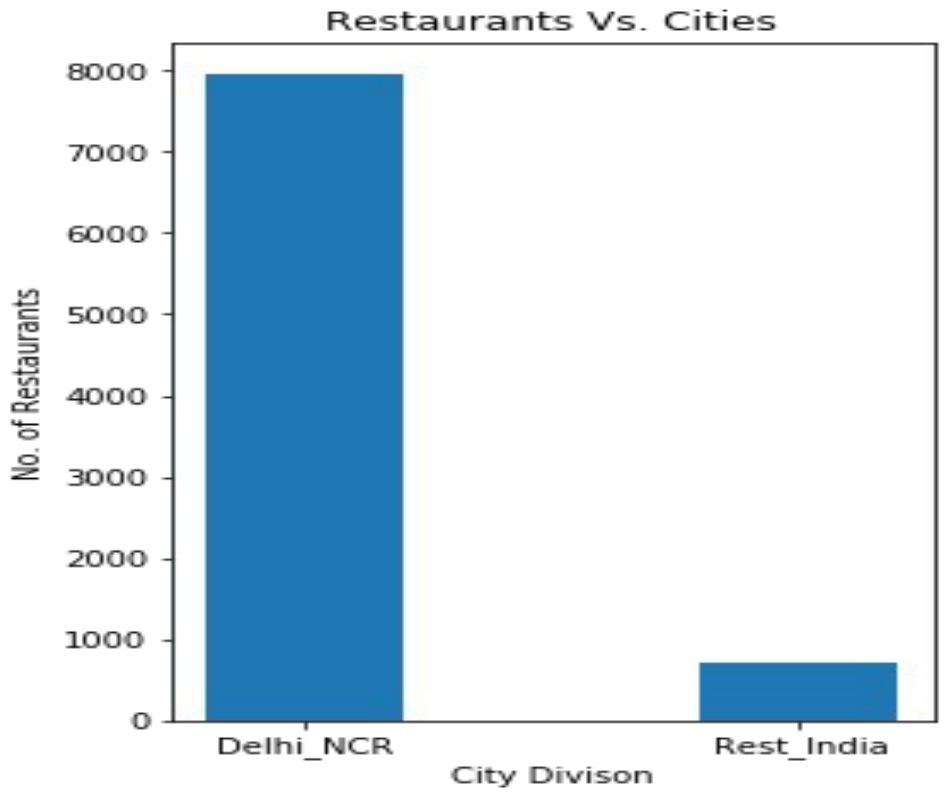
PROJECT : ZOMATO API – 2

Find here answers to the asked questions respectively :

QUESTION -- 1

	CITY-DIVISION	NO. OF RESTAURANTS
1.	DELHI-NCR	7947
	REST of INDIA	705

BAR GRAPH:



JUSTIFICATION :

From the above study it is clear that number of restaurants in Delhi_NCR are almost Eight Times more than the Rest Of India. Above mentioned Data(obtained through code) also justifies this Bar Graph.

2.

Cuisines which are **not** in Delhi NCR but are present in Rest of India are as follows :

a. **Malwani**

b. **German**

c. **BBQ**

d. **Cajun**

JUSTIFICATION:

CHECKING Through ZOMATO API

It is found that the

CUISINES served in Delhi NCR include [“Malwani”, “BBQ”]

so it is due to incomplete dataset.

But the other two are actually not served in Delhi_NCR.

3. FOR DELHI_NCR

	CUISINES	NO. OF RESTAURANTS
1.	North Indian	3597
2.	Chinese	2448
3.	Fast Food	1866
4.	Mughlai	933
5.	Bakery	697
6.	South Indian	569
7.	Continental	547
8.	Desserts	542
9.	Street Food	538
10.	Italian	535

FOR REST_OF_INDIA

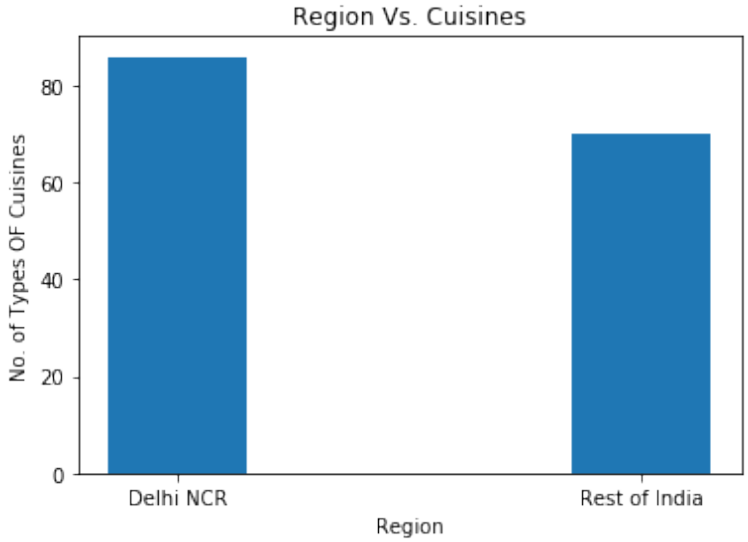
CUISINES	NO. OF RESTAURANTS
North Indian	349
Chinese	242
Continental	177
Italian	147
Cafe	136
Fast Food	97
South Indian	62
Mughlai	59
Desserts	55
Mexican	50

