# Swiggy Food Restaurant Analysis Using SQL

**BY**

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# Dataset Overview

1. **restaurant_no:** Unique identifier for the restaurant.

2. **restaurant_name:** Name of the restaurant.

3. **city:** City where the restaurant is located.

4. **address:** Detailed address of the restaurant.

5. **rating:** Customer rating of the restaurant.

6. **cost_per_person:** Average cost per person.

7. **cuisine:** Types of cuisine offered.

8. **restaurant_link:** URL link to the restaurant's page on Swiggy.

9. **menu_category:** Category of the menu item (e.g., Accompaniments, Indian Breads, Main Course, Salads).

10. **item:** Name of the menu item.

11. **price:** Price of the menu item (in INR).

12. **veg_or_non-veg:** Indicates whether the item is vegetarian or non-vegetarian.

# Dataset Overview

| restaurant_name | city | address | rating | cost_per_person | cuisine | restaurant_link | menu_category | item | price | veg_or_non_veg |
|---|---|---|---|---|---|---|---|---|---|---|
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Accompaniments | Roasted Papad | 35 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Accompaniments | Fried Papad | 40 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Tandoori Roti (1 Pc) | 45 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Butter Roti | 50 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Plain Kulcha (1 Pc) | 50 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Main Course | Boiled Egg | 55 | Non-veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Salads | Cucumber Salad | 55 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Plain Methi Roti | 55 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Plain Kasta Roti | 55 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Butter Kulcha | 55 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Pudina Paratha | 55 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Plain Garlic Roti (1 Pc) | 55 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Paratha (1 Pc) | 55 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Accompaniments | Plain Curd | 55 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Plain Naan | 60 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Salads | Green Salad | 65 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Salads | Kachumber Salad | 65 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Butter Naan (1 Pc) | 65 | Veg |
| Tandoor Hut | Bangalore | Tandoor Hut, 477, KHB Colony, 5th Block, Kora... | 4.3 | 300 | Biryani,Chinese | https://www.swiggy.com/restaurants/tandoor-... | Indian Breads | Garlic Naan (1 Pc) | 70 | Veg |

# Problem Statement

1. **Objective**: Analyze restaurant data from Swiggy to gain insights into food preferences, pricing trends, and customer satisfaction.

2. **Data Analysis Goals**:

- Identify patterns in restaurant performance.

- Determine popular menu items and their impact on sales.

- Analyze factors influencing customer reviews and ratings.

3. **Outcome**: Provide actionable insights to help restaurants make data-driven decisions to improve their offerings and enhance customer experience.

# Analysis

```
4   •   select restaurant_name,count(distinct restaurant_name) from swiggy
5       where rating > 4.5
6       group by restaurant_name;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

| restaurant_name | count(distinct restaurant_name) |
| --- | --- |
| Apsara Ice Creams | 1 |
| Baskin Robbins | 1 |
| Bombay Kulfis | 1 |
| Chaska Bun | 1 |
| Corner House Ice Cream | 1 |
| Fit O'Clock | 1 |
| Havmor Havfunn ice cream | 1 |
| Juice Junction | 1 |
| Krispy Kreme | 1 |
| Makers of Milkshakes | 1 |
| Masala Chai | 1 |
| Natural Ice Cream | 1 |
| Zen Cafe | 1 |

## Q2. WHICH IS THE TOP 1 CITY WITH THE HIGHEST NUMBER OF RESTAURANTS?

```sql
12 •  select city, count(distinct restaurant_name) as restaurant
13     from swiggy
14     group by city
15     order by restaurant desc
16     limit 1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ⊺A

| city | restaurant |
|------|-----------|
| Bangalore | 196 |

## Q3. HOW MANY RESTAURANTS HAVE THE WORD "PIZZA" IN THEIR NAME?

```sql
21 •  select count(restaurant_name) from swiggy
22     where restaurant_name like "%Pizza%";
```

Result Grid | Filter Rows: | Export:

| count(restaurant_name) |
|-----------------------|
| 2218 |

```
27 •   select cuisine,count(*) as count_cuisine
28     from swiggy
29     group by cuisine
30     order by count_cuisine desc
31     limit 1;
```

Result Grid | Filter Rows: | Export: | W

| cuisine | count_cuisine |
|---|---|
| North Indian,Chinese | 3098 |

## Q5. WHAT IS THE AVERAGE RATING OF RESTAURANTS IN EACH CITY?

```
37 •   select city, avg(rating) as average_rating
38     from swiggy group by city;
```

