

Project

DATA ANALYSIS INTERNSHIP PROJECT

- Cognifyz Technologies is a leading technology company that specializes in the dynamic field of data science and excels in delivering impactful projects and solutions.
- The company offers a wide range of products and services, including artificial intelligence (AI), machine learning (ML), and data analytics tools.
- Cognifyz Technologies also provides training programs to enhance skills and knowledge in these areas.
- The company focuses on delivering innovative and cutting-edge solutions to meet the evolving needs of businesses.



Level 1

Task 1

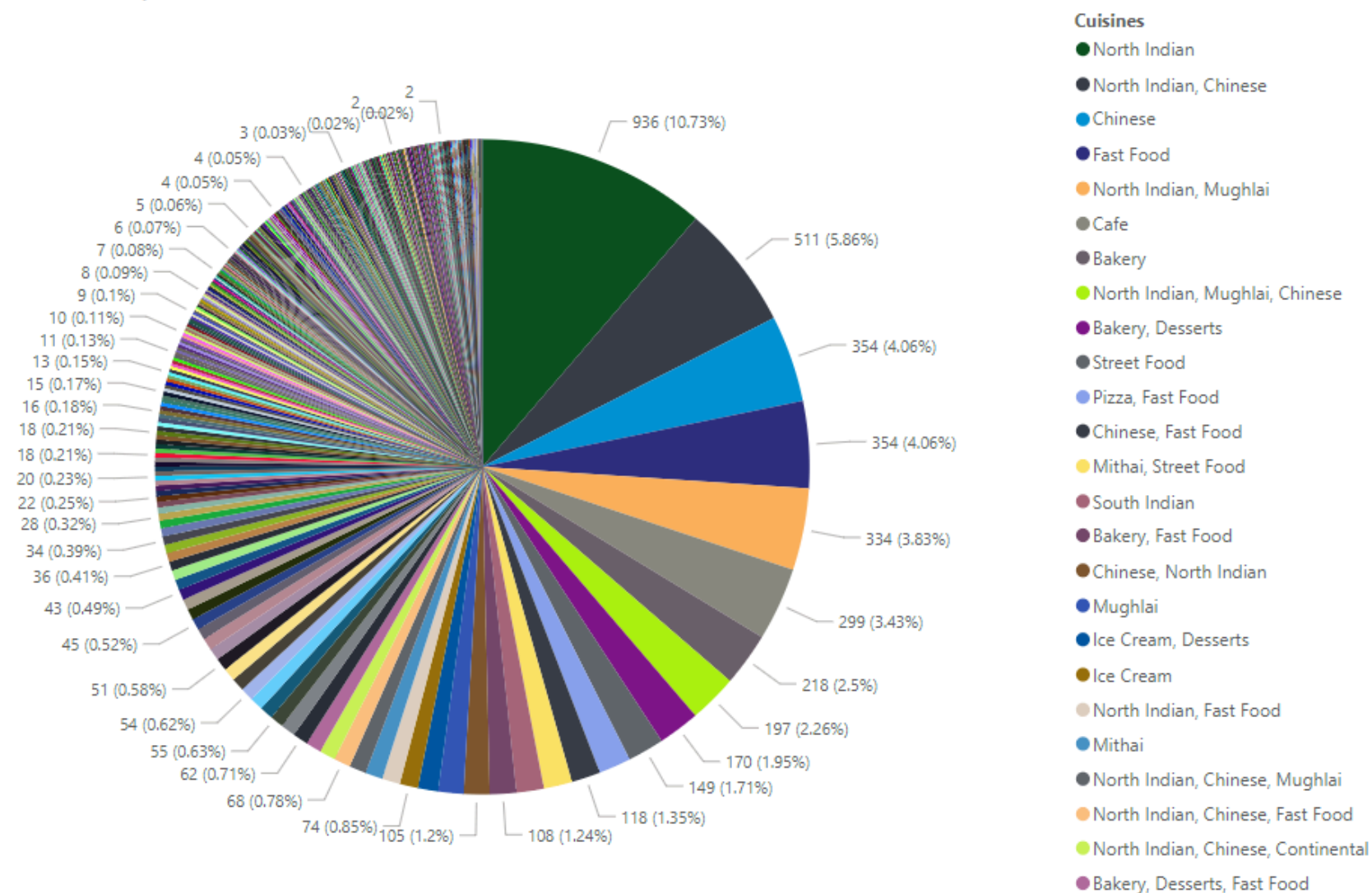
Task: Top Cuisines

Determine the top three most common cuisines in the dataset.

Calculate the percentage of restaurants that serve each of the top cuisines.



Count of Restaurant ID by Cuisines



Top three most common cuisines in the data set are:-

**1). North Indian
percentage=10.73%**

**2). North Indian, Chinese
percentage=5.86%**

**3). Chinese
percentage=4.06%**

Level 1

Task 2



Task: City Analysis

Identify the city with the highest number of restaurants in the dataset.

Calculate the average rating for restaurants in each city.

