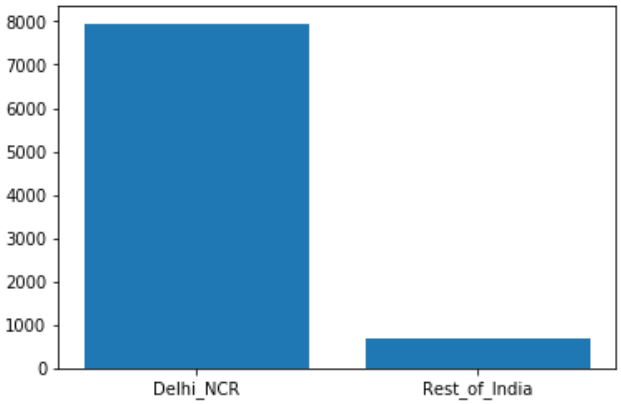
Plots And Explanations

(A) The dataset is highly skewed toward the cities included in Delhi-NCR. So, we will summarise all the other cities in Rest of India while those in New Delhi, Ghaziabad, Noida, Gurgaon, Faridabad to Delhi-NCR. Doing this would make our analysis turn toward Delhi-NCR v Rest of India.

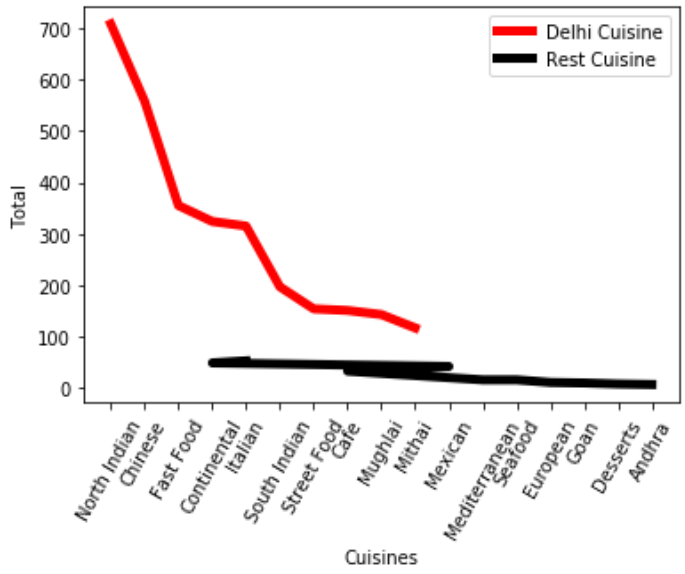
1. Plot the bar graph of number of restaurants present in Delhi NCR vs Rest of India.



Explanations

- It is the graph of the number of restaurants available in Delhi NCR and Rest of India.
- In the Delhi NCR the five cities comes under are New Delhi, Ghaziabad, Noida, Gurgaon, Faridabad.
- As we see from the graph that in Delhi NCR there are so many number of restaurants.

2. Write a short-detailed analysis of how cuisine served is different from Delhi NCR to Rest of India. Plot the suitable graph to explain your inference.



