

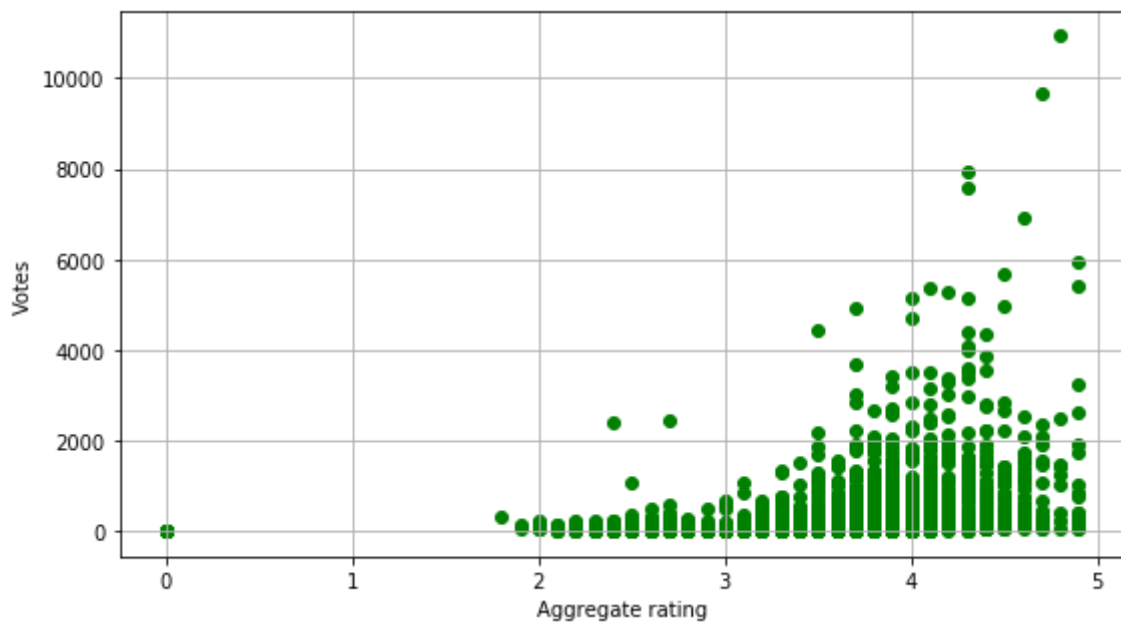
PART 2 PROBLEMS :

User Rating of a restaurant plays a crucial role in selecting a restaurant or ordering the food from the restaurant

Write a short detailed analysis of how the rating is affected by the restaurant due following features: Plot a suitable graph to explain your inference.

1 .Number of Votes given Restaurant

Graph -



Conclusion -

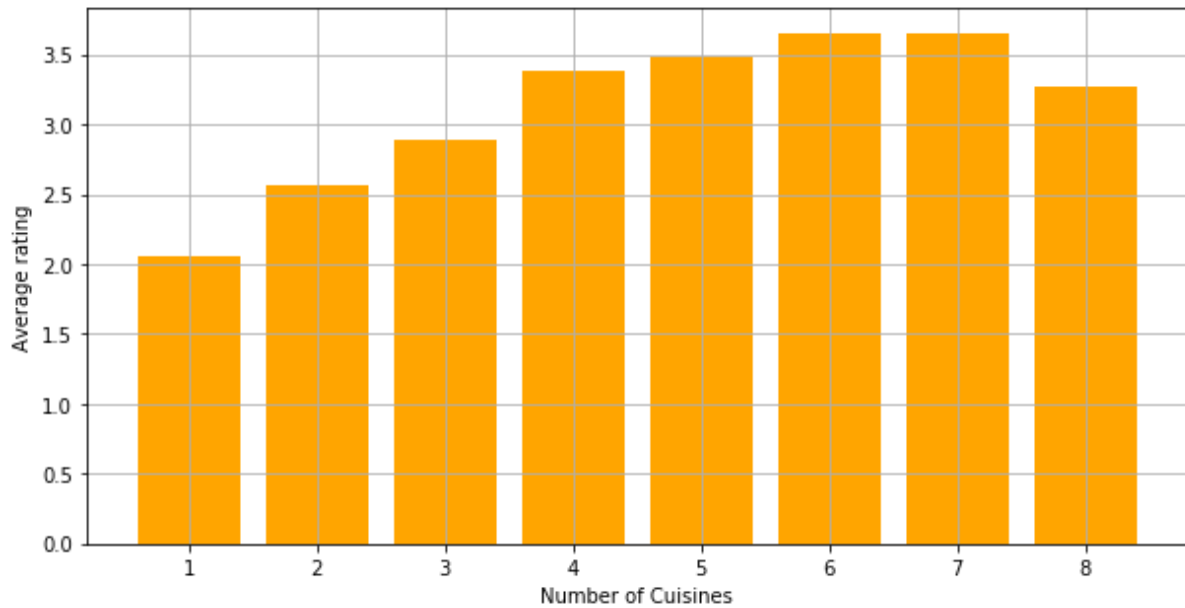
In General rating is increasing when no of votes is increasing
For most of restaurants if rating lies between 1.5 to 3.5 their number of votes given is below 2000
If the number of votes given is greater than 2000 for most of restaurants rating is greater than 3.5

2 .Restaurant serving more number of cuisines.