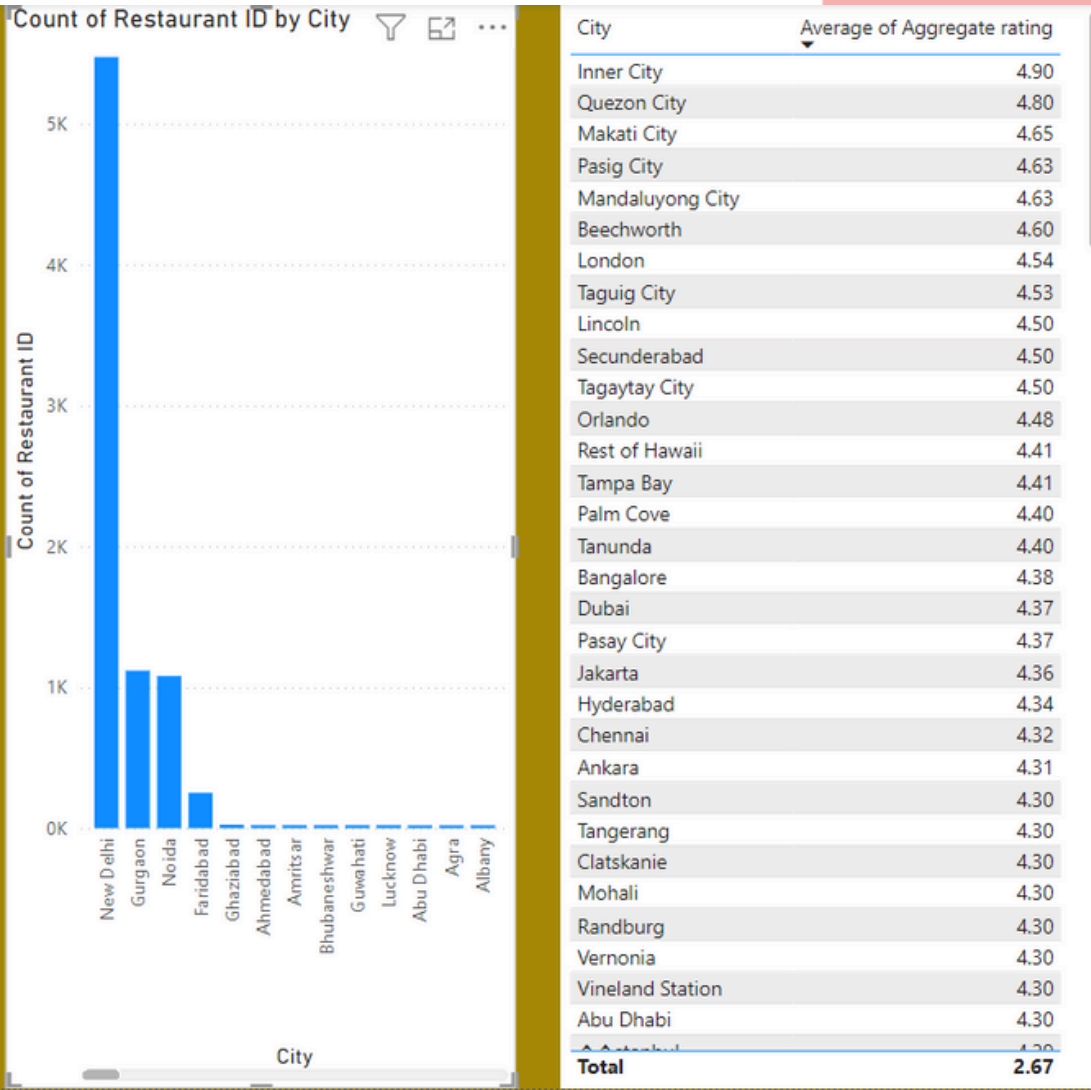
Determine the city with the highest average rating.



The city with highest number of restaurant in the dataset is

“NEW DELHI”

Average rating for restaurants in each city is
2.67



City with the highest number of average rating is
“INNER CITY”
with an average rating of
4.90

Level 1

Task 3



Task: Price Range Distribution

Create a histogram or bar chart to visualize the distribution of price ranges among the restaurants.

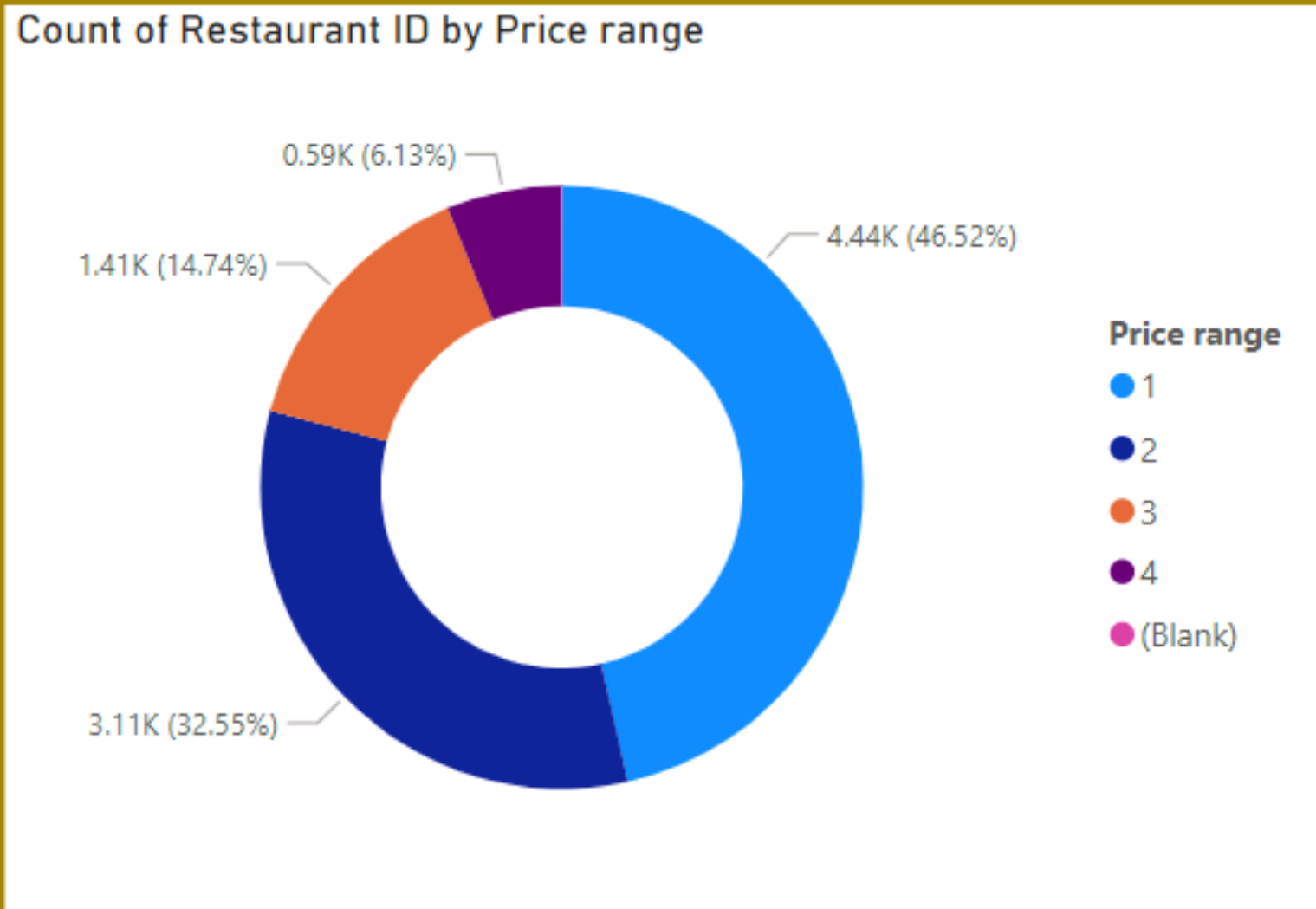
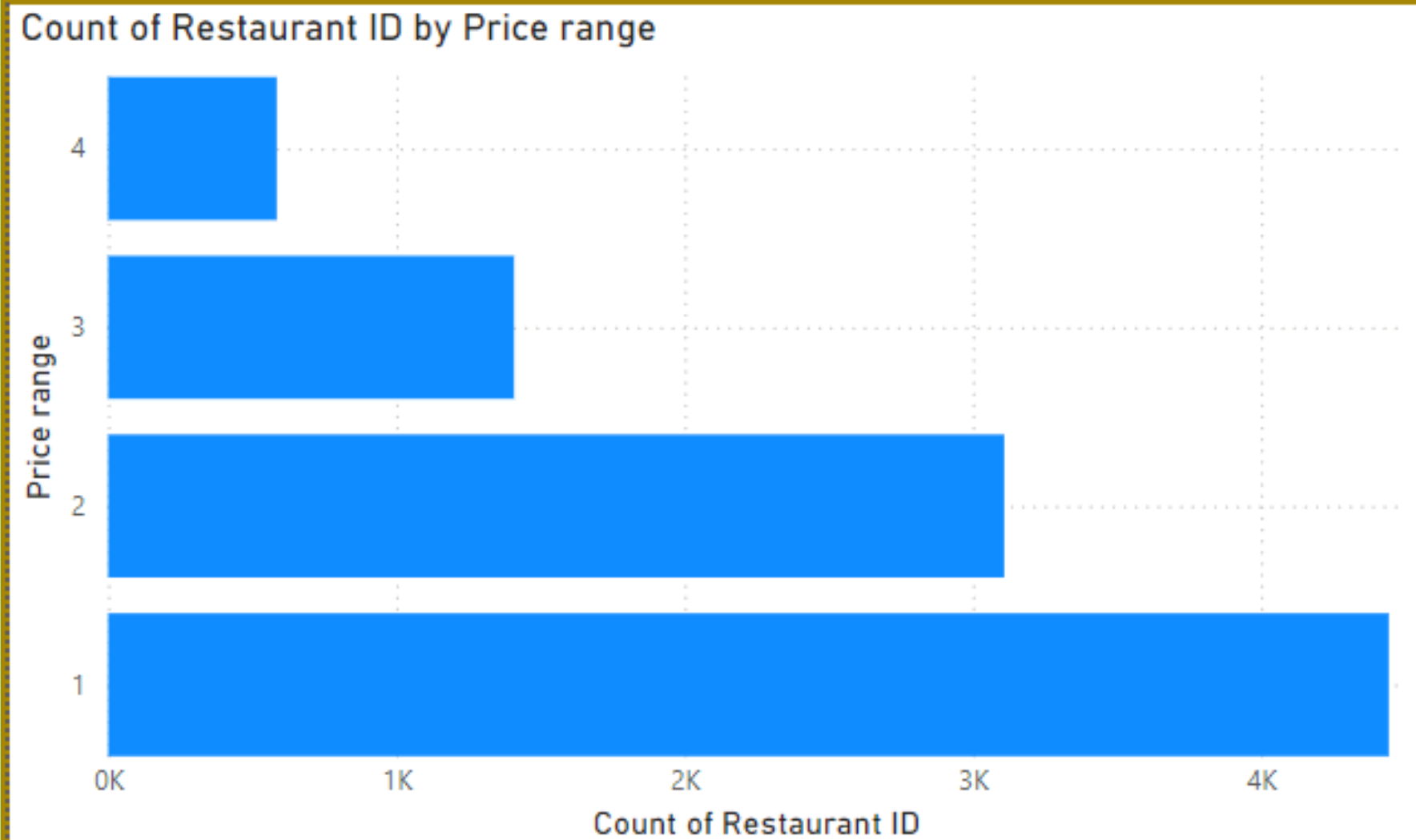
Calculate the percentage of restaurants in each price range category.