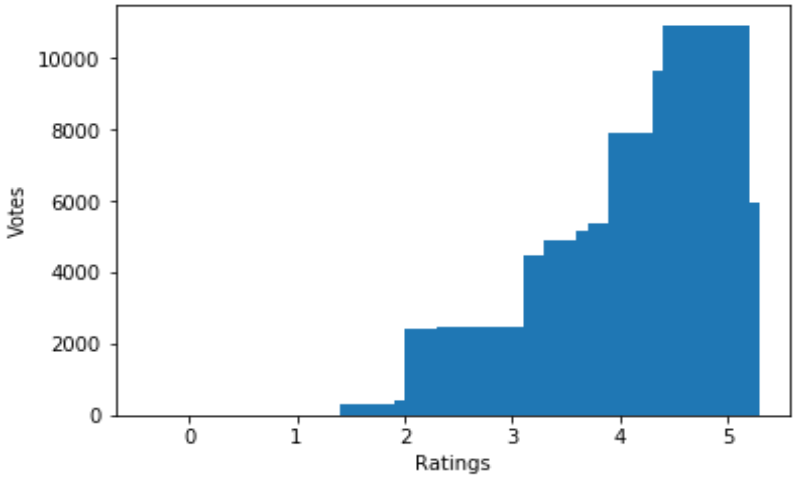
Explanations

- It is the graph between top cuisines of Delhi NCR and Rest of India vs the count of that cuisines in different restaurants.
- As we observe from the graph that Delhi NCR top cuisines are in many number of different restaurants.
- But corresponding to the that rest of India top cuisines count is less as compare to Delhi NCR , count less means in rest of India these top cuisines are in less number of restaurants.

(B)User Rating of a restaurant plays a crucial role in selecting a restaurant or ordering the food from the restaurant.

(B.1) Write a short detail analysis of how the rating is affected by restaurant due following features: Plot a suitable graph to explain your inference.

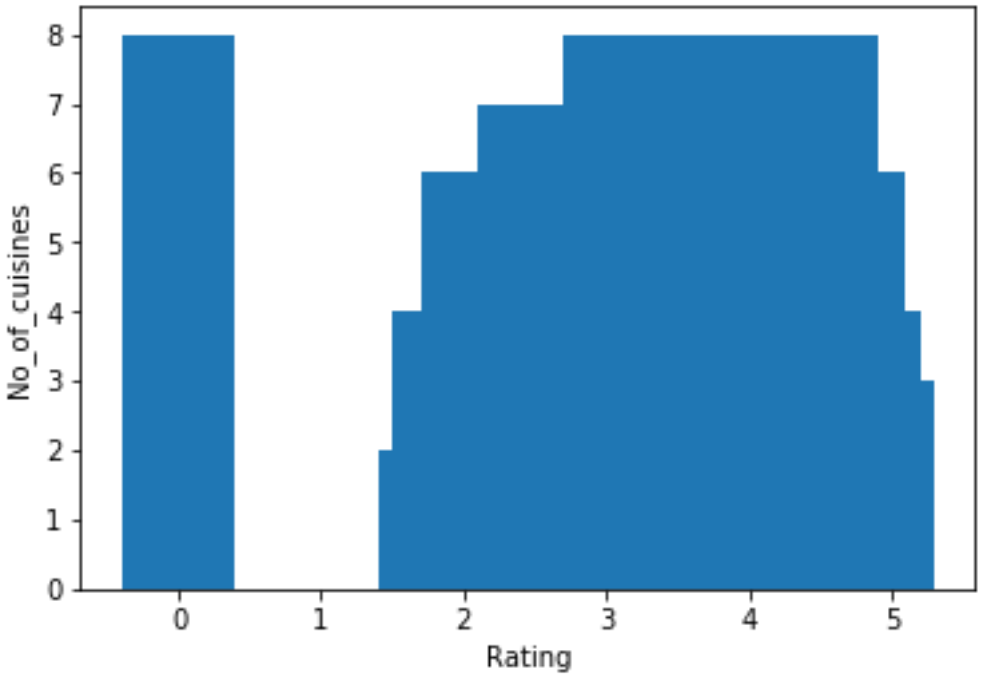
1. Number of Votes given Restaurant



Explanations

- It is the graph between the vote's vs rating of all restaurants.
- As we see in the graph that as the number of votes is increasing to a restaurant then the correspondingly its rating is also increases.
- So, more the number of votes more is the rating of the restaurant.

