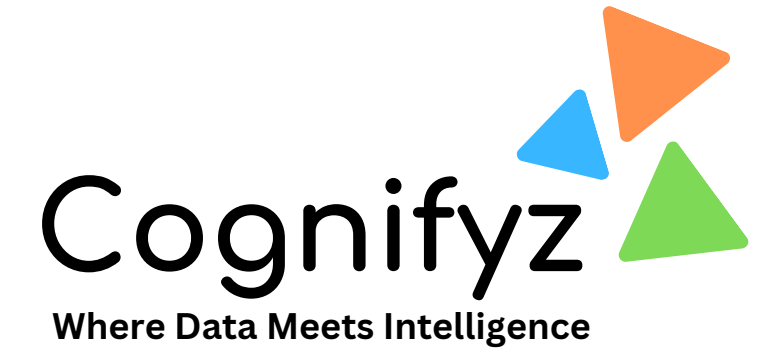# Cognifyz

**Where Data Meets Intelligence**
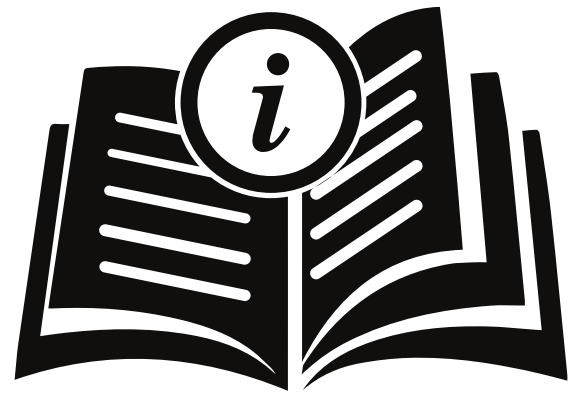
# INTERNSHIP PROGRAM

## Data Analysis

# About Us

- 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.

**Cognifyz**
Where Data Meets Intelligence

**MSME**
Micro, Small, & Mediam Enterprises
सूक्ष्म, लघु, एवं मध्यम उद्योग
**MSME BUSINESS FORUM**

## During your internship tenure, it is important to keep in mind the following points

- Enhance your professional presence by updating your LinkedIn profile. Share your achievements, such as the offer letter or internship completion certificate, which you received from us. Don't forget to mention and tag Cognifyz Technologies in your posts. You can use hashtags like #cognifyz #cognifyzTech #cognifyzTechnologies to showcase your affiliation.

- Maintain academic integrity and respect intellectual property. Plagiarism and copying code are serious offenses that can lead to the termination of your internship and subsequent restriction from future opportunities with us.

- Demonstrate your work by sharing a video showcasing the completion of your tasks on LinkedIn. Remember to tag Cognifyz Technologies in your post and use relevant hashtags like #cognifyz #cognifyzTech #cognifyzTechnologies to engage with our community.

**Cognifyz**

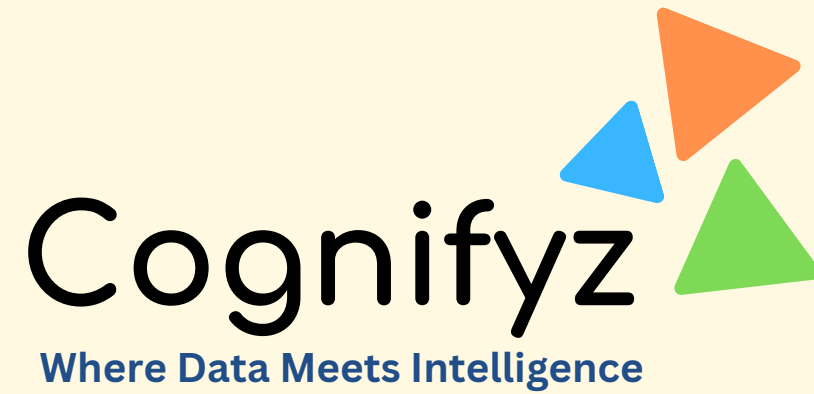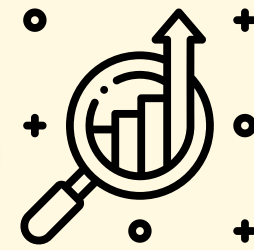Where Data Meets Intelligence

# SUBMISSION

- Create a professional video showcasing your internship projects and achievements.

- Host the video on LinkedIn to provide proof of your work and establish credibility among your peers. Consider tagging Cognifyz Technologies in your posts to ensure they are notified of your work.

- A SUBMISSION FORM will be shared later. Till then please continue your task and make a septate file of each level.

- When posting the video on LinkedIn, include the following hashtags to maximize visibility and engagement: #cognifyztechnologies #cognifyz #cognifyztech. Additionally, depending on your internship domain.

RULES
1
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# DATA ANALYSIS

# TASK LIST


Data Analysis

Welcome to our exciting Data Analysis internship program! To complete this internship, you will have the chance to choose any 2 of 3 levels: Level 1, Level 2, or Level 3. We've designed these levels to cater to your convenience and ensure an engaging and rewarding experience.

# 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.

# Level 1

## Task 2

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**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.