maximum number of restaurant is in price range 1

Percentage of restaurant in each price range are:-

- 1=46.52%
- 2=32.55%
- 3=14.74%
- 4=6.13%
- 5=0.00%



Level 1

Task 4



Task: Online Delivery

Determine the percentage of restaurants that offer online delivery.

Compare the average ratings of restaurants with and without online delivery.

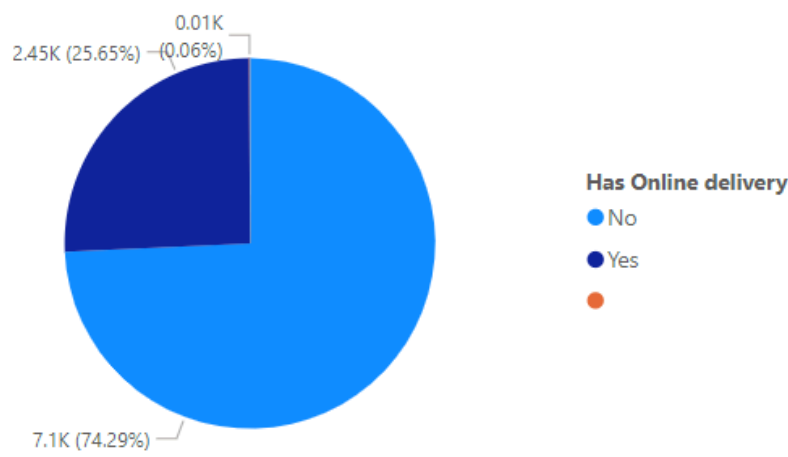


The Percentage of restaurent that offer online delivery are:-
74.29%

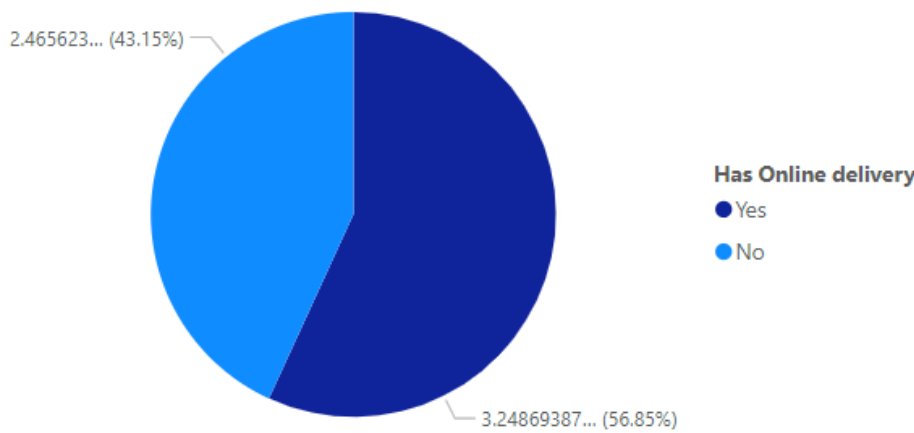
Average ratings of restaurent with online delivery are
56.85%

