
Swiggy Data Analysis

Wireframe Documentation

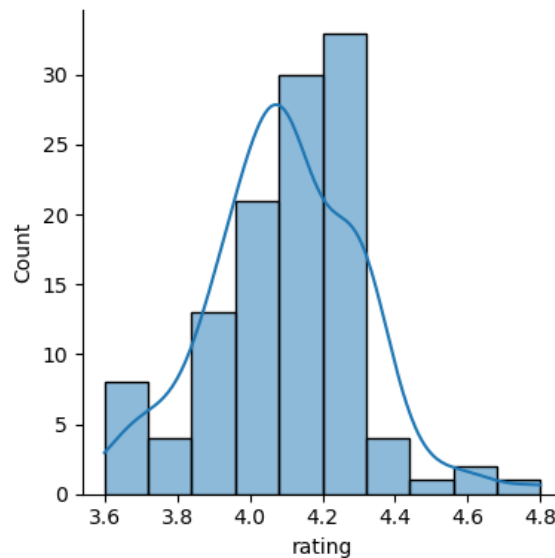
Mujahid Raza

Analysis :-

As per the problem statement, we have defined the several Use Cases to perform the analysis on which helps in not only understanding the meaningful relationships between attributes but it also allows us to do our own research and come-up with our findings.

1. Distribution of Rating :-

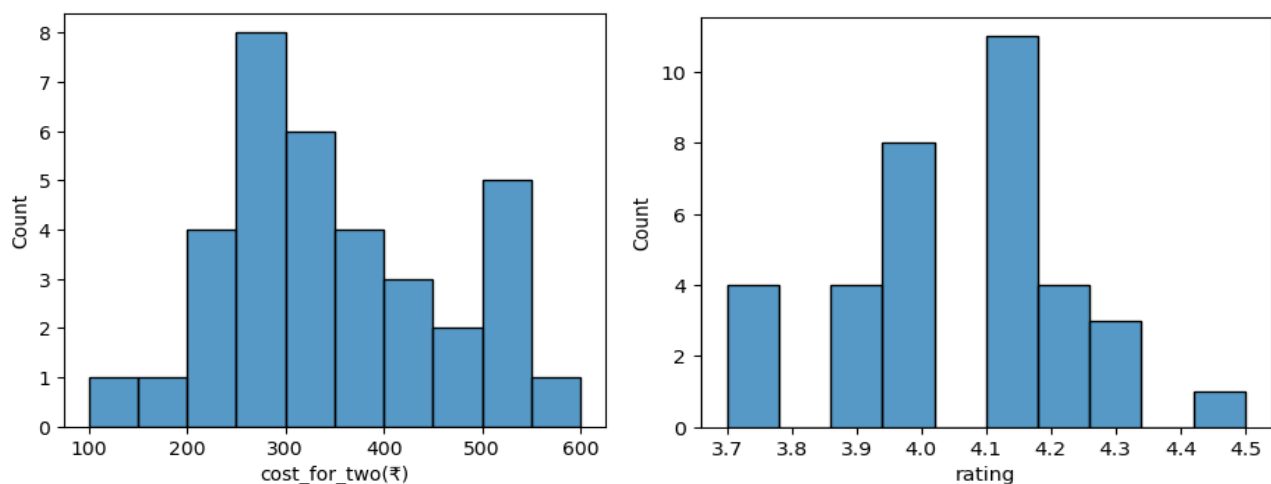
In this DistPlot visual, we tried to interpret the distribution of Ratings



2. Area-wise Analysis on Rating and Cost_for_Two (₹) :-

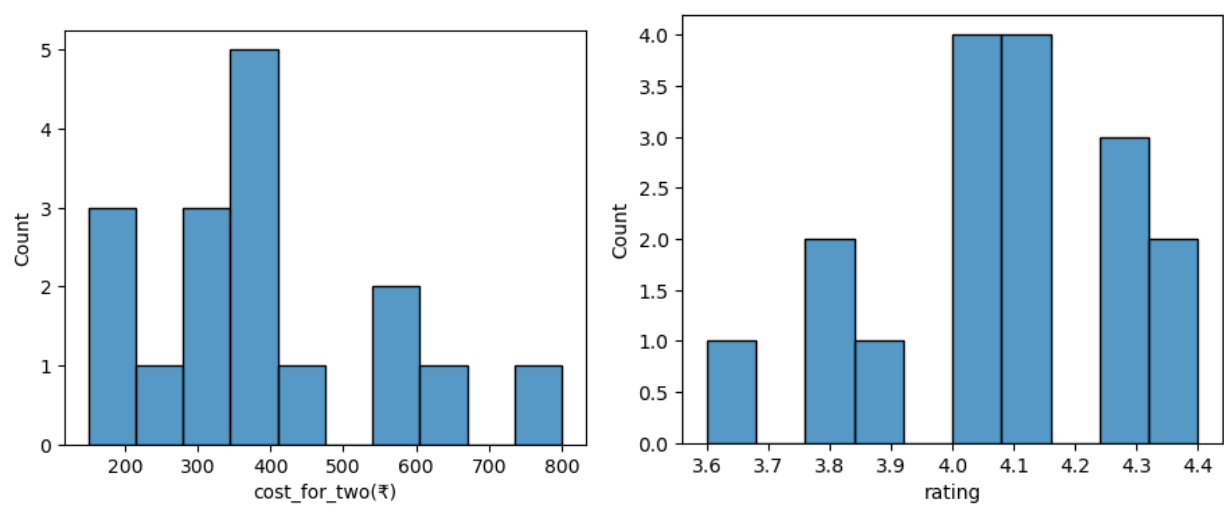
In this section, we analyse the data and tried to interpret the followings -

