING COUNT(orderdelivery.order_id) > 1;
```

SWIGGY

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

```
1  SELECT  
2      customers.name  
3  FROM  
4      customers  
5      JOIN  
6      orders ON customers.customer_id = orders.customer_id  
7  GROUP BY customers.name  
8  HAVING COUNT(DISTINCT orders.order_date) = 3 ;  
9
```

SWIGGY

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

```
1 •  SELECT
2      deliverypartners.partner_id,
3      deliverypartners.name,
4      COUNT(DISTINCT orders.customer_id) diff_customers
5  FROM
6      deliverypartners
7      JOIN
8          orderdelivery ON deliverypartners.partner_id = orderdelivery.partner_id
9      JOIN
10         orders ON orderdelivery.order_id = orders.order_id
11     GROUP BY deliverypartners.partner_id , deliverypartners.name
12     ORDER BY diff_customers DESC
13     LIMIT 1;
14
```

SWIGGY

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

```
1 • select distinct c1.name as customer1, c2.name as customer2, c1.city, r.name as restuarant,  
2     o1.order_date as order_date1,o2.order_date as order_date2  
3     from customers c1  
4     join orders o1 on c1.customer_id = o1.customer_id  
5     join orders o2 on o1.restaurant_id = o1.restaurant_id  
6     join customers c2 on c1.city = c2.city  
7     and c1.customer_id <> c2.customer_id  
8     and o2.customer_id = c2.customer_id  
9     join restaurants r on o1.restaurant_id = r.restaurant_id  
10    where o1.order_date <> o2.order_date  
11    order by c1.city, r.name, o1.order_date ;  
12
```

SWIGGY

# THANK YOU



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