The Swiggy report will commence with a summary of the facts, emphasizing the quantity of restaurants, leading chains of restaurants, most popular cuisines, and most popular places accessible on the platform. After that, we'll get started on the analysis by putting together visualizations showing the most popular cuisines, top-rated restaurants, and average price .

In conclusion, consumers will be able to make well-informed judgments about eating out thanks to the Power BI report on Swiggy restaurant data analysis and restaurant locator function. In addition to delivering an interactive tool to help identify the finest restaurant selections, it will provide insights about the most popular cuisines and restaurants in each location.

Data Cleaning:

1. The CSV file contained a dataset with ten columns used as the data source. After selecting "Get Data" from the CSV file in Power BI Desktop, we may modify and clean the data in the Query Editor. The column types are altered and the first row is promoted to headers by default.

2. Most of the cleaning was done in Excel, with a tiny amount also done in Power BI. I used the trim function to get rid of extra spaces in the columns.

3. Make sure that there are no special characters, such as /, /n, \,{, etc., in the restaurant name column.

4. It has been noted that special characters like "ƒ," "Â," and "©" are used in place of the letter "é" in restaurant names like "Café".

5. To handle the same, I ran several replace operations on the column "Restaurant."

6. The complete dataset was examined for duplicates, and any found were eliminated.

7. The data was correctly aligned and trimmed.

8. By choosing the complete worksheet, I checked to see if there were any hyperlinks and eliminated them. Right-click anywhere on the worksheet while hyperlinks are selected, then select "Remove Hyperlinks" from the menu.