while the average rating of restaurent which o not have online rating are
43.15%

Count of Restaurant ID by Has Online delivery



Average of Aggregate rating by Has Online delivery



Level 2

Task 1



Task: Restaurant Ratings

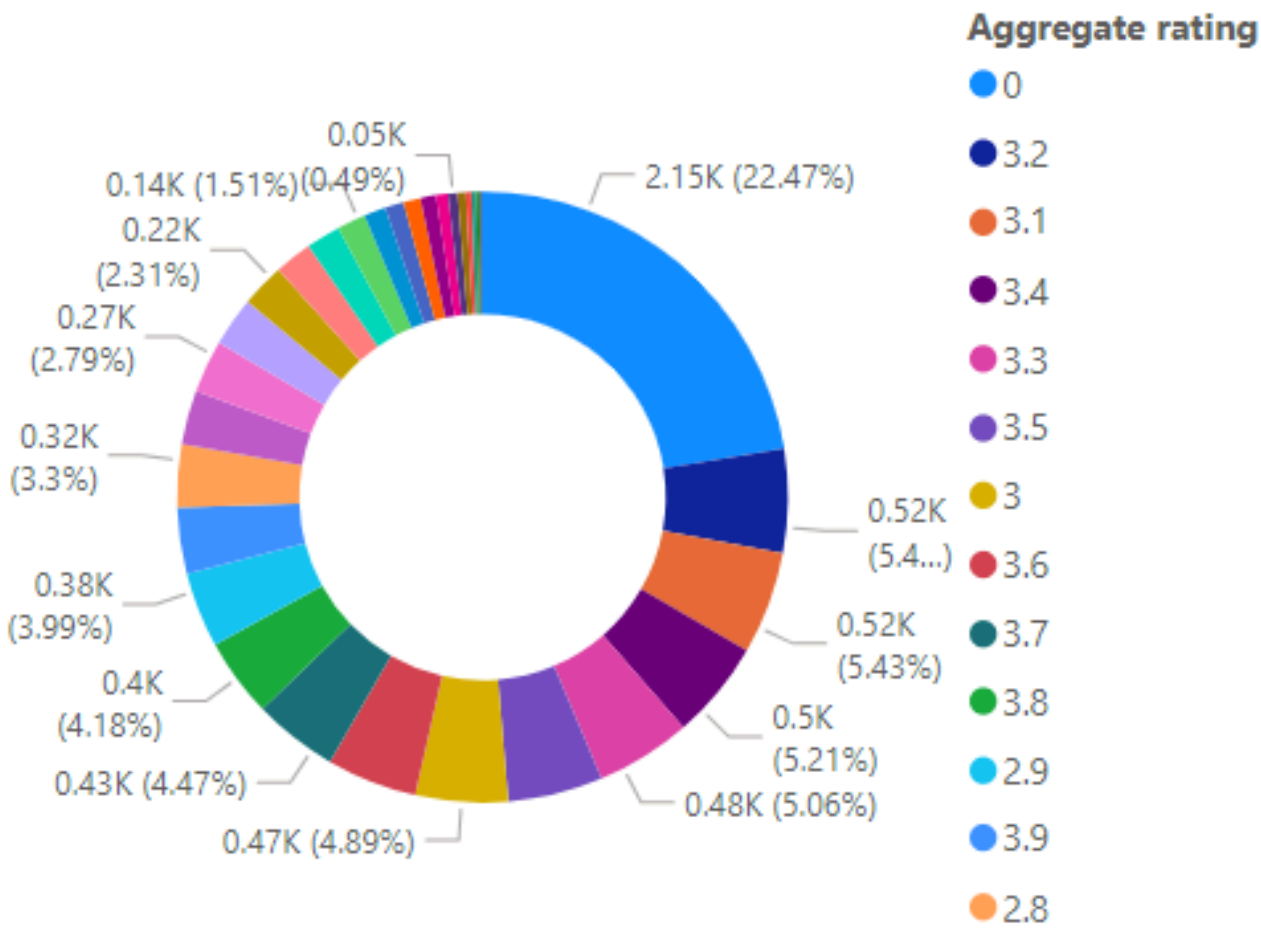
Analyze the distribution of aggregate ratings and determine the most common rating range.

Calculate the average number of votes received by restaurants.



most common
rating range is
3.2

Count of Restaurant ID by Aggregate rating



156.99
Average of Votes

average number
of votes is
156.99

Level 2

Task 2



Task: Cuisine Combination

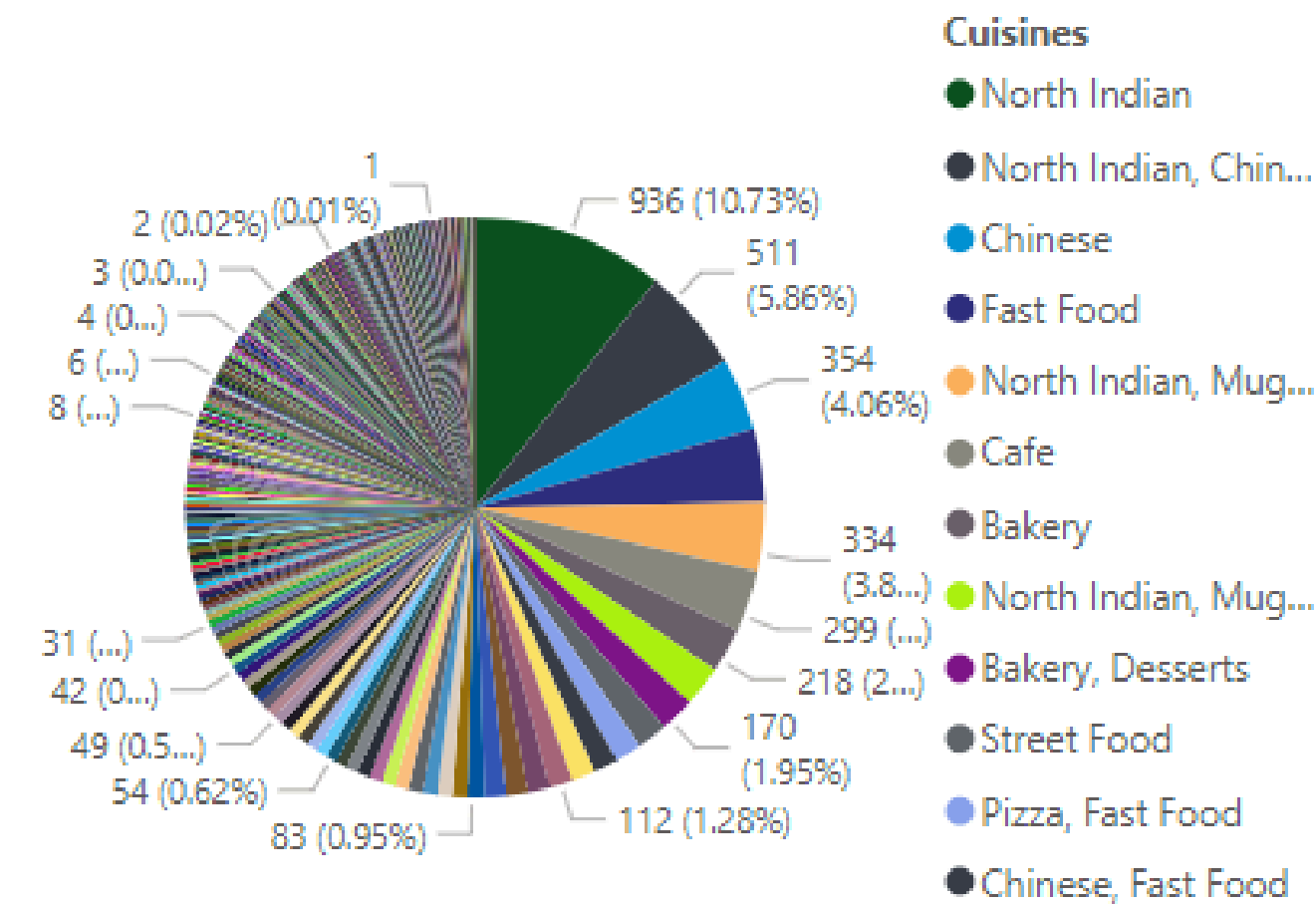
Identify the most common combinations of cuisines in the dataset.