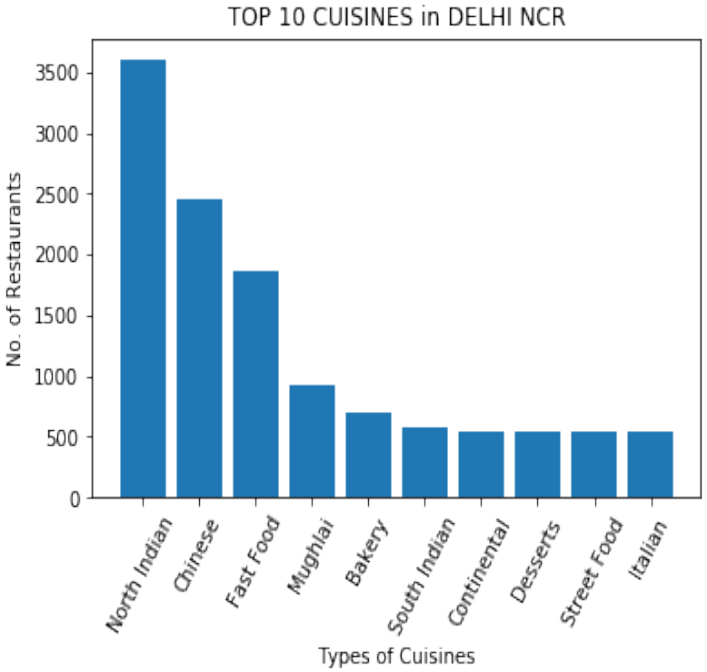
4.

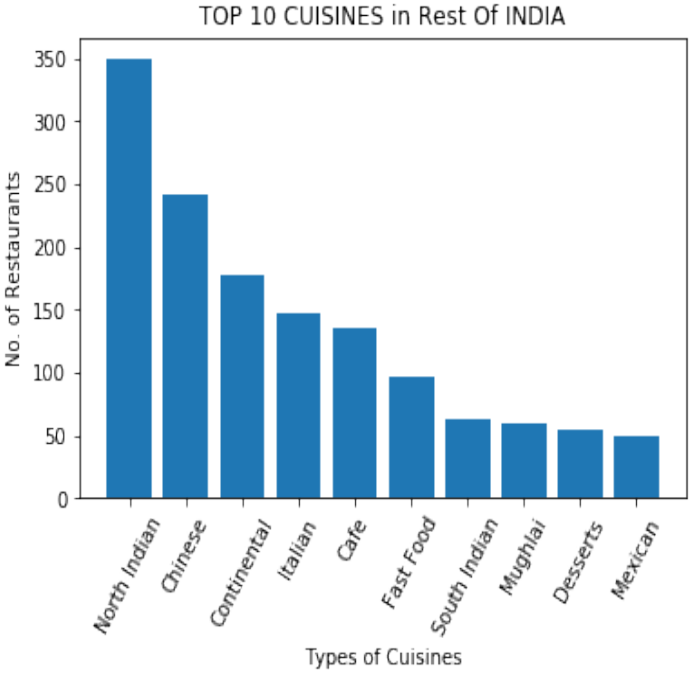
In Delhi NCR , 86 types of cuisines are served while in Rest of India 70 types of cuisines are served.

In Delhi NCR as well as in Rest of India, top cuisine is NORTH INDIAN. But the number of restaurants serving this cuisine in Delhi NCR are 3597 while in rest of India these are only 349.

FIND HERE SOME PLOTS:


Region Vs. Cuisines
No. of Types OF Cuisines
0
20
40
60
80
Delhi NCR
Rest of India
Region


TOP 10 CUISINES in DELHI NCR
No. of Restaurants
0
500
1000
1500
2000
2500
3000
3500
North Indian
Chinese
Fast Food
Mughlai
Bakery
South Indian
Continental
Desserts
Street Food
Italian
Types of Cuisines