Result Grid | Filter Rows: | Export: | Wr

| city | average_rating |
|---|---|
| Bangalore | 4.115101875434145 |
| Ahmedabad | 4.06862643752415 |

```sql
44  select restaurant_name,menu_category,max(price) as highest_price
45  from swiggy
46  where menu_category = "recommended"
47  group by restaurant_name,menu_category
48  order by highest_price desc;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ȚA

| restaurant_name | menu_category | highest_price |
|---|---|---|
| Mani's Dum Biryani | Recommended | 2599 |
| Behrouz Biryani | Recommended | 2499 |
| Oven Story Pizza | Recommended | 2499 |
| Social | Recommended | 2250 |
| Huber & Holly | Recommended | 2099 |

```sql
53
54  select distinct restaurant_name,cost_per_person
55  from swiggy where cuisine<>'Indian'
56  order by cost_per_person desc
57  limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Cont

| restaurant_name | cost_per_person |
|---|---|
| China Pearl | 1100 |
| Anupam's Coast II Coast | 1000 |
| Chinita Real Mexican Food | 1000 |
| Once Upon A Flame | 1000 |
| Parika | 1000 |

```
62
63  ●   select distinct restaurant_name,cost_per_person
64      from swiggy where cost_per_person>(select avg(cost_per_person) from swiggy);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝐈𝐀

| restaurant_name | cost_per_person |
| --- | --- |
| Anjappar | 600 |

```
70  ●   select distinct t1.restaurant_name,t1.city,t2.city
71      from swiggy t1 join swiggy t2
72      on t1.restaurant_name=t2.restaurant_name and
73      t1.city<>t2.city;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Conte

| restaurant_name | city | city |
| --- | --- | --- |
| Subway | Bangalore | Ahmedabad |
| Sweet Truth - Cake and Desserts | Ahmedabad | Bangalore |
| Sweet Truth - Cake and Desserts | Bangalore | Ahmedabad |
| Pizza Hut | Ahmedabad | Bangalore |
| Pizza Hut | Bangalore | Ahmedabad |
| KFC | Ahmedabad | Bangalore |
| KFC | Bangalore | Ahmedabad |
| Mainland China | Ahmedabad | Bangalore |
| Mainland China | Bangalore | Ahmedabad |

```
79   select distinct restaurant_name,menu_category
80   ,count(item) as no_of_items from swiggy
81   where menu_category='Main Course'
82   group by restaurant_name,menu_category
83   order by no_of_items desc limit 1;
```

Result Grid | Filter Rows: | Export: | Wrap C

| restaurant_name | menu_category | no_of_items |
|---|---|---|
| Spice Up | Main Course | 172 |

```
88   SELECT restaurant_name
89   FROM swiggy
90   WHERE veg_or_non_veg = 'Veg'
91   GROUP BY restaurant_name
92   ORDER BY restaurant_name ASC;
93   -- answer. a lot of RESTAURANTS THAT ARE 100% VEGEATARIAN IN ALPHABETICAL ORDER OF RESTAURANT NAME.
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 

| restaurant_name |
|---|
| 1944 - The Hocco Kitchen |
| 1944 The Hocco Kitchen |
| 1947 Restaurant |
| 24th Main |
| 9834 The Fruit Truck |
| A2B Veg |

```
97 ●  select distinct restaurant_name,
98     avg(price) as average_price
99     from swiggy group by restaurant_name
100    order by average_price limit 1;
```

Result Grid | Filter Rows: | Export: |

| restaurant_name | average_price |
|-----------------|---------------|
| Urban Kitli | 62.1705 |

```
106 ●  select distinct restaurant_name,
107    count(distinct menu_category) as no_of_categories
108    from swiggy
109    group by restaurant_name
110    order by no_of_categories desc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| restaurant_name | no_of_categories |
|--------------------|------------------|
| Imperial Restaurant | 39 |
| Asha Sweet Center | 37 |
| Udupi Palace | 30 |
| Hotel Empire | 30 |
| Bangaliana | 27 |

```sql
116  select distinct restaurant_name,
117  (count(case when veg_or_non_veg='Non-veg' then 1 end)*100
118  /count(*)) as nonvegetarian_percentage
119  from swiggy
120  group by restaurant_name
121  order by nonvegetarian_percentage desc limit 1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 

| restaurant_name | nonvegetarian_percentage |
| --- | --- |
| Donne Biryani House | 100.0000 |

# Thank you