Determine if certain cuisine combinations tend to have higher ratings.

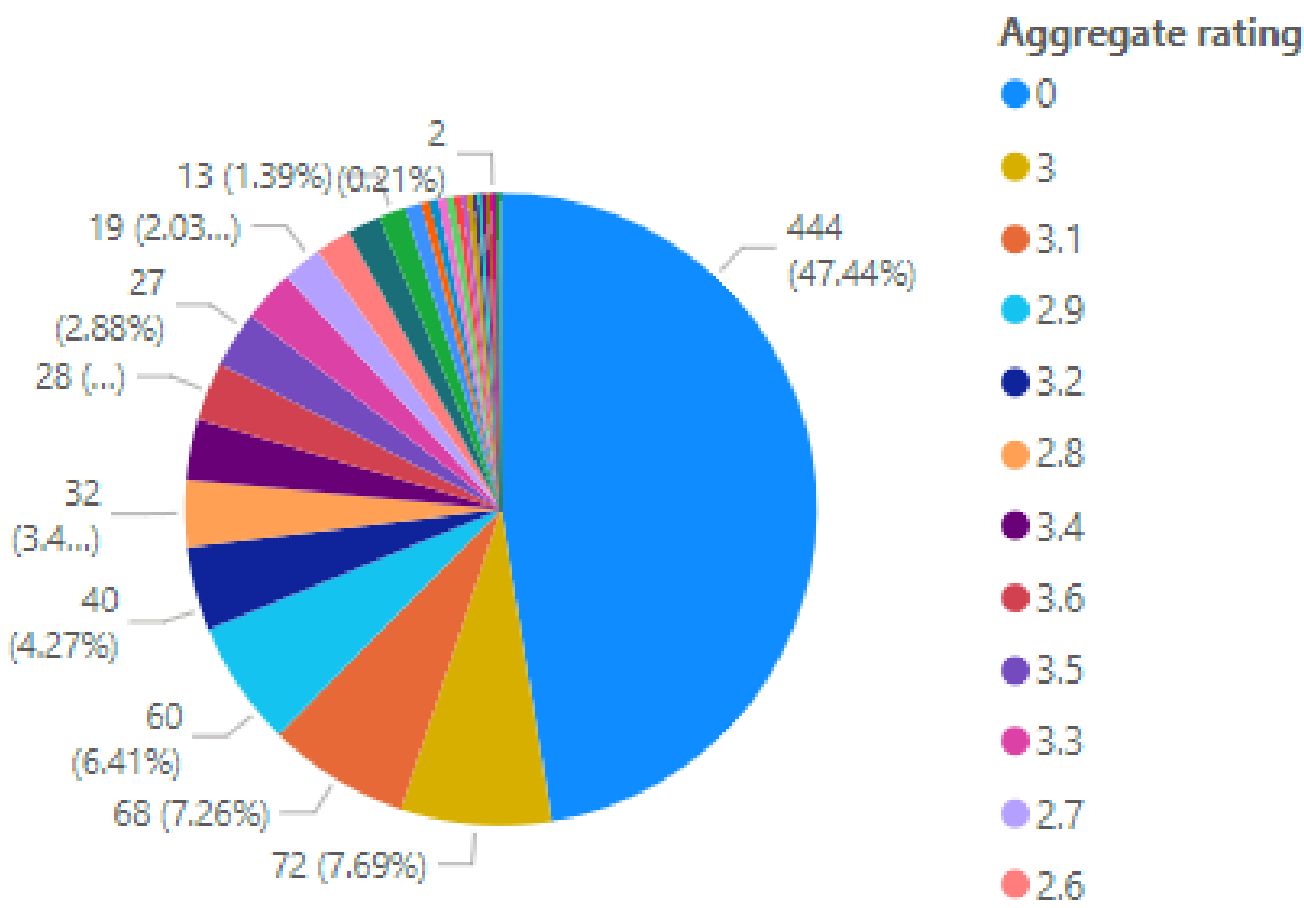


most common combination
of cuisiness in the dataset
is NORTH INDIAN and is 10.75%