- **BTM Area:**



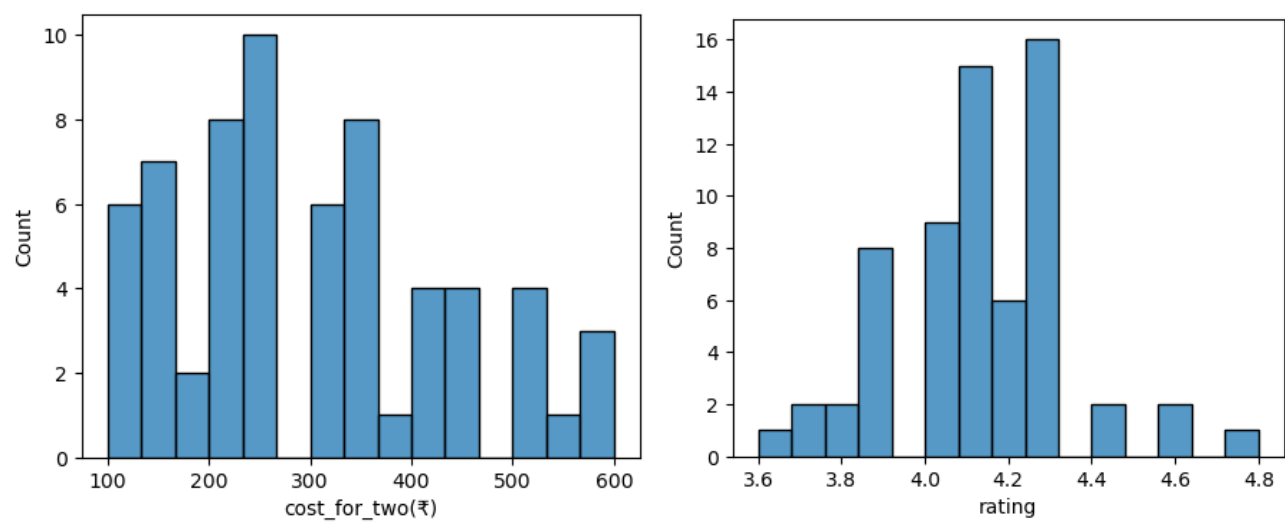
BTM :- Most has **4.0 to 4.2** Rating and Approx. Cost for Two People lies between **200 to 350**. (Max. Cost goes upto **600**)

● **HSR Area:**



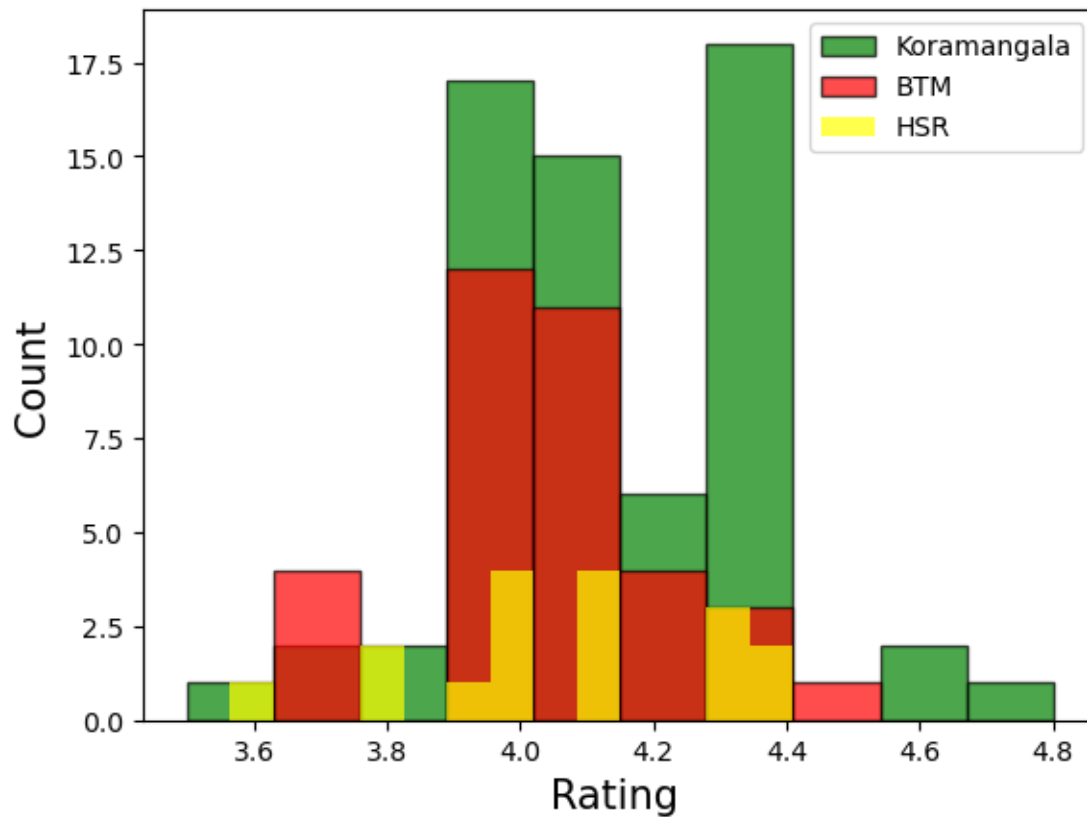
HSR :- Most has **4** or above Rating and Approx. Cost for Two People lies between **300 to 400**.