2. Restaurant serving more number of cuisines.

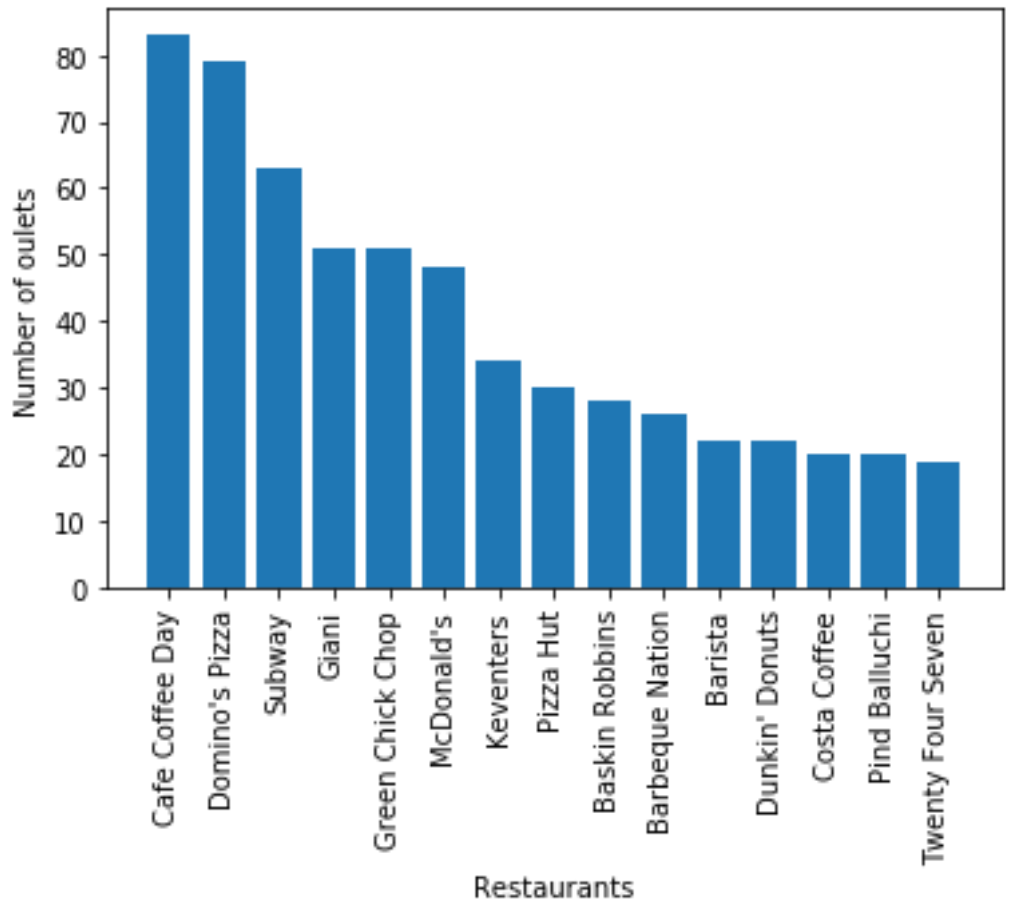


Explanations

- It is the graph between the rating vs number of cuisines any restaurant has.
- We plot a graph to see is the rating depends upon the number of cuisines.
- So, from this plot we see that things that how the rating is depend upon the number of cuisines each restaurant have.