Count of Restaurant ID by Cuisines



Count of Restaurant ID by Aggregate rating and Cuisines



NO ,
North Indian
cuisine
did not have
high ratings

Level 2

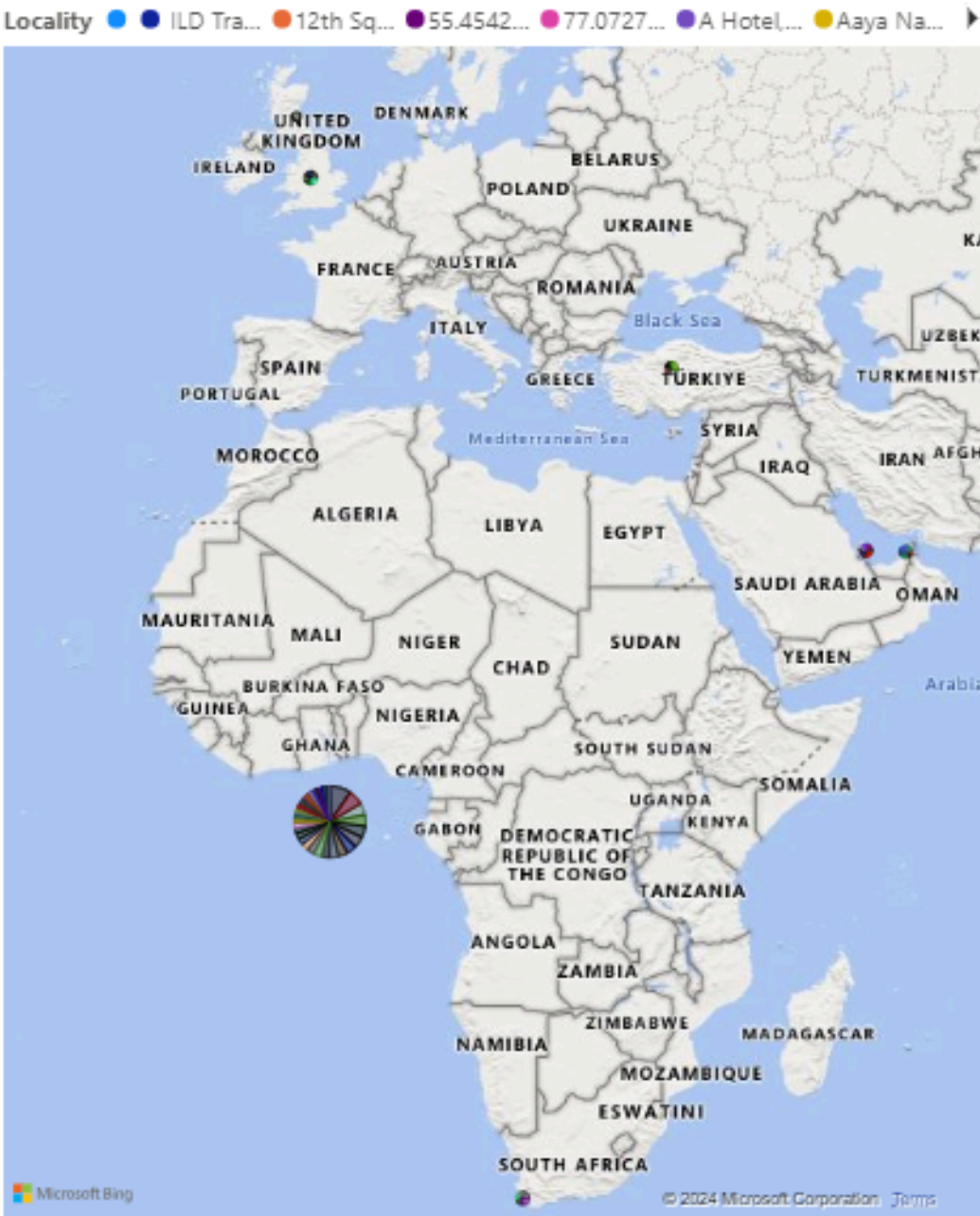
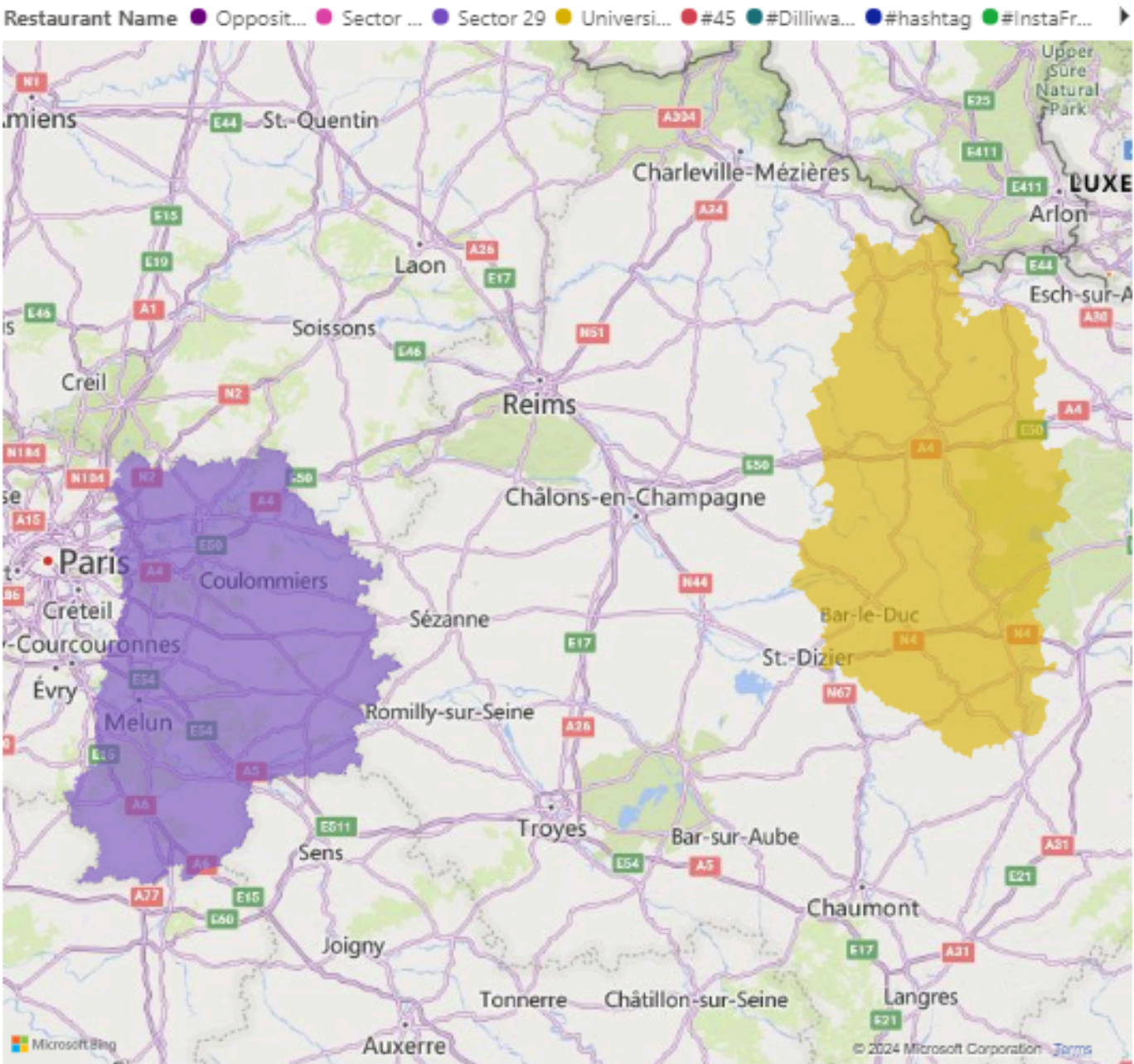
Task 3