● **Koramangala Area:**



Koramangala :- Most has **4.0 to 4.3** Rating and Approx. Cost for Two People lies between **200 to 350**. (Max. Cost goes upto **600**)

Combined Rating analysis :-



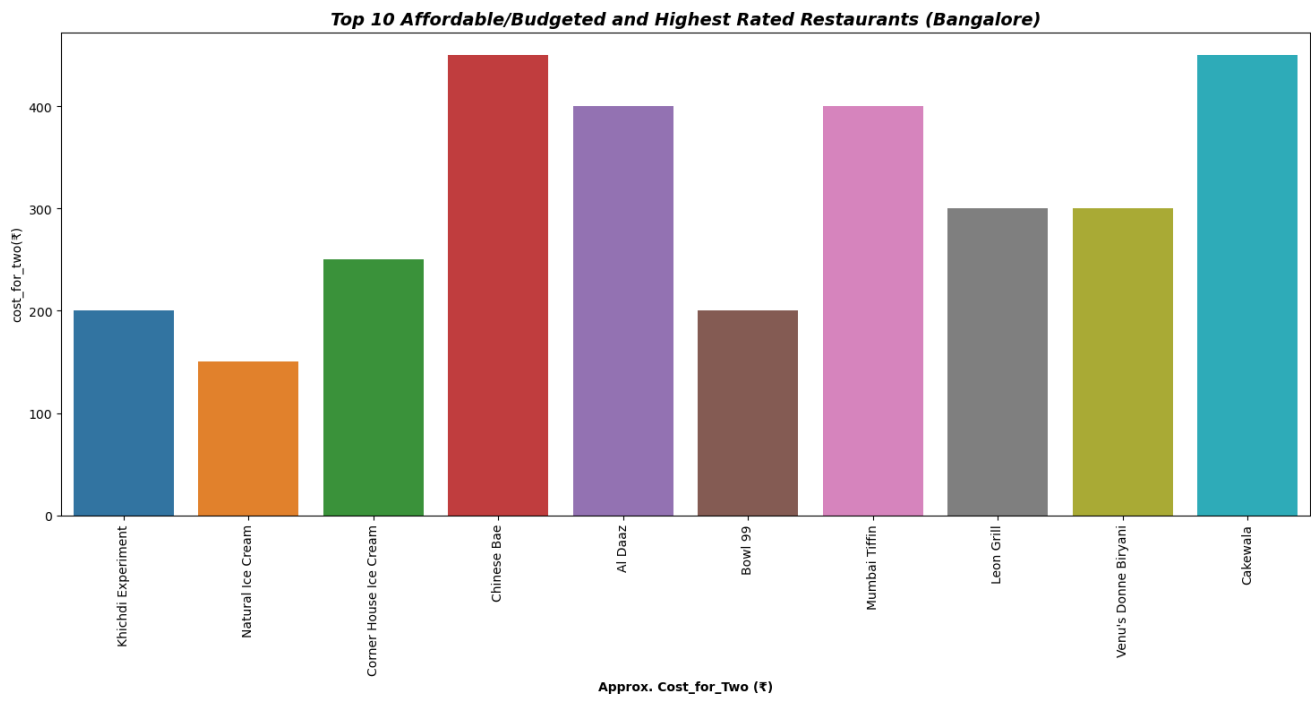
From this we can interpret that HSR is more costly.

3. Analyse "Approx Cost of 2 People" vs "Rating". Find out the relationship between them :-

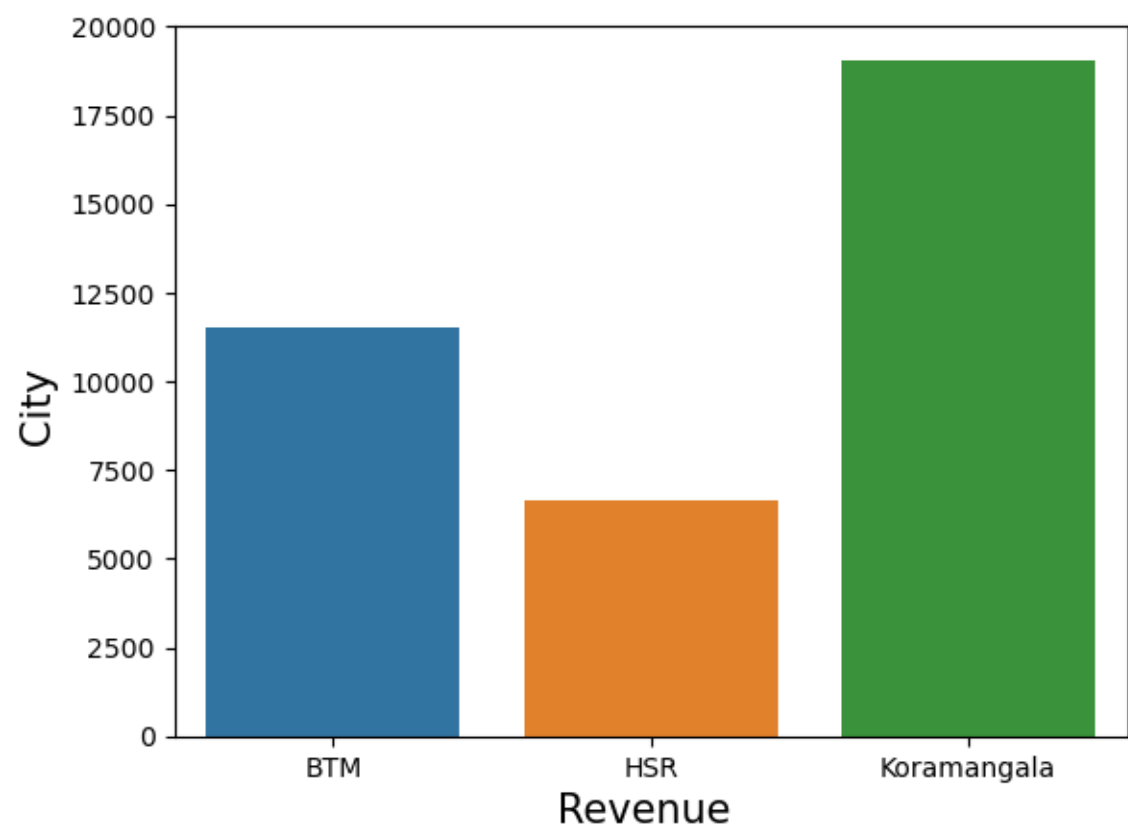
Here, we tried to interpret the relationship between "Approx Cost of 2 People" vs "Rating" using Scatter Plot.