9. I used the If function to create a new column, Rating.

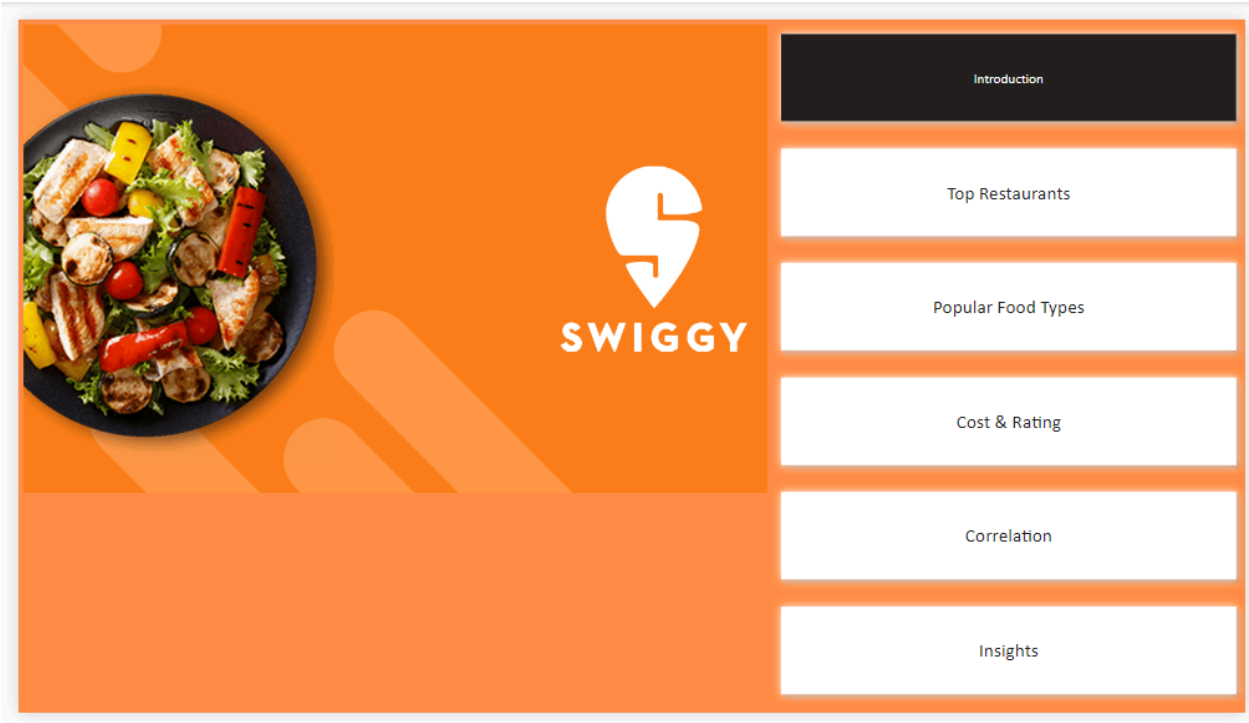
Analysis and Modelling

Observations:

1. The dataset has approximately 8,000 rows at first.
2. Restaurant names are the same at different addresses(restaurant chains) .
3. For several restaurants at the same site, the same address is applicable.
4. For consistency and ease of reference, I also clipped and capitalized the columns that contained the "restaurant name" and "address."
5. Before beginning dashboarding and analysis, choose the entire data set and trim.

Now that the dataset is clean and ready for dashboarding and analysis.
Below is a list of the dashboards made for the analysis along with the insights I discovered.

Introduction:



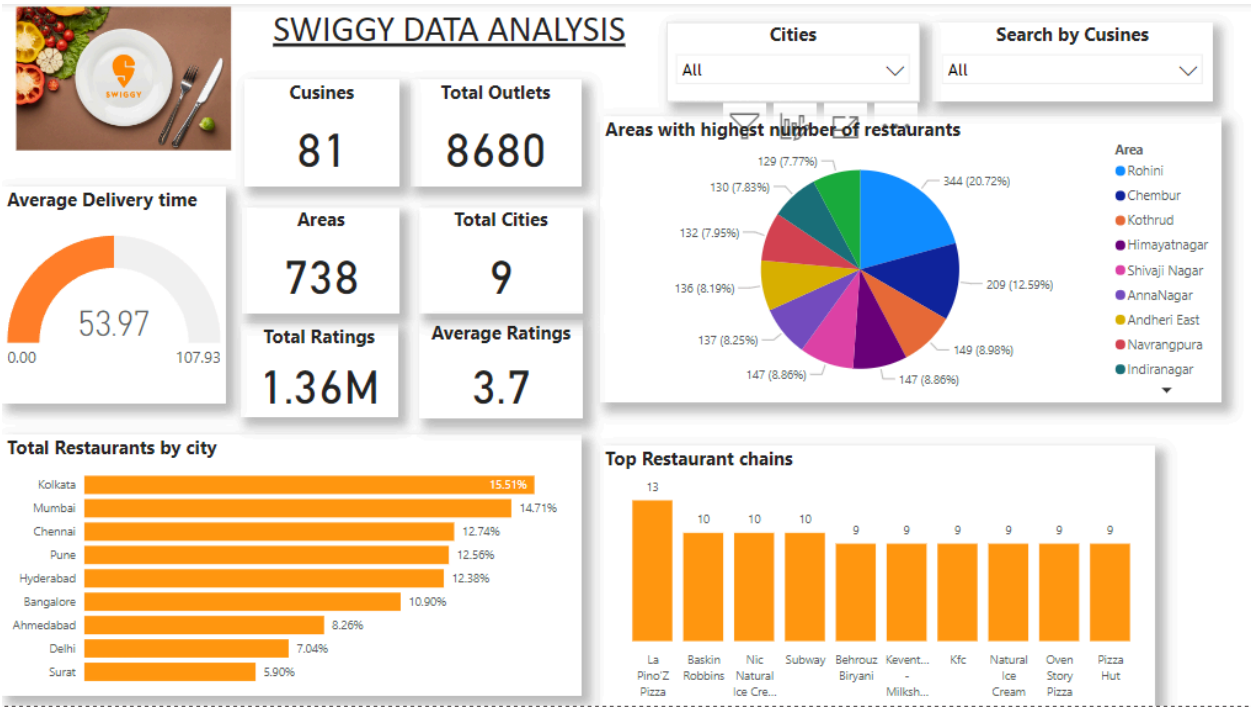
Insights from the 1st report: (Top Restaurants):

1. The top ten restaurant franchises with the most locations are La Pino'z, Baskin Robbins, Natural Ice Creams, Subway, Behrouz Biryani, followed by KFC, Oven story Pizza, and Pizza Hut.