Task: Geographic Analysis

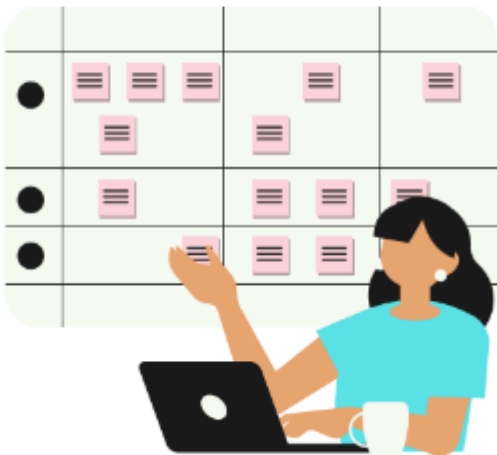
Plot the locations of restaurants on a map using longitude and latitude coordinates.

Identify any patterns or clusters of restaurants in specific areas.



Level 2

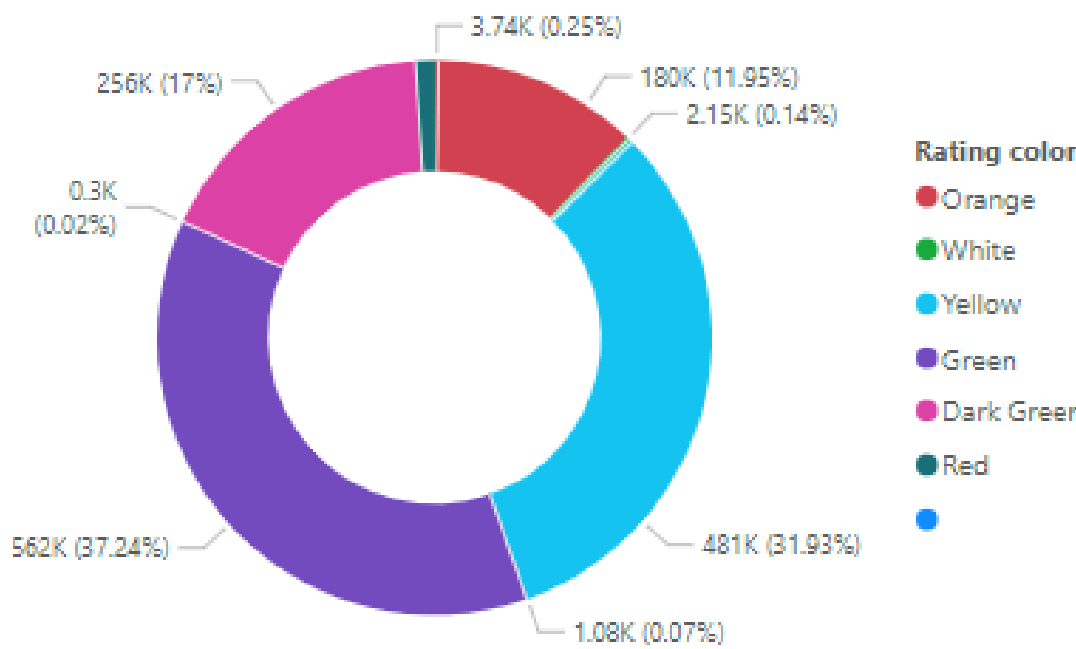
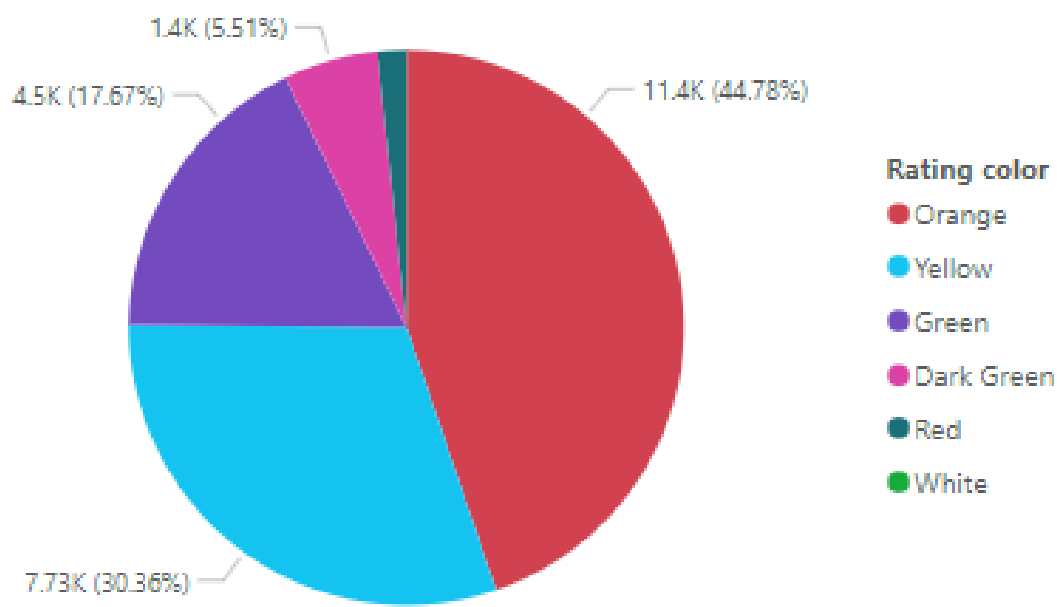
Task 4



Task: Restaurant Chains

Identify if there are any restaurant chains present in the dataset.

Analyze the ratings and popularity of different restaurant chains.