(C) Visualization

1. Plot the bar graph top 15 restaurants have a maximum number of outlets.

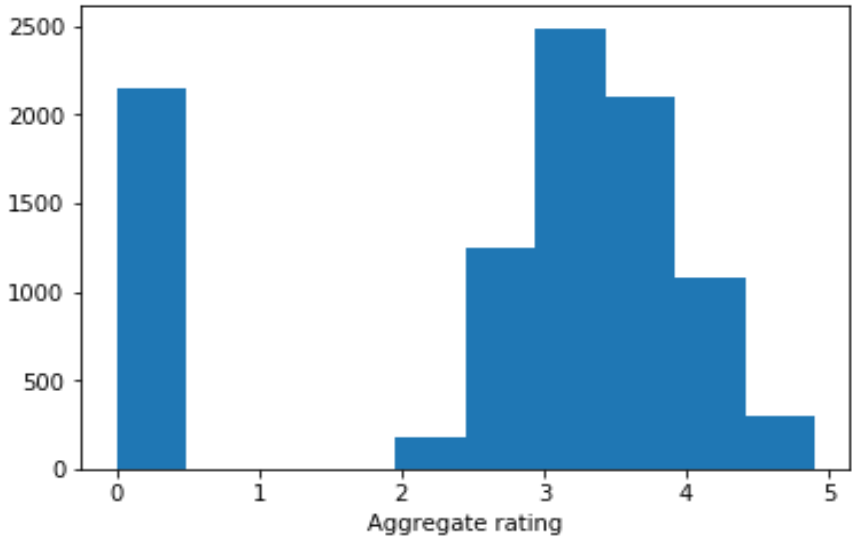


Explanations

- It is the graph between the top 15 restaurants which is having maximum number of outlets.

- We see from graph that Cafe coffee day has maximum number of outlets.

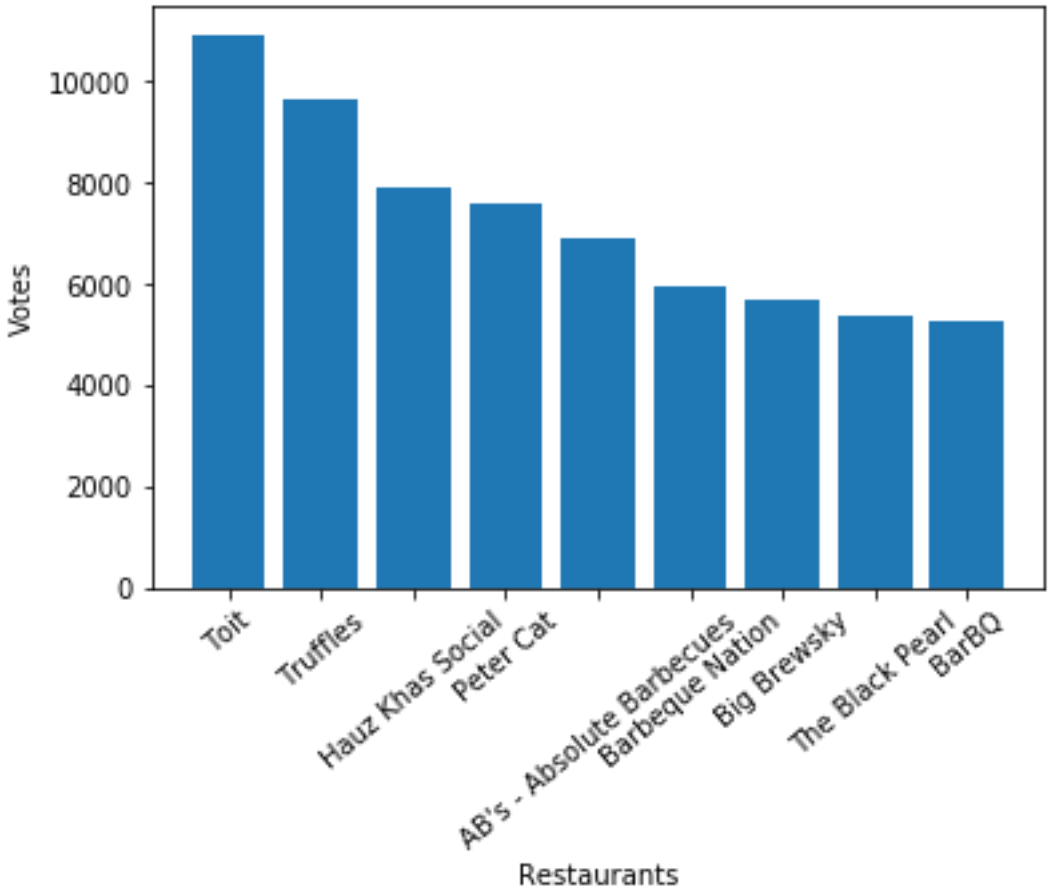
2. Plot the histogram of aggregate rating of restaurant (drop the unrated restaurant).