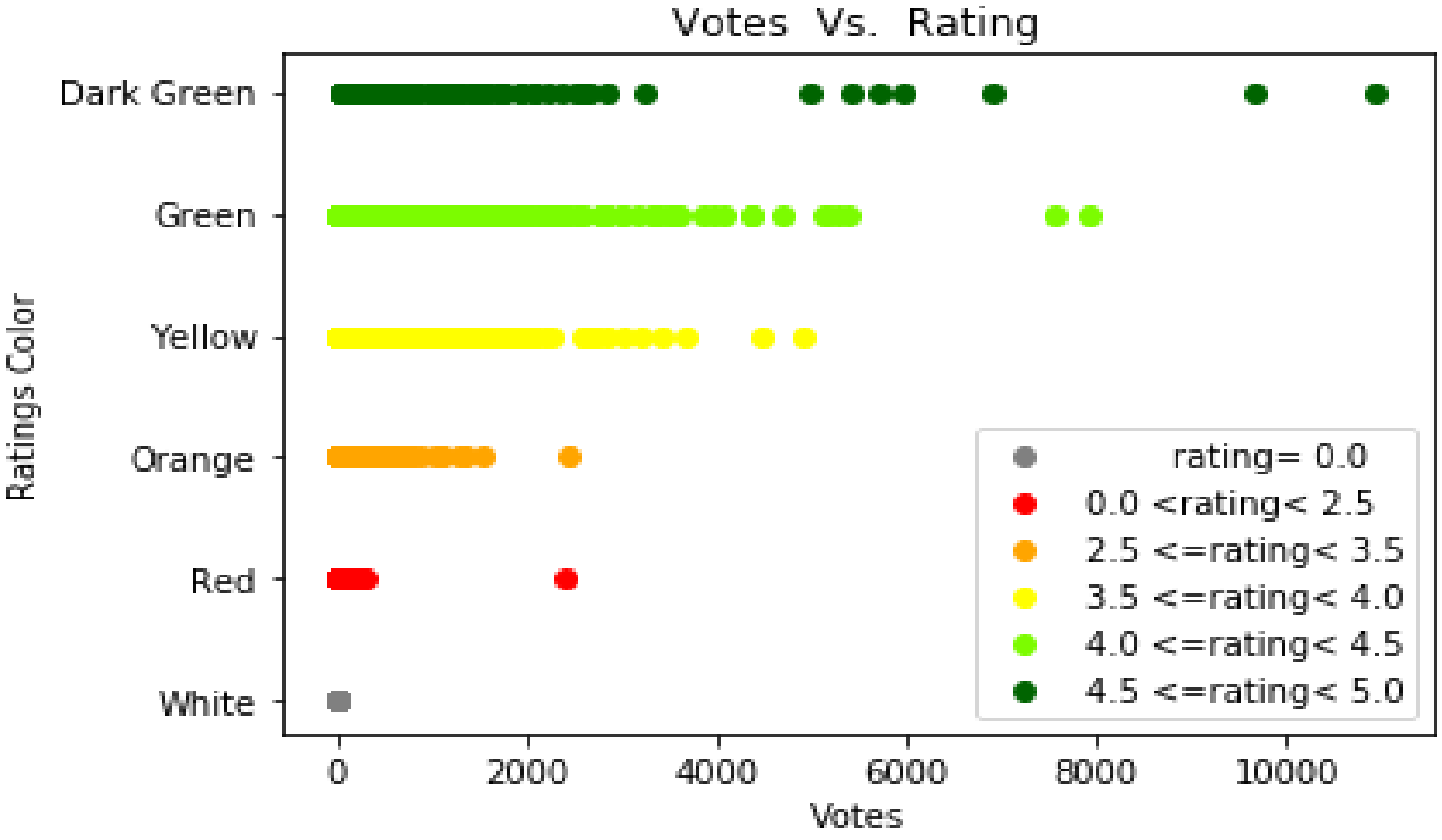

TOP 10 CUISINES in Rest Of INDIA
No. of Restaurants
0
50
100
150
200
250
300
350
North Indian
Chinese
Continental
Italian
Cafe
Fast Food
South Indian
Mughlai
Desserts
Mexican
Types of Cuisines