Level 3

Task 2

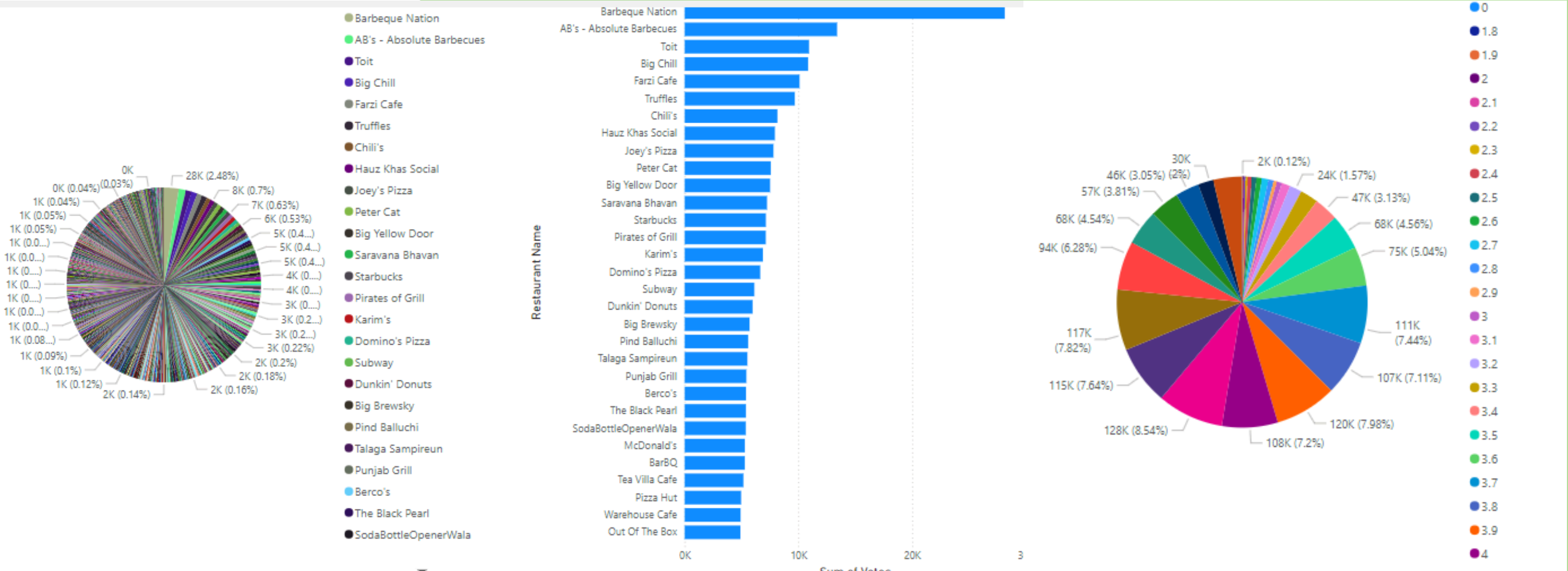
Task: Votes Analysis

Identify the restaurants with the highest and lowest number of votes.

Analyze if there is a correlation between the number of votes and the rating of a restaurant.



Restaurant with
highest number
of votes is
BAEBEQUE NATION
with 28k votes



Level 3

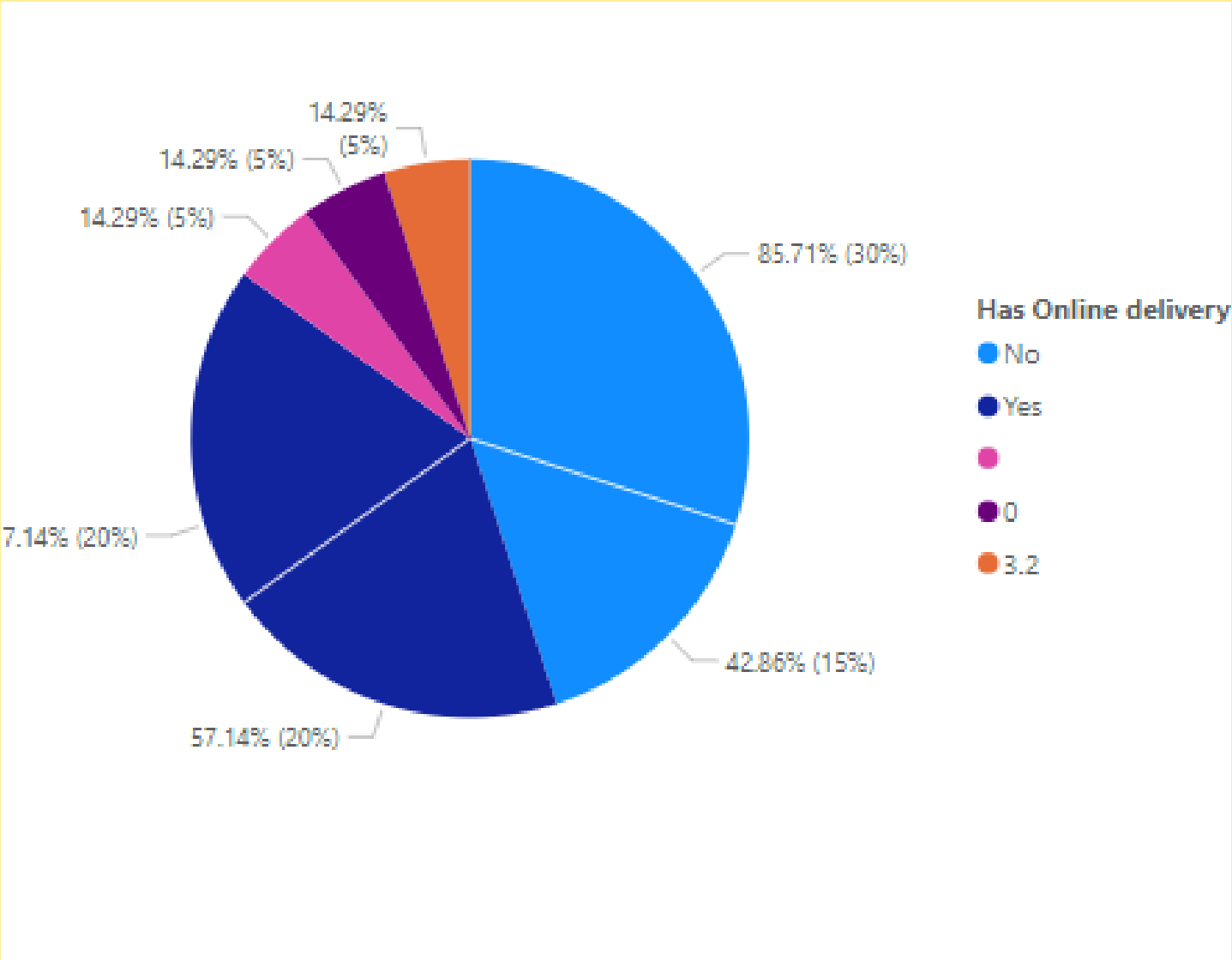
Task 3



Task: Price Range vs. Online Delivery and Table Booking

Analyze if there is a relationship between the price range and the availability of online delivery and table booking.

Determine if higher-priced restaurants are more likely to offer these services.





THANK YOU

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