2. Kolkata City has the highest percentage of restaurants (15.5%). The Rohini neighborhood in Delhi has the highest concentration of restaurants.

3. There are 738 areas in all, and the average restaurant delivery time is 53 minutes.

4. The restaurants have received ratings from 1.36 million customers, and with an average rating 3.7.

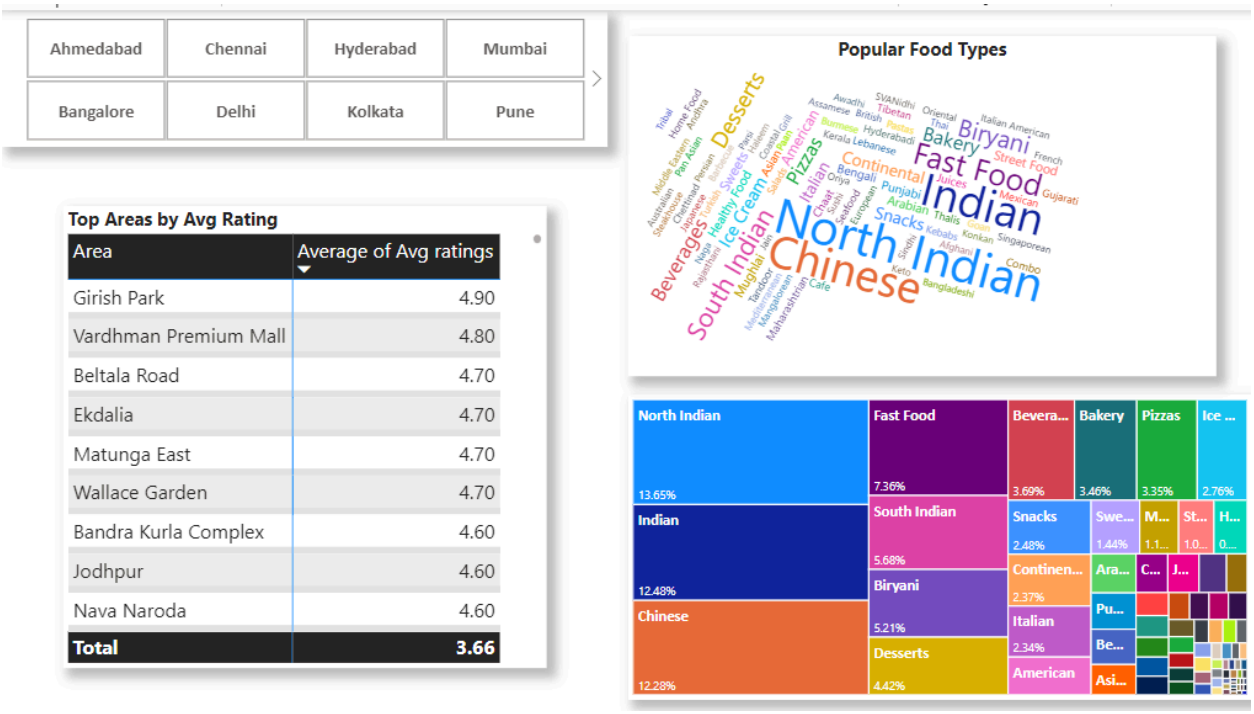


Insights from the 2nd report: (Popular Food Types):

1. The most popular food types are North Indian, Indian, Chinese, Fast Food and South Indian.

2. With the highest average restaurants rating overall, Girish Park, Vardhman Premium Mall, Beltala Road, Ekdalia, and Matunga East are the top 5 locations.

