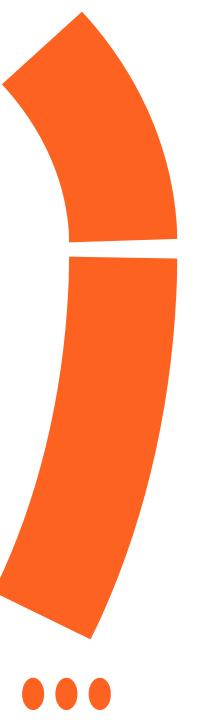




- ❖ Find the best and most popular restaurants.
- Check which areas and cities have better restaurant ratings.
- ❖ See if expensive food means better ratings.
- Discover the most common and best-rated cuisines.
- Understand delivery time patterns.
- Catch any mistakes or strange values in the data.





- 1. Highest Average Ratings
- 2. Most Total Ratings
- 3.Distribution of Delivery Times
- 4. Average Delivery Time per Area
- 5. Best-Rated Cities
- 6. Relationship Between Price and Rating
- 7. High Ratings, Low Price (Value-for-Money)
- 8.Price by Area or Food Type
- 9. Most Common Food Types (split needed if multiple types in one string)
- 10. Highest Average Ratings by Cuisine
- 11. Do Certain Cuisines Have Longer Delivery?
- 12. Specialized Cuisine Restaurants (1-2 food types only)
- 13. Best-Rated Areas
- 14. Highest Average Prices by Area
- 15. Duplicate Restaurant Names
- 16.Outliers in Price
- 17. Outliers in Delivery Time
- 18. Suspicious Entries (Price = 0 or Ratings = 0)

Data analysis

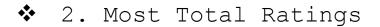


## ❖ 1.Highest Average Ratings

select Restaurant, `Avg ratings` from swiggy
order by `Avg ratings` desc limit 10 ;

|             | Restaurant                           | Avg<br>ratings |
|-------------|--------------------------------------|----------------|
| <b>&gt;</b> | Nivala Apka Apna                     | 5              |
|             | Splurge - Thickshakes And Milkshakes | 5              |
|             | Zorro - Milkshakes And Thickshakes   | 5              |
|             | Get In My Belly                      | 5              |
|             | The Asian Pavilion                   | 5              |
|             | Cafe Kokomo                          | 5              |
|             | Wallonia Waffle Co.                  | 5              |
|             | Creams & Bites                       | 5              |
|             | Keventers Ice Creamery               | 5 5            |
|             | Afresh                               | 5              |





select Restaurant , `Total ratings` from swiggy
order by `Total ratings` desc limit 10;

|   | Restaurant                    | Total<br>ratings |
|---|-------------------------------|------------------|
| ▶ | Shah Ghouse Cafe & Restaurant | 10000            |
|   | Bawarchi                      | 10000            |
|   | Mehfil                        | 10000            |
|   | Grand Hotel                   | 10000            |
|   | 4M Biryani House              | 10000            |
|   | Lucky Restaurant              | 10000            |
|   | Cafe 555 & Ageeg Restaurant   | 5000             |
|   | Abar Khaboo                   | 5000             |
|   | Sarvi Restaurant              | 5000             |
|   | Gulab Wala                    | 5000             |





❖ 3.Distribution of Delivery Times

|   | Delivery<br>time | frequency |
|---|------------------|-----------|
| • | Delivery time    | 8680      |





select Area,round(avg(`Delivery time`),2) as
avg\_delivery\_time from swiggy group by Area order by
avg\_delivery\_time desc limit 10;

|             | Area                                | avg_delivery_time |
|-------------|-------------------------------------|-------------------|
| <b>&gt;</b> | Rabindrapally                       | 97.00             |
|             | Santoshpur                          | 92.00             |
|             | Haltu                               | 91.00             |
|             | Tollygunge                          | 90.70             |
|             | Smarpally Kestopur                  | 90.00             |
|             | Behala                              | 89.75             |
|             | Baguihati                           | 88.40             |
|             | Near Lal Gate Ramlal Bazarsapuipara | 88.00             |
|             | Baguiati                            | 87.50             |
|             | Rajarhat                            | 87.00             |





#### ❖ 5. Best-Rated Cities

|          | City      | avg_city_ratings |
|----------|-----------|------------------|
| <b>)</b> | Hyderabad | 307.23           |
|          | Kolkata   | 163.30           |
|          | Chennai   | 161.72           |
|          | Bangalore | 148.52           |
|          | Delhi     | 133.26           |
|          | Mumbai    | 118.21           |
|          | Surat     | 117.81           |
|          | Pune      | 112.83           |
|          | Ahmedabad | 103.86           |