QUESTION – 2

2.1.1

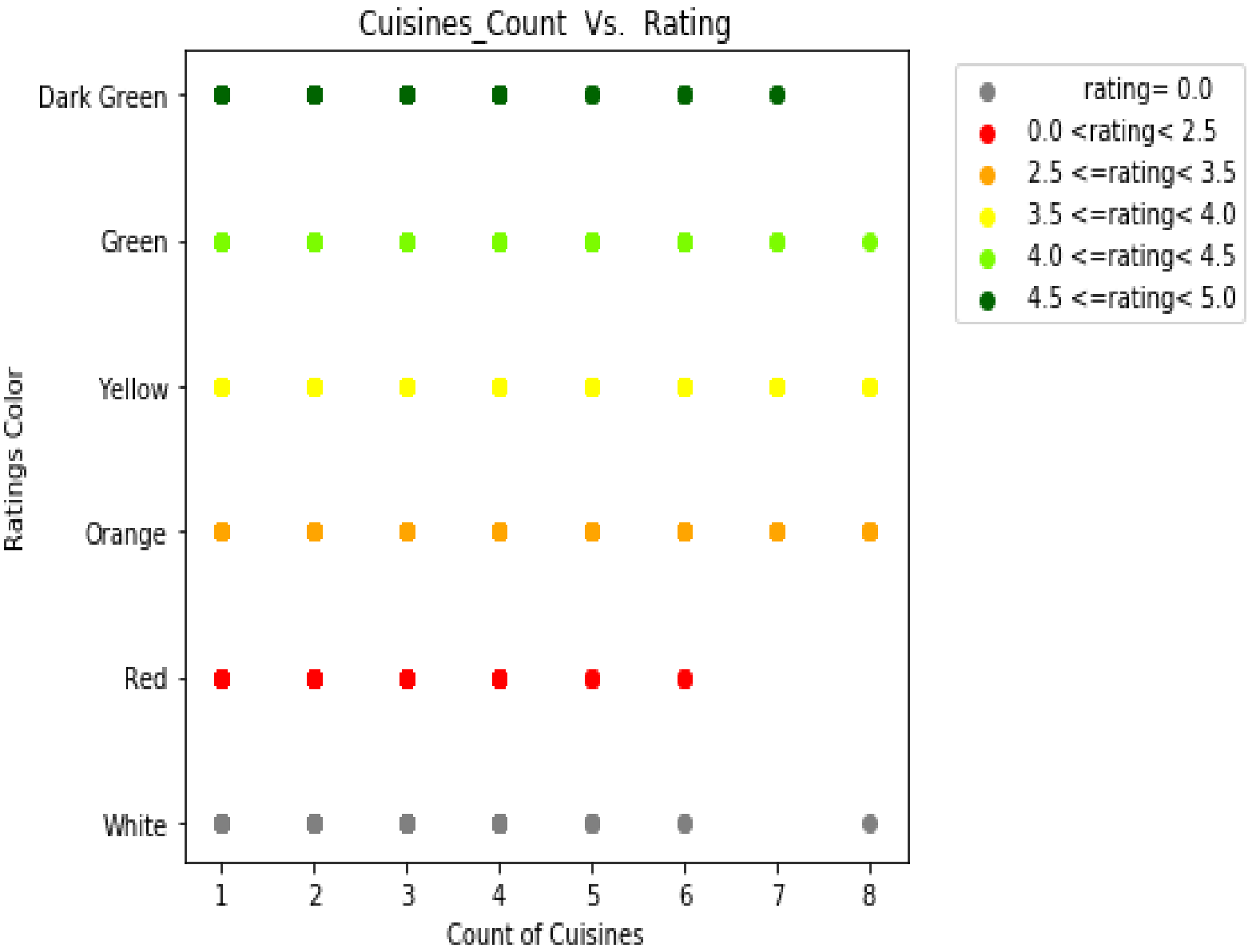
INFERENCE: Restaurants with more votes have generally high rating, as in graph we have no or less points in white, red, orange region for **HIGHER number of Votes.**

Restaurants with less votes can be good as well as bad, as they cover ratings range from low to high.