3. By choosing a City from the available slicer, the two visualizations can be filtered down.

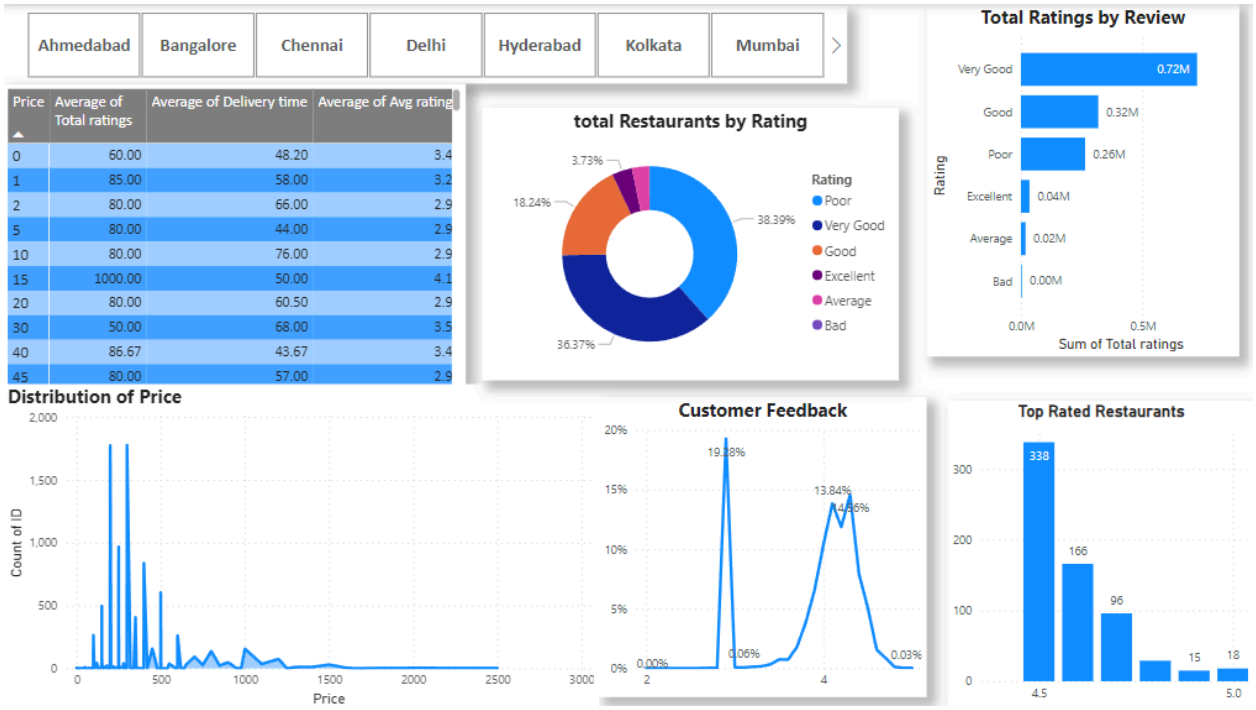


Insights from the 3rd report: (Cost & Rating):

1. Most of the restaurants serve and deliver food for under Rs 1000 and a good number of restaurants serve a wide variety of dishes in the price range of INR 200 to INR 400.