# 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.

# 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.

# 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.**

# 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.**

# Level 2

## Task 3

**Task: Geographic Analysis**

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

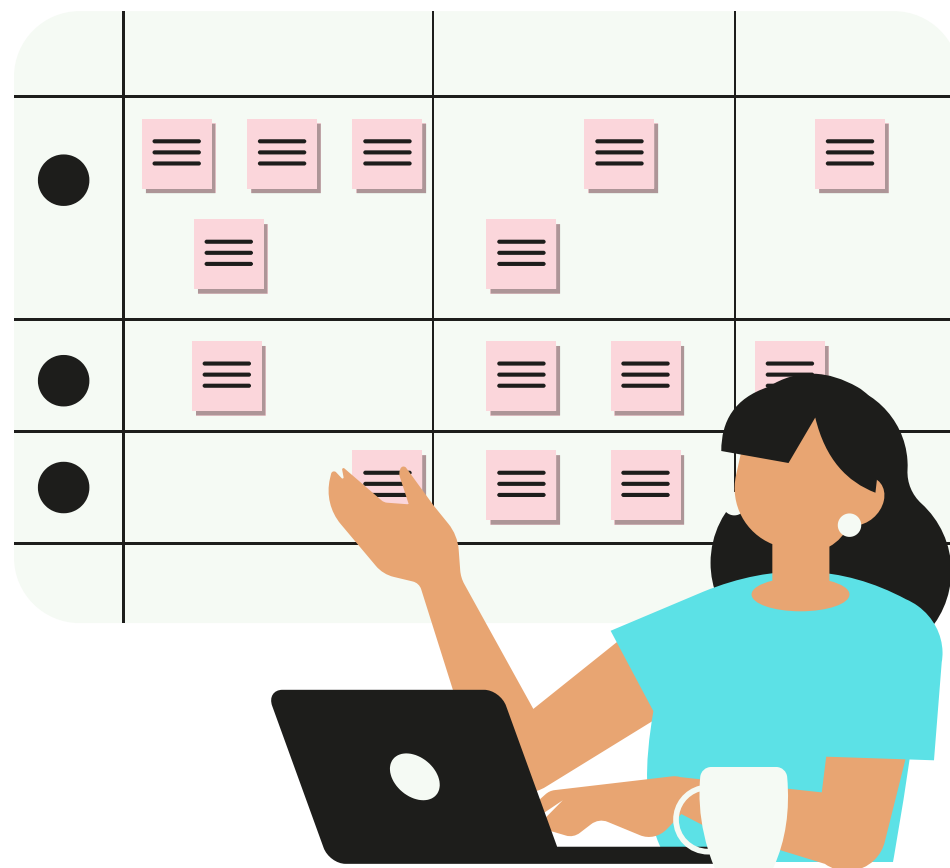Identify any patterns or clusters of restaurants in specific areas.

# 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.
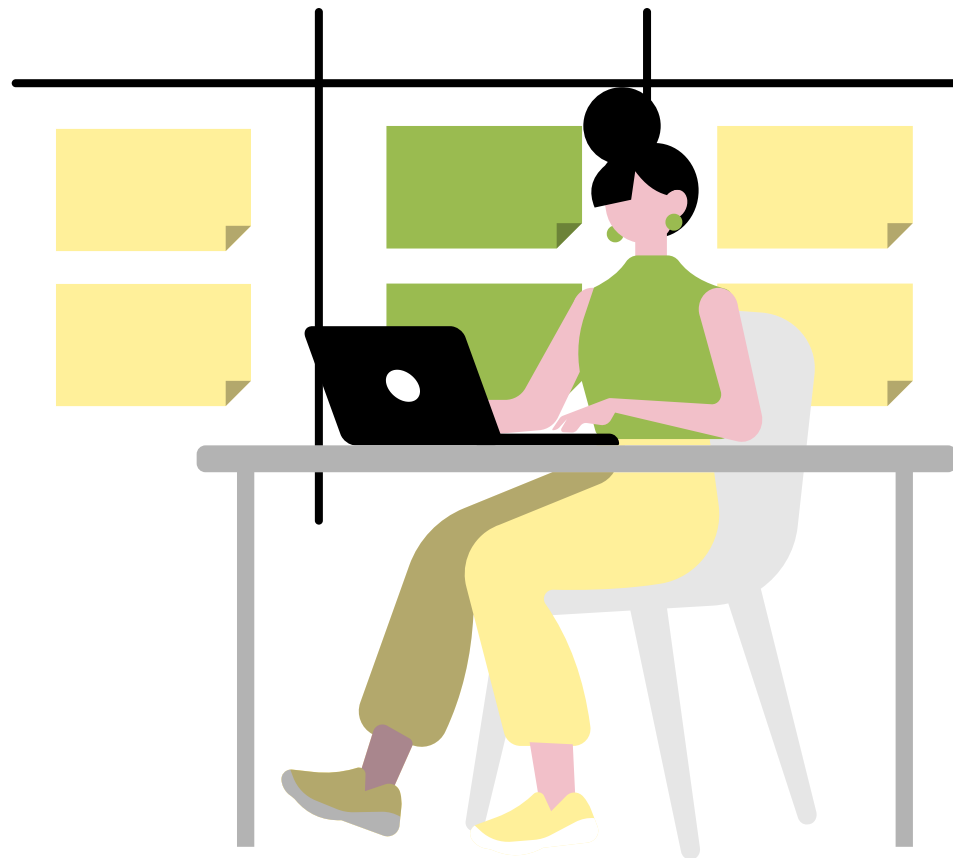
# Level 3

## Task 1

Task: Restaurant Reviews

Analyze the text reviews to identify the most common positive and negative keywords.

Calculate the average length of reviews and explore if there is a relationship between review length and rating.

# 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.

# 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.

# How to Contact Us?

To find out more information, please contact us

**in**   @cognifyz-Technologies

**✉**   contact@cognifyz.com

**🌐**   www.cognifyz.com

**📷**   @cognifyz_tech

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