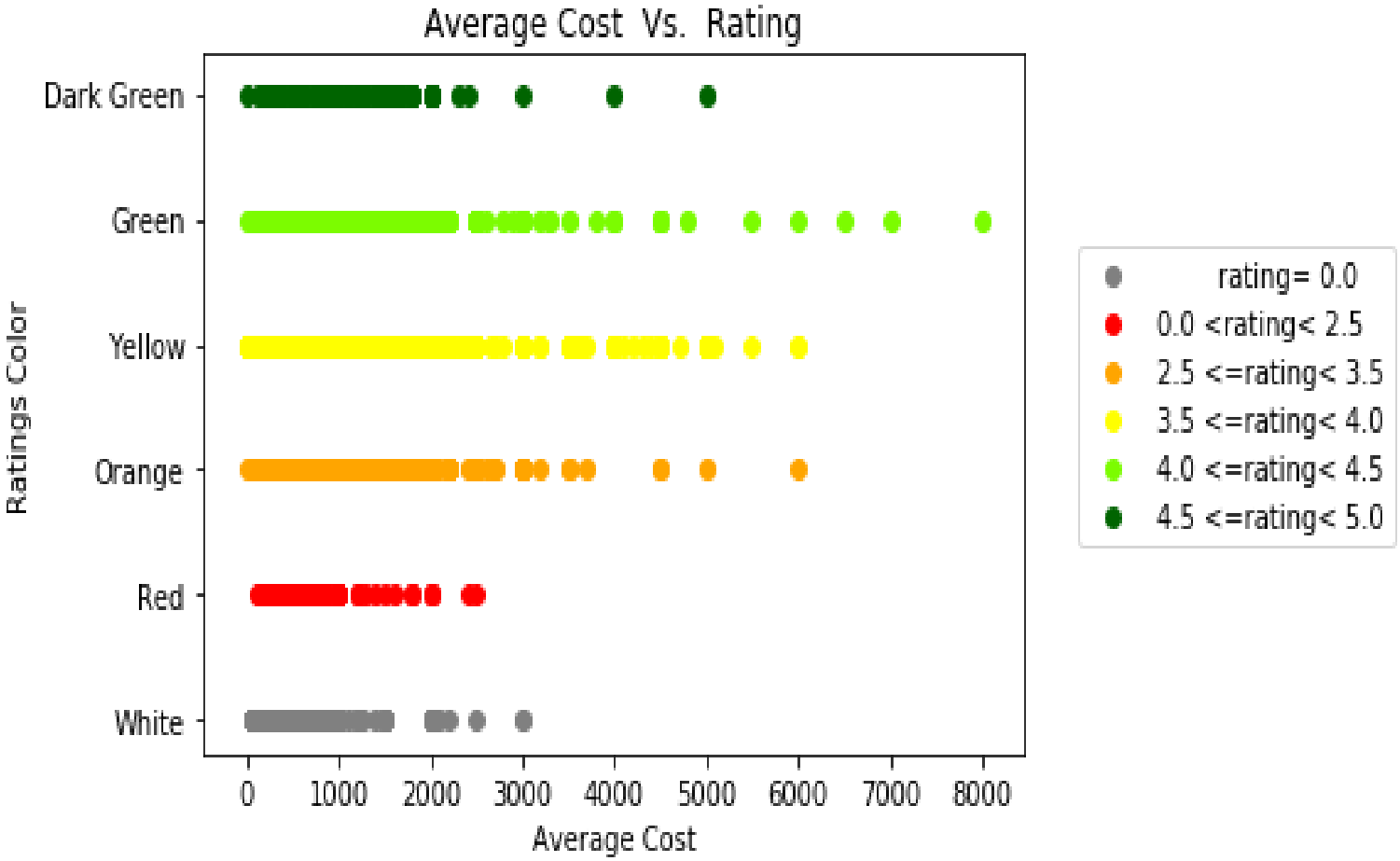
2.1.2

INFERENCE : It is clear from plot that number of cuisines served by a restaurant does not effect the rating of restaurant, as in plot, we have points of almost all color corresponding to count of cuisines.



2.1.3

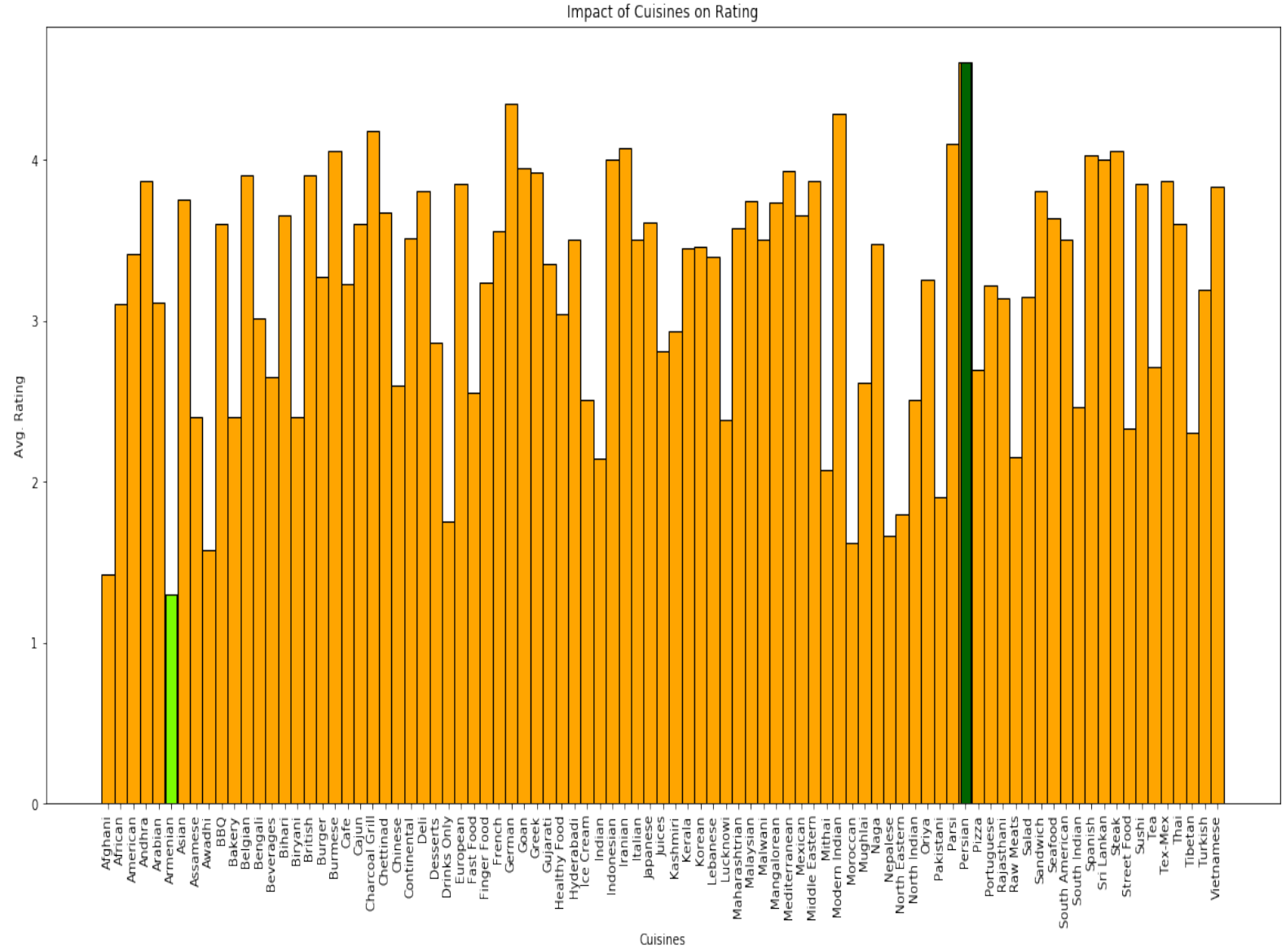
INFERENCE : Restaurants having average cost in the range Rs. 3500 to Rs. 5000 have mostly good ratings.
Restaurants with lower average cost also have good ratings but these restaurants have poor ratings also.
Restaurants with higher average cost have good ratings.