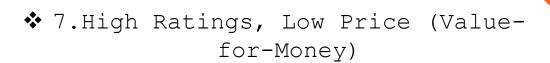




❖ 6. Relationship Between Price and Rating

|             | Price | Avg<br>ratings |
|-------------|-------|----------------|
| <b>&gt;</b> | 300   | 4.4            |
|             | 300   | 4.1            |
|             | 650   | 4.4            |
|             | 250   | 3.9            |
|             | 350   | 4              |
|             | 800   | 4.5            |
|             | 1000  | 4.5            |
|             | 150   | 4.3            |
|             | 350   | 4.1            |
|             | 300   | 4              |





|          | Restaurant                | price | Avg<br>ratings |
|----------|---------------------------|-------|----------------|
| <b>)</b> | Comfy Restaurant          | 0     | 4              |
|          | Maruti Dhosa Hub          | 0     | 4.1            |
|          | 230 Celsius               | 1     | 4.1            |
|          | Kota Kachori And Falahaar | 15    | 4.1            |
|          | Green Mango Juice Shop    | 30    | 4.2            |
|          | Deepak Farsan Mart        | 40    | 4.4            |
|          | Sai Ganesh Tiffins        | 50    | 4              |
|          | Cane Fresh                | 50    | 4.4            |
|          | Taiyar Pan Center         | 50    | 4.6            |
|          | Meghana Tiffin Center     | 50    | 4.3            |





❖ 8.Price by Area or Food Type

select Area,avg(Price) as price\_Area from swiggy
group by Area order by price\_Area desc limit 5;

|   | Area                        | price_Area |
|---|-----------------------------|------------|
| • | Vile Parle                  | 1500       |
|   | Pacific Mall Subhash Nagar  | 1200       |
|   | Someshwarpura               | 1200       |
|   | Brigade Road                | 1100       |
|   | Central Market Punjabi Bagh | 1050       |



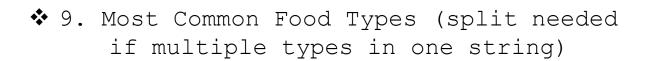


❖ 8.Price by Area or Food Type

select "Food Type", round( avg(Price), 2) as avg\_price
from swiggy group by "Food type" order by avg\_price
desc limit 5;

|             | Food<br>Type | avg_price |
|-------------|--------------|-----------|
| <b>&gt;</b> | Food Type    | 348.44    |





|   | Food type             | count |
|---|-----------------------|-------|
| • | Indian                | 389   |
|   | Chinese               | 277   |
|   | North Indian          | 246   |
|   | Fast Food             | 240   |
|   | South Indian          | 228   |
|   | Indian, Chinese       | 106   |
|   | Desserts              | 106   |
|   | North Indian, Chinese | 99    |
|   | Bakery                | 90    |
|   | Beverages             | 82    |





◆ 10. Highest Average Ratings by Cuisine

|   | Restaurant                            | avg_ratings | num_restaurant |
|---|---------------------------------------|-------------|----------------|
| • | Natural Ice Cream                     | 4.6         | 9              |
|   | Nic Natural Ice Creams                | 4.59        | 10             |
|   | Theobroma                             | 4.56        | 5              |
|   | The Sugar Free Keto Kafe - By Artinci | 4.56        | 5              |
|   | Artinci - Indulge Guilt Free!         | 4.5         | 5              |
|   | Apsara Ice Creams                     | 4.47        | 6              |
|   | Sri Krishna Sweets                    | 4.45        | 4              |
|   | The Belgian Waffle Co.                | 4.43        | 6              |
|   | Asia Kitchen By Mainland China        | 4.4         | 5              |
|   | Mainland China                        | 4.37        | 6              |





❖ 11. Do Certain Cuisines Have Longer Delivery

|          | Restaurant                     | avg_deliver_time |
|----------|--------------------------------|------------------|
| <b>)</b> | Heavens Kitchen                | 109.00           |
|          | Yin Yang - Pan Asian Delicacy  | 100.00           |
|          | Sandwizz                       | 98.00            |
|          | Tamang'S Frozen Momo           | 98.00            |
|          | Dastaan                        | 98.00            |
|          | Shree Ganesh Home Kitchen      | 98.00            |
|          | Fatty Mamma Chinese Restaurant | 98.00            |
|          | Hesel Food Court               | 97.00            |
|          | Nisha'S Veg Kitchen            | 97.00            |
|          | Me & U                         | 97.00            |





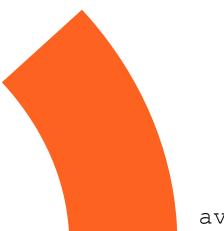
❖ 12. Specialized Cuisine Restaurants (1-2 food types only)

select Restaurant, `Food type` from swiggy where
length(`Food type`) - length(replace(`Food

type`,',','')) < 2;

|             | - 7 1 7 7                     | <u> </u>              |  |  |
|-------------|-------------------------------|-----------------------|--|--|
|             | Restaurant                    | Food type             |  |  |
| <b>&gt;</b> | Tunday Kababi                 | Mughlai, Lucknowi     |  |  |
|             | Kim Lee                       | Chinese               |  |  |
|             | Treat                         | Mughlai,North Indian  |  |  |
|             | Bangaliana                    | Bengali               |  |  |
|             | Altaf'S Chillies Restaurants  | North Indian, Chinese |  |  |
|             | Urban Solace                  | American, Continental |  |  |
|             | Aalishan Restaurant & Caterer | Mughlai,North Indian  |  |  |
|             | Kerala Pavilion               | Kerala,Seafood        |  |  |
|             | Esplanade                     | Mughlai,Bengali       |  |  |
|             | Kung Fu Panda                 | Chinese Thai Asian    |  |  |