Conclusion -

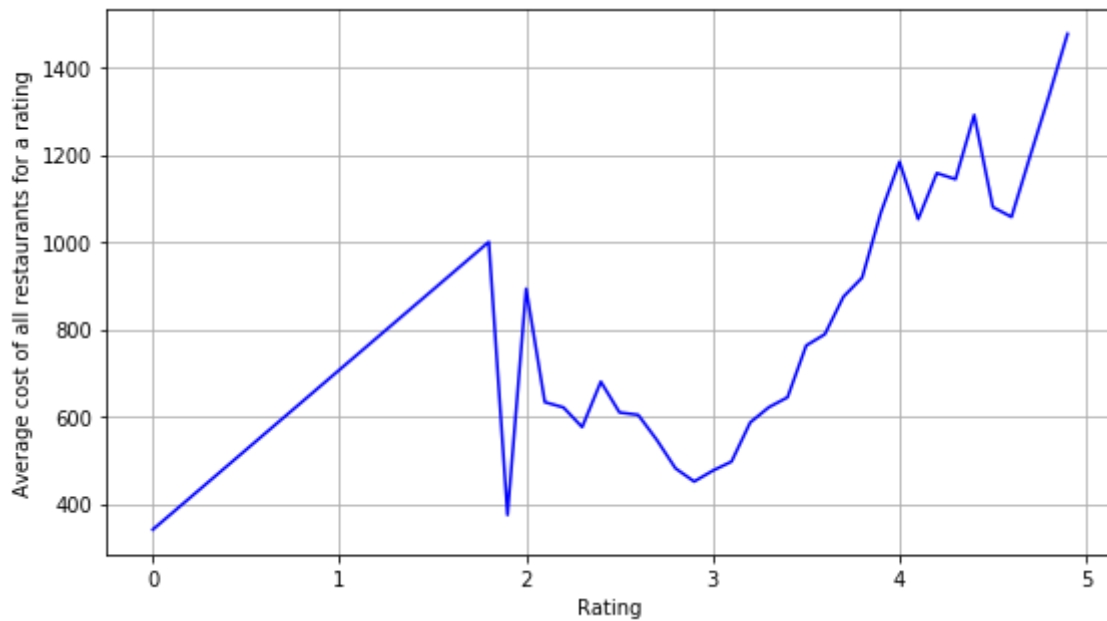
From Below graph we can say in general Average rating of restaurants is increasing if they Are serving more number of cuisines
We can see if number of cuisines served by restaurants 6 and 7 their average rating is maximum.

Graph -



3. Average Cost of Restaurant

Graph -

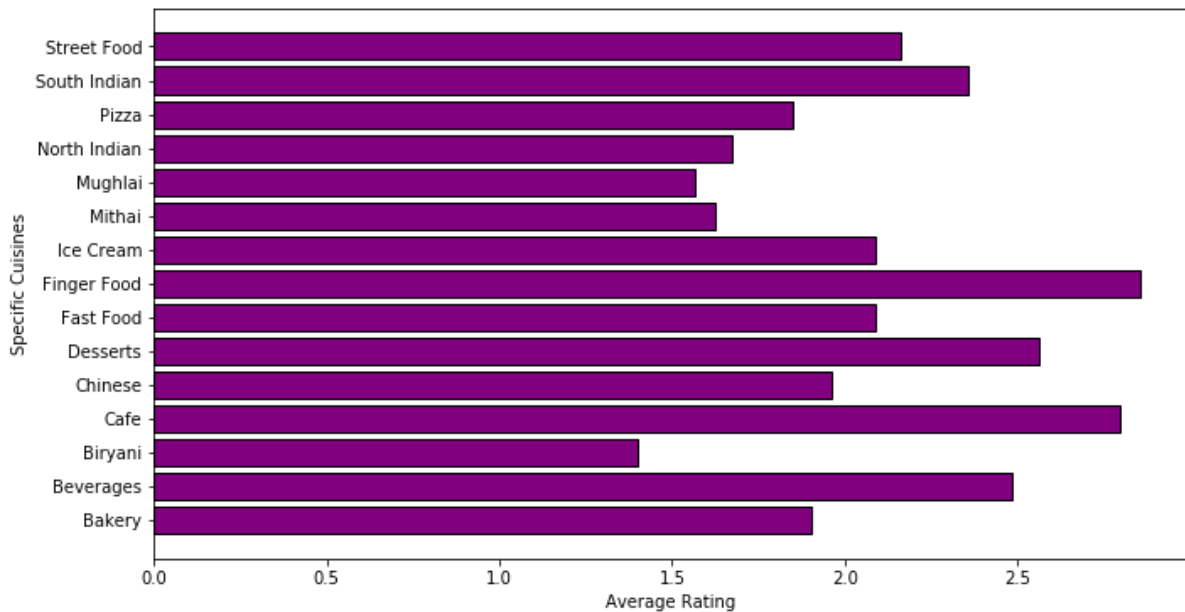


Conclusion -

From the above graph we can say generally if rating is increasing the rating is increasing the average cost of all restaurants for that rating is also increasing and it is maximum for rating close to 5.

4. Restaurant serving some specific cuisines.

Graph -



Conclusion -

From above graph we can see for all the restaurants who are specifically serving Finger Food and cafe their average rating is maximum

And their average rating is poor if they are only serving Biryani

Question - Find the weighted restaurant rating of each locality and find out the top 10 localities with more weighted restaurant rating?

Weighted Restaurant Rating = $\Sigma (\text{number of votes} * \text{rating}) / \Sigma (\text{number of votes})$.

Answer -

4.9 Hotel Clarks Amer, Malviya Nagar

4.9 Aminabad

4.89 Friends Colony

4.84 Powai

4.82 Kirlampudi Layout

4.8 Express Avenue Mall, Royapettah

4.8 Deccan Gymkhana

4.72 Banjara Hills

4.71 Sector 5, Salt Lake

4.7 Riverside Mall, Gomti Nagar

Graph -