2. Most of the restaurants fall under the ratings 2.9 to 4.3.

3. Around 662 Restaurants have higher ratings ranging between 4.5 to 5.



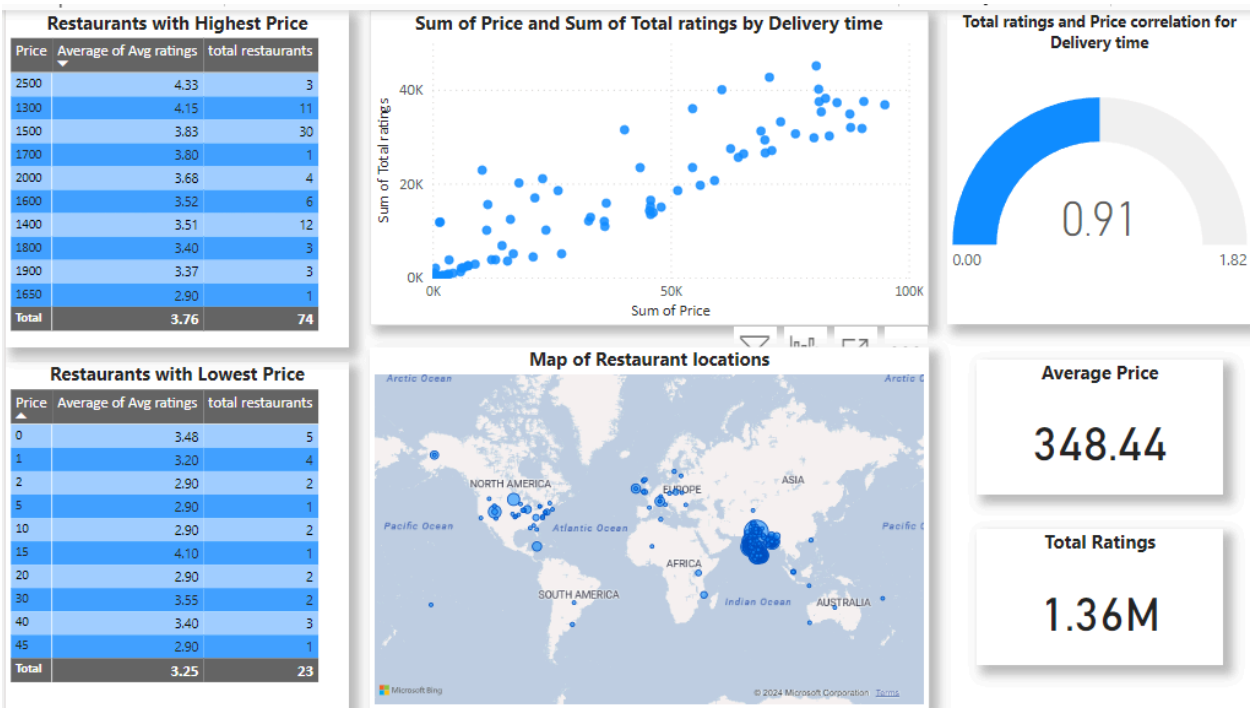
Insights from the 4th report: (Correlation):

1. The average rating for the 74 restaurants with the highest price is 3.7, while the average rating for the 23 restaurants with the lowest price is 3.2.

2. Additionally, there are cards that display helpful data such as Average Price and Total ratings based on the user's past selections.

3. Zooming in and out of a map representation gives you a much better picture of the location and amount of restaurants that are available at that specific area.

Cross filtering is used in the visualizations and changes dynamically based on the selection of other visualizations in the same report / page.



Insights:

Top Restaurants:

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Kolkata City has the highest percentage of restaurants (15.5%). The Rohini neighbourhood in Delhi has the highest concentration of restaurants.

There are 738 areas in all, and the average restaurant delivery time is 53 minutes.

The restaurants have received ratings from 1.36 million customers, and with an average rating 3.7.

Popular Food Types:

The most popular food types are North Indian, Indian, Chinese, Fast Food and South Indian.

With the highest average restaurant rating overall, Girish Park, Vardhaman Premium Mall, Beltala Road, Ekdalia, and Matunga East are the top 5 locations.

By choosing a City from the available slicer, the two visualizations can be filtered down.

Cost & Rating:

A large number of restaurants offer a wide selection of dishes for between INR 200 and INR 400, while the majority of restaurants serve and transport food for less than Rs 1000.

The majority of food outlets have ratings between 2.9 and 4.3.

There are approximately 662 reviews with a higher grade of 4.5 to 5.

Correlation:

The average rating for the 74 restaurants with the highest price is 3.7, while the average rating for the 23 restaurants with the lowest price is 3.2.

Additionally, there are cards that display helpful data such as Average Price and Total ratings based on the user's past selections.