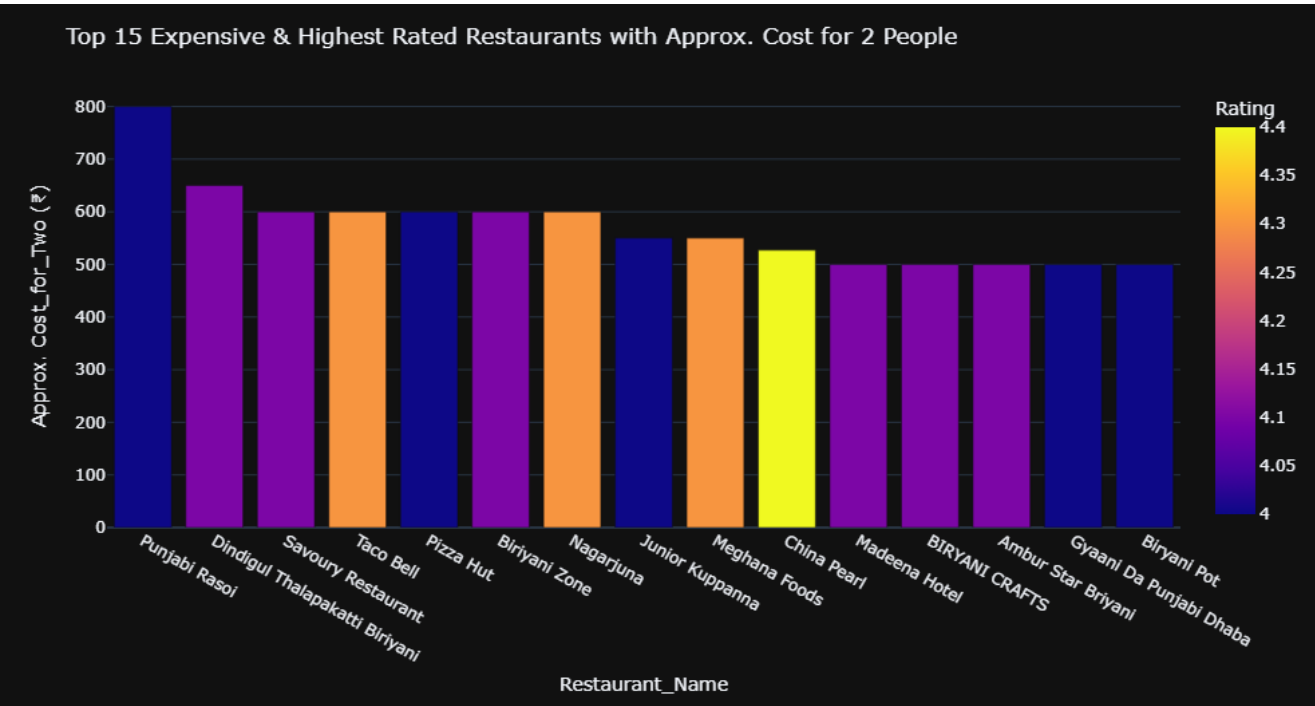
4. Top 10 Analyze Affordable/Budgeted and Highest Rated Restaurants of Bangalore:



5. Revenue in each Area

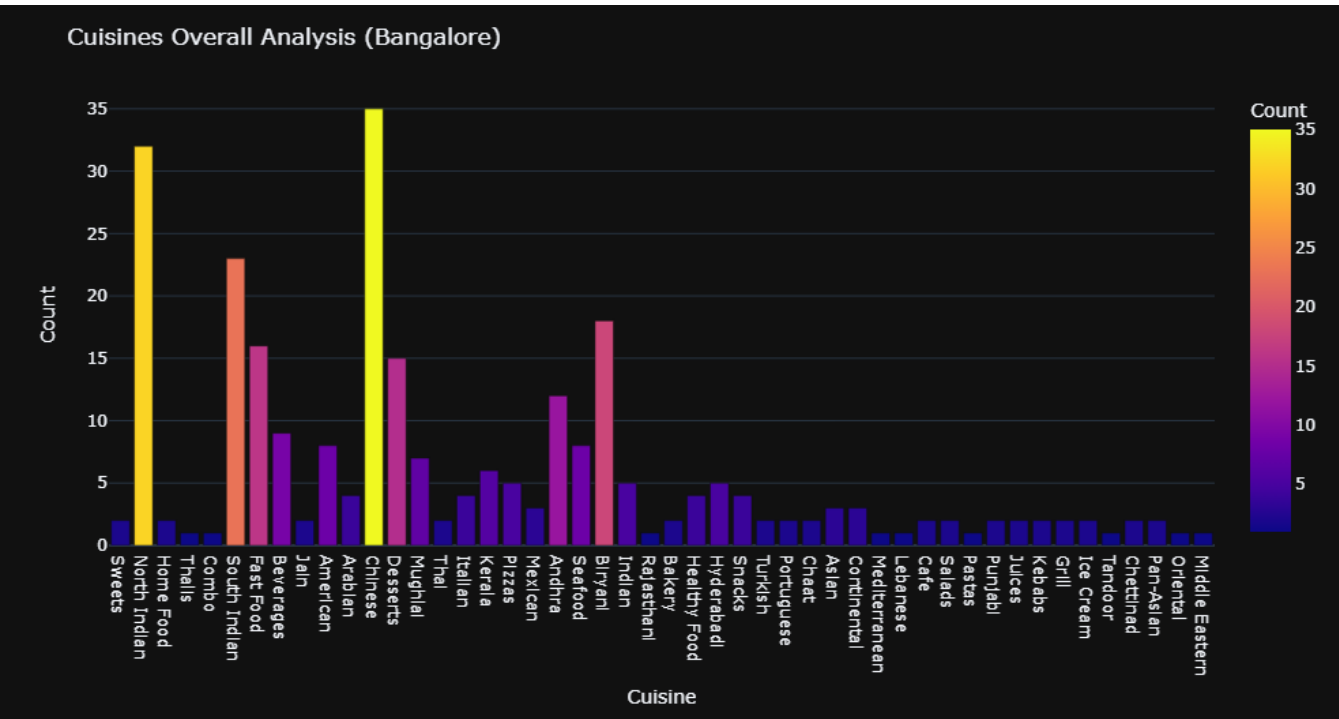


6. Top 15 Expensive & Highest Rated Restaurants with Approx. Cost for 2 People:
Here, we tried to find-out the Expensive and Highest Rated Restaurants with Approx. Cost of 2 People.



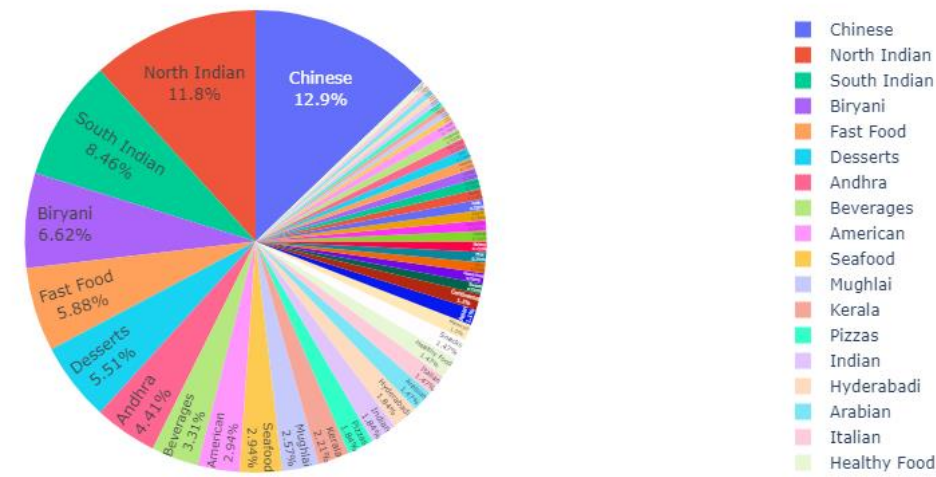
• Cuisines Analysis :-

7. Cuisines Overall Analysis (Bangalore)
Here, we tried to interpret the Most preferred Cuisine type in the entire Bangalore.



8. Overall Distribution of Cuisines in Bangalore Restaurants:

Overall Distribution of Cuisines in Bangalore Restaurants



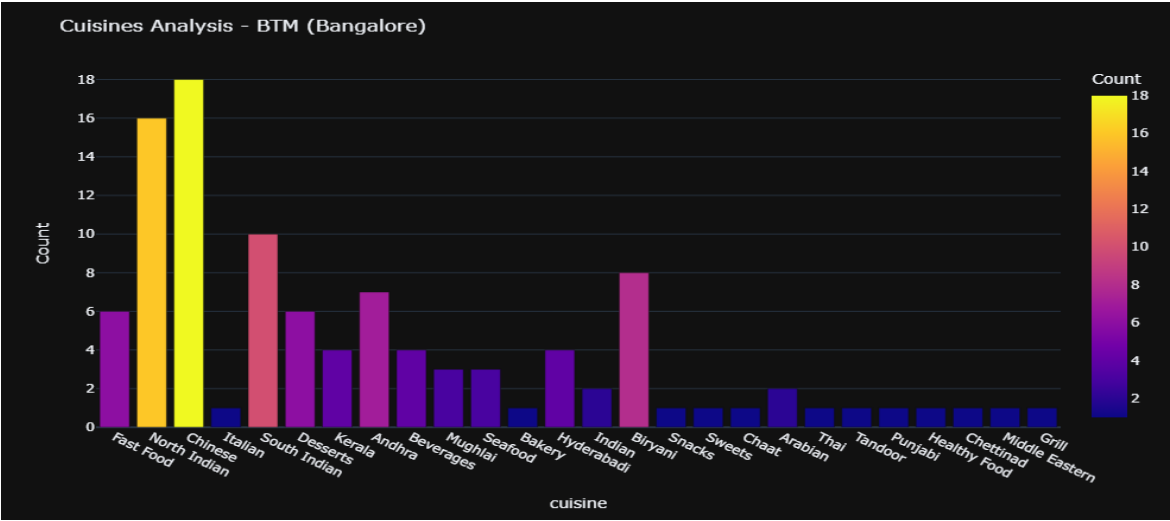
Conclusion:

From the above Visualizations, We can say, Most of the Restaurants sell "Chinese" which is around '12.9%' followed by "North Indian" & "South Indian" Cuisines which are around '11.8%' & '8.46%'.