2.1.4

INFERENCE : 1. Restaurants serving “Persian” cuisine have highest rating.

2. Restaurants serving “Armenian” cuisine have lowest rating.

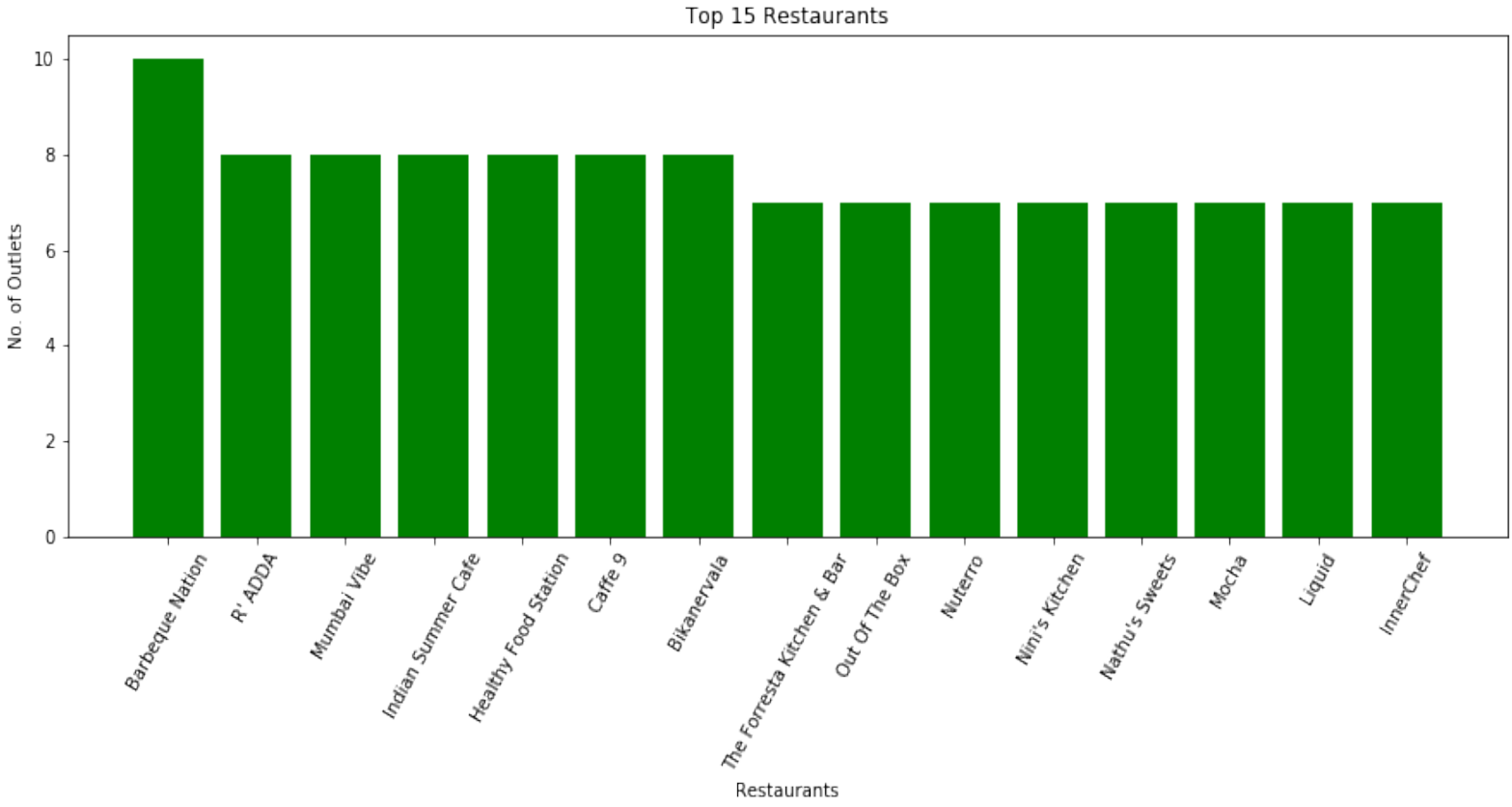


2.2.1

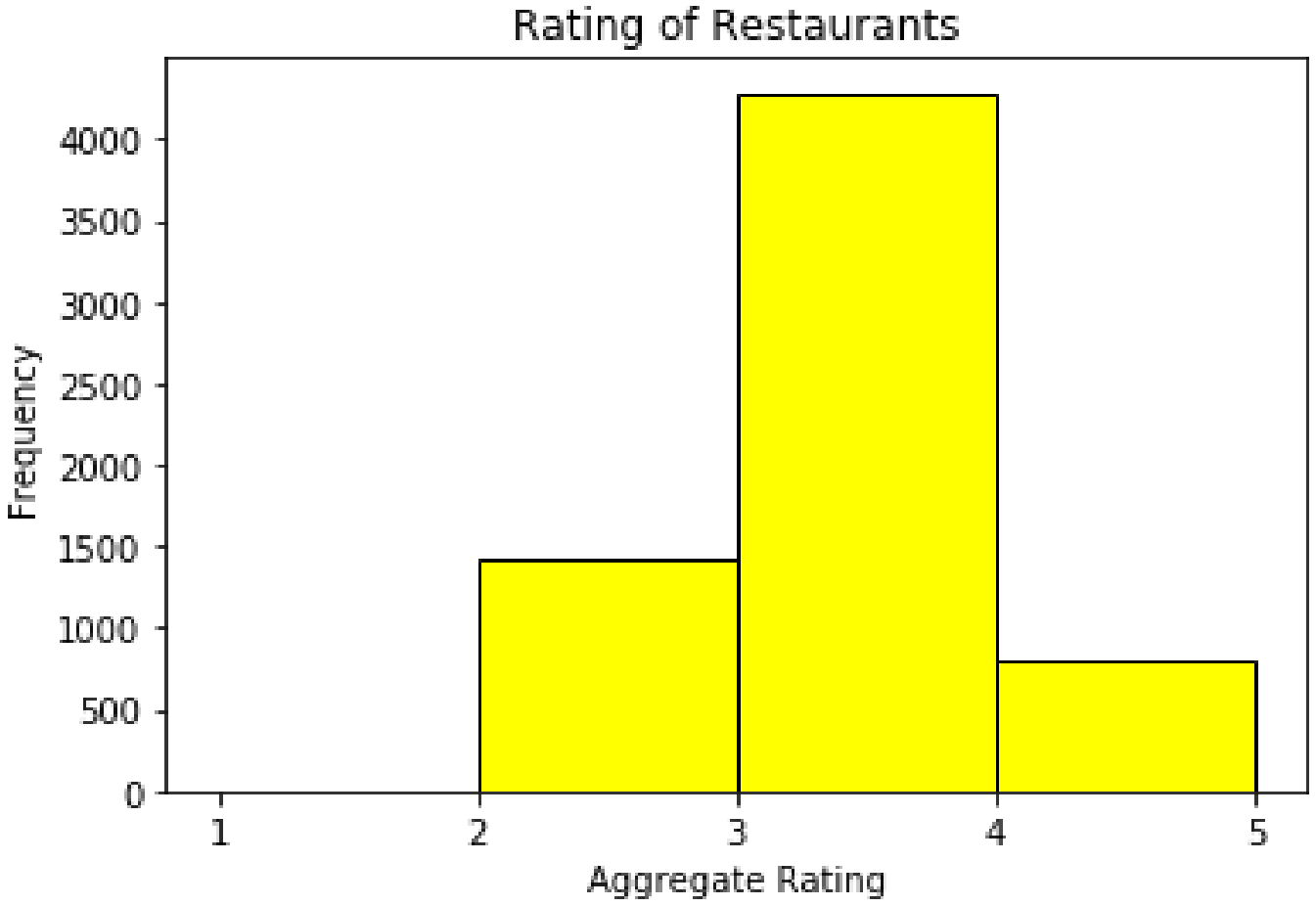
LOCALITY	WEIGHTED RESTAURANT RATING
Aminabad	4.90
Friends Colony	4.89
Express Avenue Mall, Royapettah	4.80
Deccan Gymkhana	4.80
Sector 5, Salt Lake	4.71
Chittoor Road	4.60
Arambol	4.60
Marathahalli	4.58
Anjuna	4.54
Ellis Bridge	4.44

