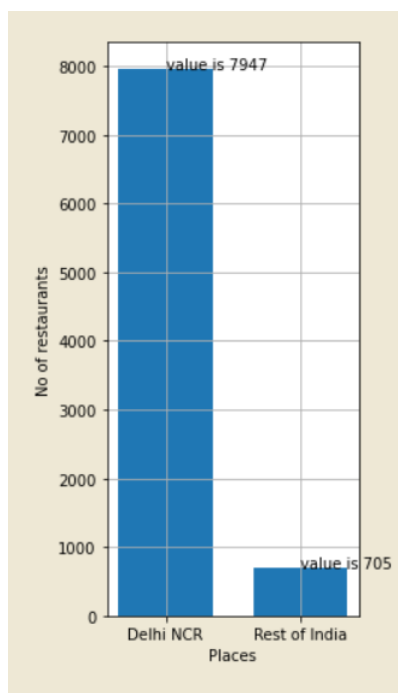# VAQUAR SHAIKH

PROJECT REPORT

ZOMATO API

QUESTION 1: 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.

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

JUSTIFICATION :

I have taken the input of csv file in pandas . This project is highly skewed to Indian cities especially Delhi NCR . Country code of India is 1 . The five cities mentioned of Delhi NCR are New Delhi , Gurgaon , Noida , Faridabad and Ghaziabad . Calculated the total number of restaurants in these five cities as one unit and rest of the cities as other unit , summed them up and plotted a graph of with x axis as cities and y axis as number of restaurants .

INFERENCE:

Number of restaurants in Delhi NCR are 7497 and Rest of India are 705.

1.2 Find the cuisines which are not present in restaurant of Delhi NCR but present in rest of India. Check using Zomato API whether this cuisines are actually not served in restaurants of Delhi-NCR or just it due to incomplete dataset.

JUSTIFICATION:

Obtained a dataframe of 2 units . First unit comprises of cities in Delhi NCR . The second one comprises of cities not in Delhi NCR . Obtained the cuisines of each and every unit separately as individual values as every restaurant serves more than one cuisine . Obtained the intersection of both the units then subtracted the intersection from the set of cities not in India , hence obtained the cuisines not present in Delhi NCR but present in rest of India .

NO GRAPH FOR GIVEN QUESTION .

INFERENCE .

Cuisines BBQ , Malwani , German , Cajun are not present in Delhi NCR , although , the cuisines of Malwani and BBQ were found to be present in Zomato api , hence the dataset is incomplete .

1.3 Find the top 10 cuisines served by maximum number of restaurants in Delhi NCR and rest of India.

JUSTIFICATION :

Calculated separately for Delhi NCR and Rest of India . Maintained separate and plain dictionary for both of them . Keys denoting the type of cuisine and value denoting the number of restaurants serving the given cuisine .

INFERENCE :

TOP 10 CUISINES IN REST OF INDIA .

['North Indian', 349]
['Chinese', 242]
['Continental', 177]
['Italian', 147]
['Cafe', 136]
['Fast Food', 97]
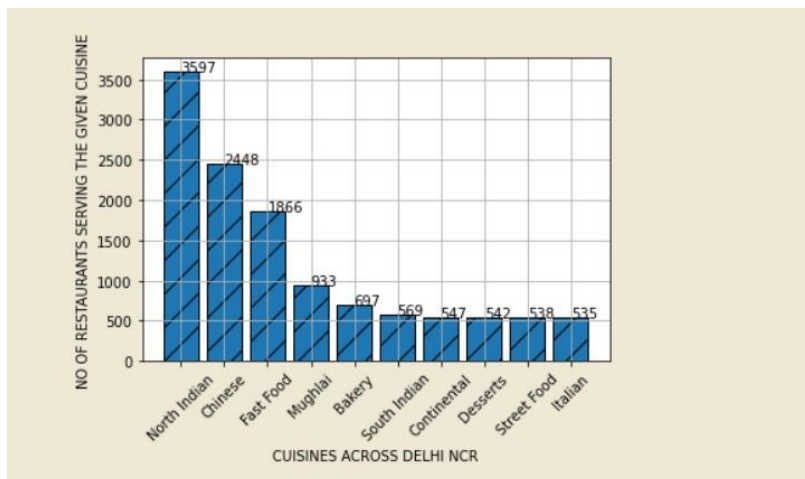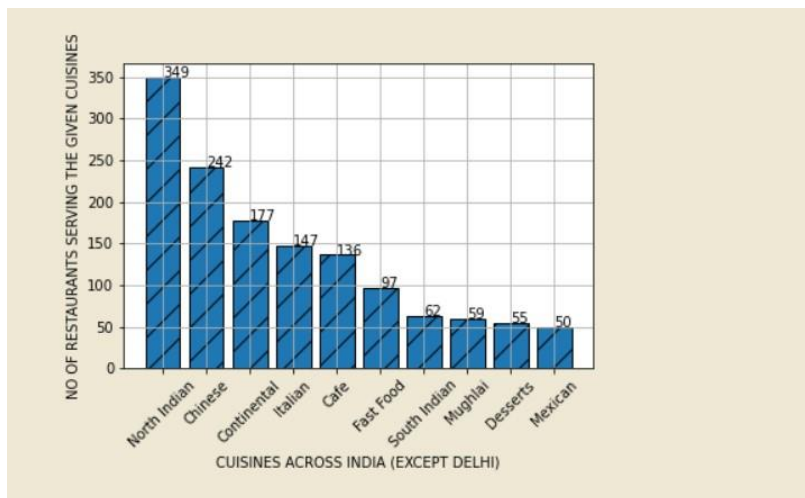['South Indian', 62]
['Mughlai', 59]
['Desserts', 55]
['Mexican', 50]

TOP 10 CUISINES IN DELHI NCR .
['North Indian', 3597]
['Chinese', 2448]
['Fast Food', 1866]
['Mughlai', 933]
['Bakery', 697]
['South Indian', 569]
['Continental', 547]
['Desserts', 542]
['Street Food', 538]
['Italian', 535]

1.4 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.

JUSTIFICATION :

Used the previous values in previous question . Maintained a list for cuisines in Delhi NCR and number of outles and Cuisines in rest of India and outlets serving the given cuisine .

INFERENCE :

SIMILARITIES:

It has been observed that The cuisines 'North Indian' and 'Chinese' are the top two cuisines

in DelhiNCR and rest of India . With Delhi NCR having 3597 outlets of north indian cuisine

and 2448 outlets serving chinese cuisine . The cuisine 'South Indian' shares a place in top 10

in both the places , just the difference is in the positioning . South Indian cuisine is at the

sixth place in Delhi Ncr with 569 outlets while at the seventh place in rest of India with 62 outlets.

DIFFERENCES :

The cuisines of baker in Delhi Ncr which grabs the fifth position is absent in the restaurants

across India.Street food cuisine as well is absent in cuisines not in delhi ncr.

The Italian cuisine in Delhi NCR grabs the 10th position while it is absent in rest of India