### ❖ 13. Best-Rated Areas

|             | Area           | avg_total_ratings |  |  |
|-------------|----------------|-------------------|--|--|
| <b>&gt;</b> | Chintal        | 10000.00          |  |  |
|             | College Square | 1690.00           |  |  |
|             | Hyderabad      | 1420.00           |  |  |
|             | New Nallakunta | 1363.64           |  |  |
|             | Chiriamore     | 1305.00           |  |  |





❖ 14. Highest Average Prices by Area

|          | Area                        | avg_area_price |
|----------|-----------------------------|----------------|
| <b>)</b> | Vile Parle                  | 1500           |
|          | Pacific Mall Subhash Nagar  | 1200           |
|          | Someshwarpura               | 1200           |
|          | Brigade Road                | 1100           |
|          | Central Market Punjabi Bagh | 1050           |
|          | Kurla - Mumbai              | 1000           |
|          | Mantri Sqare Mall           | 900            |
|          | Central Markt Punjabi Bagh  | 875            |
|          | Bandra Area                 | 841.94         |
|          | Bentinck St.                | 800            |





## ❖ 15. Duplicate Restaurant Names

select Restaurant,count(\*) as count from swiggy group
by Restaurant having count > 4 order by count desc;

|   | Restaurant                          | count |
|---|-------------------------------------|-------|
| • | La Pino'Z Pizza                     | 13    |
|   | Subway                              | 10    |
|   | Nic Natural Ice Creams              | 10    |
|   | Baskin Robbins                      | 10    |
|   | Keventers - Milkshakes And Desserts | 9     |
|   | Kfc                                 | 9     |
|   | Oven Story Pizza                    | 9     |
|   | Pizza Hut                           | 9     |
|   | Natural Ice Cream                   | 9     |
|   | Behrouz Biryani                     | 9     |





#### ❖ 16.Outliers in Price

|   | Restaurant                           | price |  |
|---|--------------------------------------|-------|--|
| • | Malgudi - The Savera Hotel           | 2500  |  |
|   | Origami Japanese & Korean Restaurant | 2500  |  |
|   | Itc Windsor - Gourmet Couch          | 2500  |  |
|   | Conrad Pune                          | 2000  |  |
|   | Yauatcha                             | 2000  |  |
|   | Cafe Delhi Heights                   | 2000  |  |



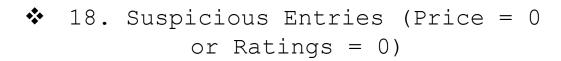


❖ 17. Outliers in Delivery Time

select Restaurant, Delivery time from swiggy where
Delivery time > 50 order by Delivery time desc
limit 8;

|   | Restaurant                     | Delivery<br>time |
|---|--------------------------------|------------------|
| • | Heavens Kitchen                | 109              |
|   | Yin Yang - Pan Asian Delicacy  | 100              |
|   | Tamang'S Frozen Momo           | 98               |
|   | Fatty Mamma Chinese Restaurant | 98               |
|   | Sandwizz                       | 98               |
|   | Dastaan                        | 98               |
|   | Shree Ganesh Home Kitchen      | 98               |
|   | Nisha'S Veg Kitchen            | 97               |





|   | ID     | Area           | City      | Restaurant       | Price | Avg<br>ratings | Total<br>ratings | Food type                              | Address       | Delivery<br>time |
|---|--------|----------------|-----------|------------------|-------|----------------|------------------|--|---------------|------------------|
| • | 73662  | Annanagar East | Chennai   | Mozza            | 0     | 2.9            | 80               | Continental, Chinese, Italian, Mexican | Annangar East | 64               |
|   | 283144 | Athwa          | Surat     | Monginis         | 0     | 2.9            | 80               | Desserts                               | Udhyognagar   | 46               |
|   | 55365  | Isanpur        | Ahmedabad | Maruti Dhosa Hub | 0     | 4.1            | 20               | South Indian                           | Vishal Nagar  | 49               |
|   | 55710  | Paldi          | Ahmedabad | Ladli Fast Food  | 0     | 3.5            | 20               | Fast Food, Italian                     | Paldi         | 34               |
|   | 77391  | Ghodasar       | Ahmedabad | Comfy Restaurant | 0     | 4              | 100              | Indian, Chinese                        | Isanpur       | 48               |





# THANK FOR READING.

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