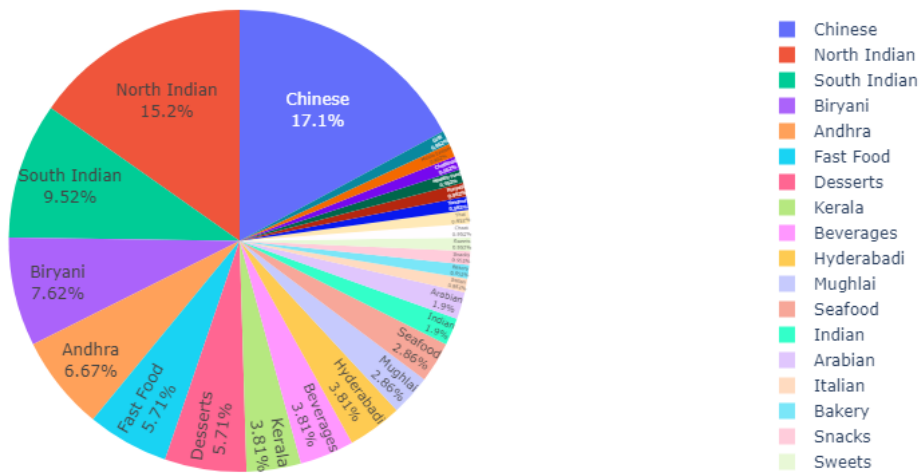
9. Area-wise Cuisines Analysis:

In this section, we analyse the data and tried to interpret the followings -

• BTM Area:

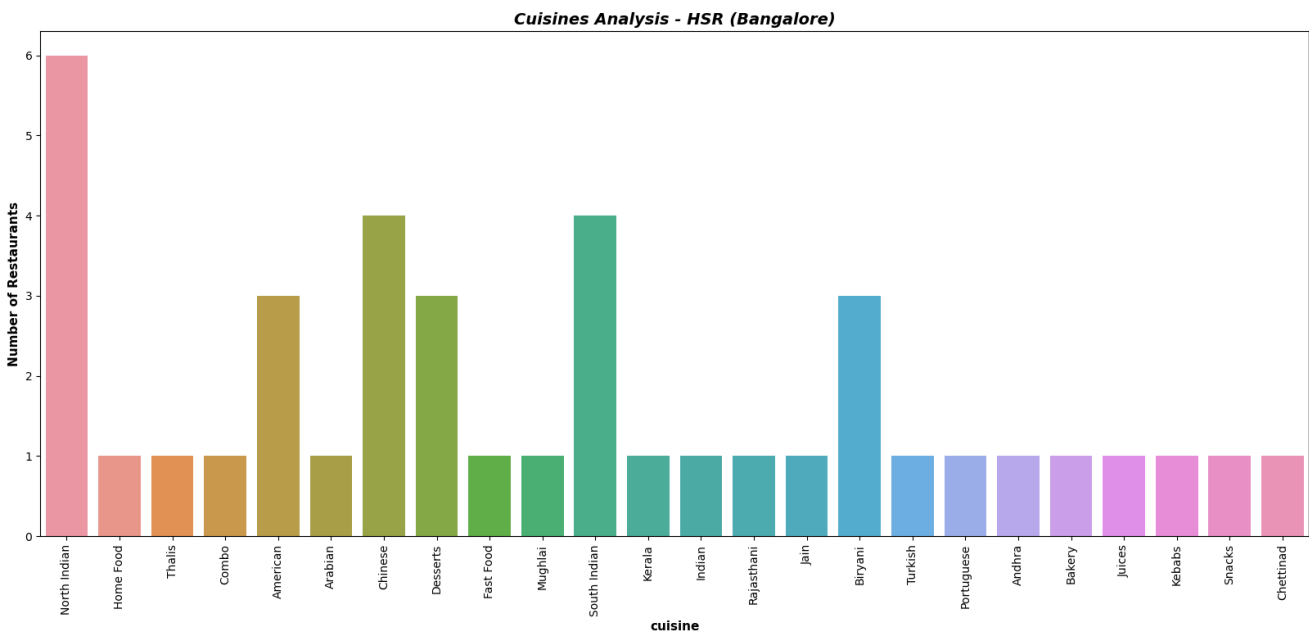


Distribution of Cuisines in BTM Bangalore Restaurants

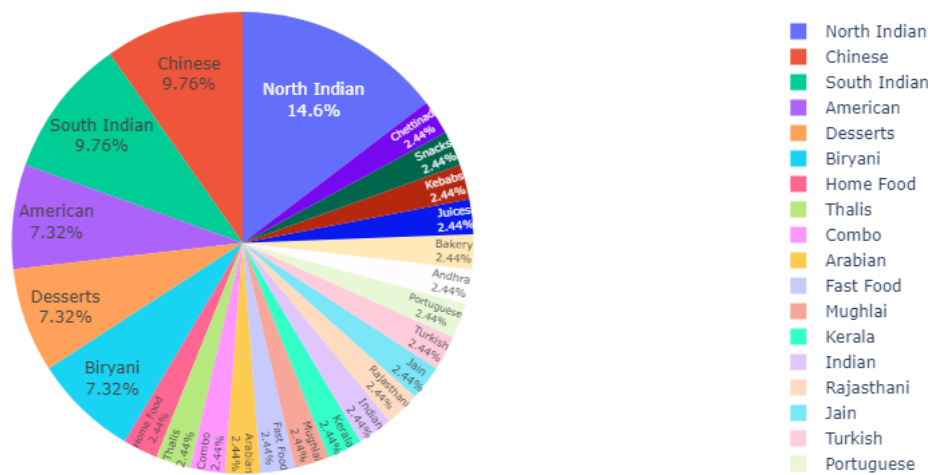


- ✓ In BTM Area, *Most of the Restaurants* sell "**Chinese**" which is around '**17.1%**' followed by "**North Indian**" & "**South Indian**" Cuisines which are around '**15.2%**' & '**9.52%**'.
- ✓ Most of the people are fond of these Cuisines.