QUESTION --- 3

3.1 RESTAURANTS Vs. NO. OF OUTLETS

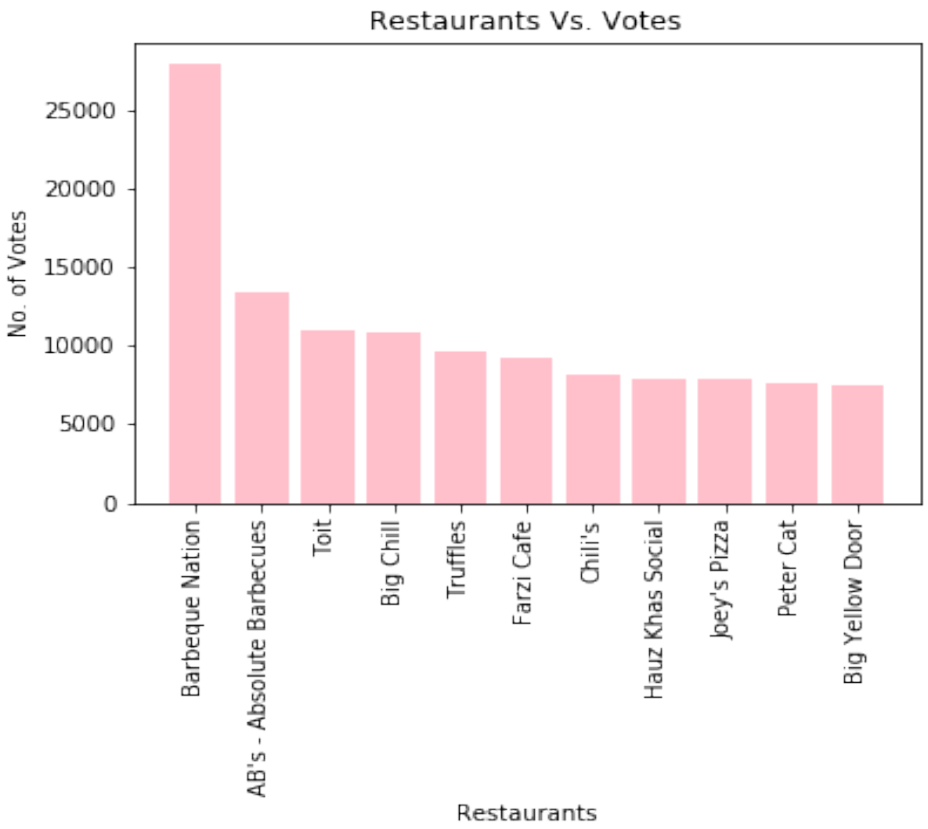


3.2	RATINGS	FREQUENCY
	1-2	3
	2-3	1420
	3-4	4282
	4-5	808

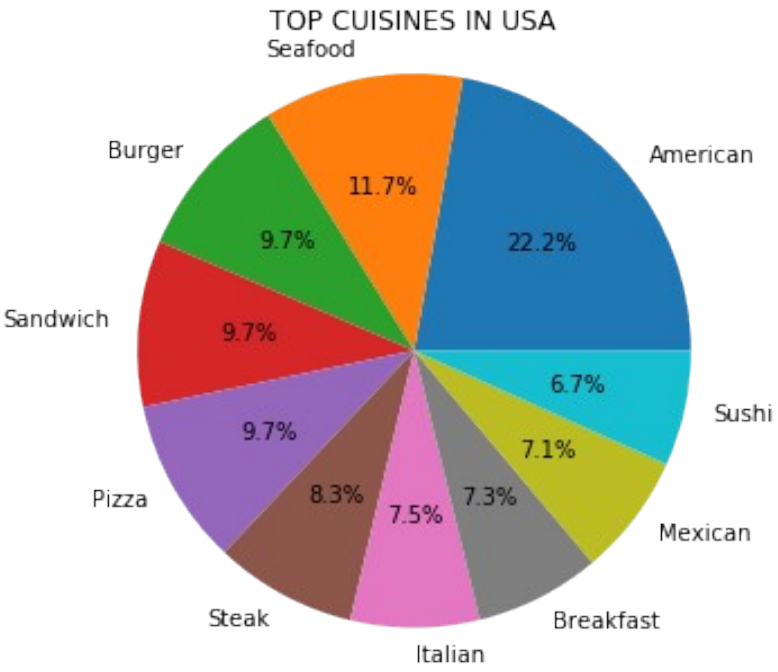


3.3	RESTAURANT	NO. OF VOTES
	Barbeque Nation	27835
	AB's - Absolute Barbecues	13400
	Toit	10934
	Big Chill	10853
	Truffles	9682
	Farzi Cafe	9189
	Chili's	8156
	Hauz Khas Social	7931
	Joey's Pizza	7807
	Peter Cat	7574

BAR GRAPH:



3.4	CUISINES	NO. OF RESTAURANTS
	American	112
	Seafood	59
	Burger	49
	Sandwich	49
	Pizza	49
	Steak	42
	Italian	38
	BreakFast	37
	Mexican	36
	Sushi	34



3.5

1. Since given Dataset is skewed towards Delhi NCR, therefore I plotted graphs separately for Delhi NCR and Rest of India.
2.Otherwise, representation would not be helpful in getting insights from data.
3.Sizes of bubble may not reflect weighted rating of restaurant as these are very close.
4.But slight change in Colors of bubbles definitely show difference in their sizes