Explanations

- It is the histogram of aggregate rating.
- Through this histogram we observe that maximum number of restaurants have rating between 3 to 4.

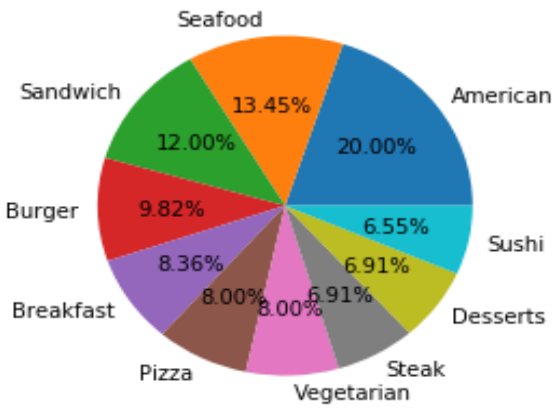
Plot the bar graph top 10 restaurants in the data with the highest number of votes.



Explanations

- It is the graph between top 10 restaurants having highest number of votes.
- As we see from the graph Toit is the restaurant having maximum number of votes.

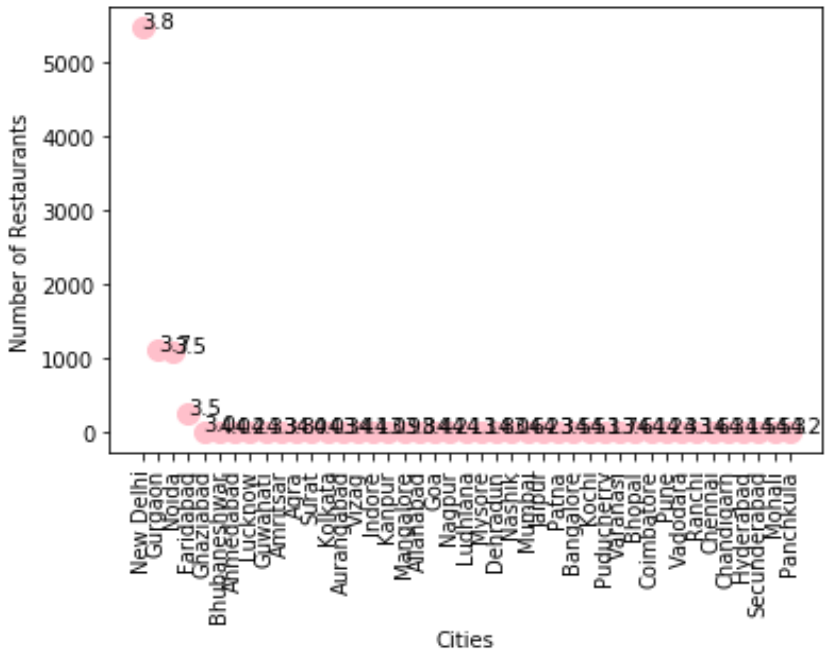
4. Plot the pie graph of top 10 cuisines present in restaurants in the USA.



Explanations

- It is pie chart representing top cuisines in USA.
- It is representing the top cuisines means which is available in more number of restaurants.
- As we see from the pie chart that American cuisine at highest in the pie chart which means this cuisine is available in more number of restaurants.

5. Plot the bubble graph of a number of Restaurants present in the city of India and keeping the weighted restaurant rating of the city in a bubble.



Explanations

- It is the graph between the number of cities vs the number of restaurants.
- In this graph represent each city of India have how many number of restaurants in it.
- So from graph we observe that New Delhi has the maximum number of restaurants.
- And it's the Bubble Graph.
- In which I put all the weighted restaurant rating in the bubble.