● HSR Area:

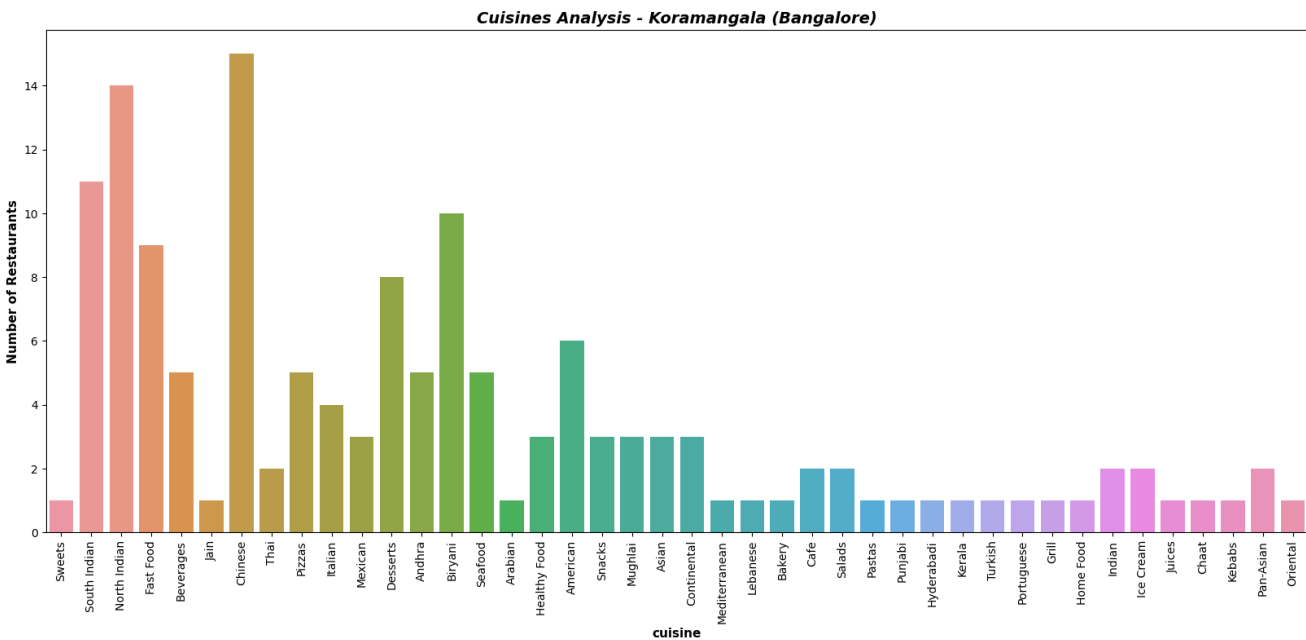


Distribution of Cuisines in HSR Bangalore Restaurants

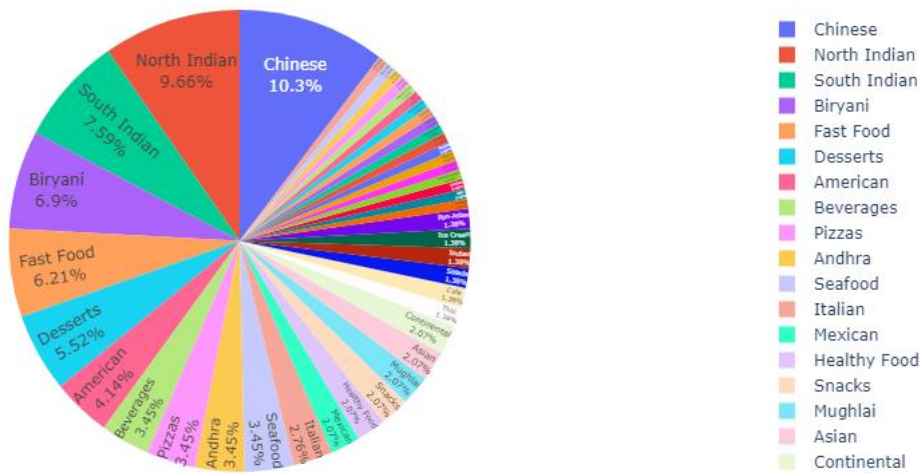


- ✓ In **HSR Area**, "**North Indian**" Cuisines are dominated by around '**14.3%**' followed by "**Chinese**" & "**South Indian**" Cuisines '**9.52%**' & '**9.52%**' Restaurants respectively.
- ✓ So, we can also infer that - In HSR Area, We may have more "**North Indian**" people staying there.

● **Koramangala Area:**



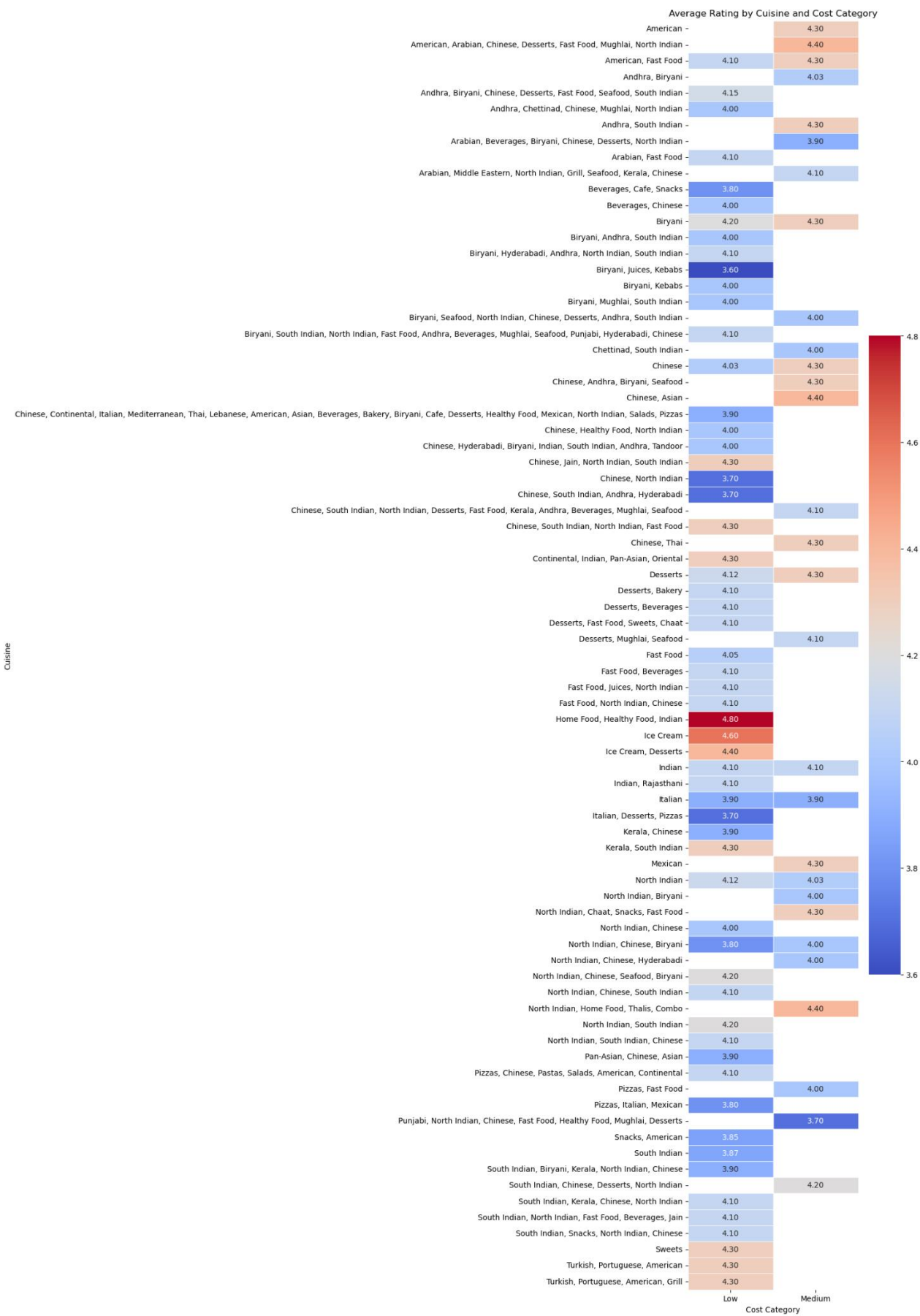
Distribution of Cuisines in Koramangala Bangalore Restaurants



In **Koramangala** Area, "**Chinese**" Cuisines are dominated by around '**10.3%**' followed by "**North Indian**" & "**South Indian**" Cuisines '**9.66%**' & '**7.59%**' Restaurants respectively.

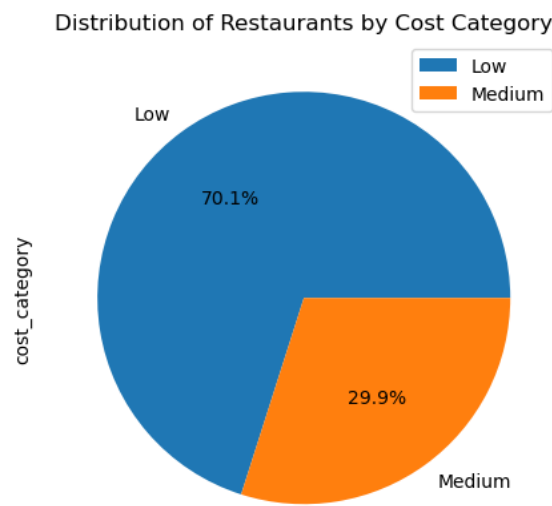
✓ Most of the people are fond of the **Chinese**

10. Average Rating by Cuisine And Cost Category :



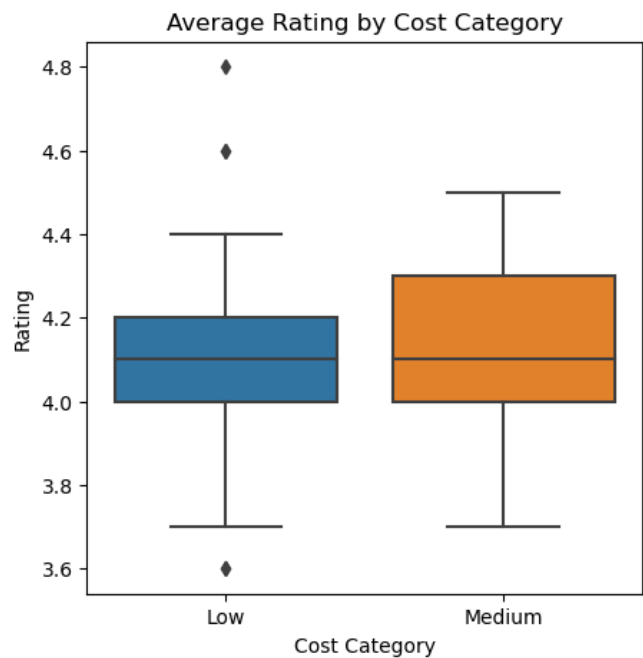
The heatmap displays the average cost and rating for each cuisine in Bangalore. This analysis helps to identify which cuisines have the highest average cost and rating. This information can help customers make informed choices when deciding on which cuisine to order.

11. Pie chart of the distribution of restaurants by cost category:



The pie chart displays the distribution of restaurants based on their cost category. The analysis helps to identify the percentage of restaurants that fall under each cost category. This information can help customers choose restaurants based on their budget.

12. Box plot for average rating by cost category:



The box plot displays the average rating by cost category. This analysis helps to identify which cost category has the highest average rating and which has the lowest. This information can help customers choose restaurants based on their budget and still enjoy good ratings.

Overall, the analysis performed in the project provides useful insights for customers in Bangalore who use Swiggy for food delivery services. The information can help customers make informed choices on which cuisine, restaurant, and location to order from based on their budget, preferred rating, and location.