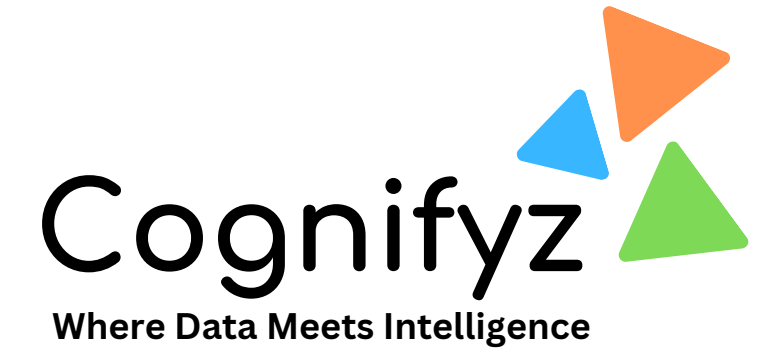


INTERNSHIP PROGRAM

DATA VISUALIZATION (USING MICROSOFT EXCEL)

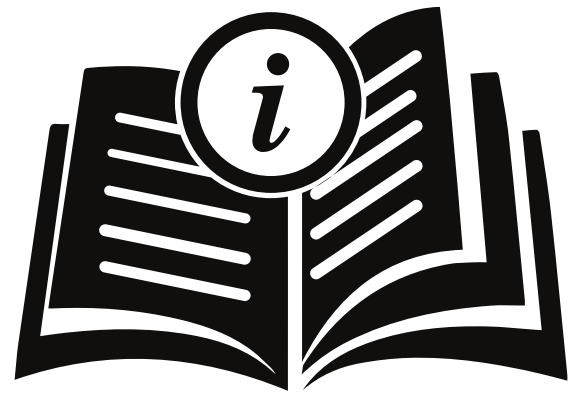


About Us



- 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.





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.

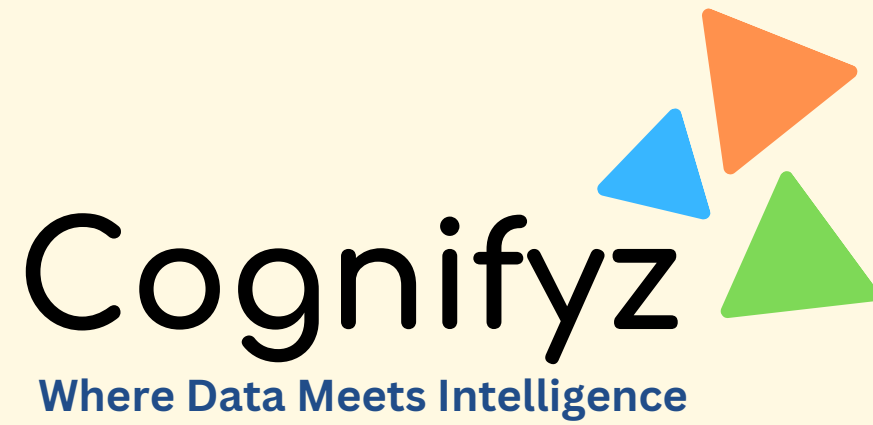


SUBMISSION



- 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 separate 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.





DATA VISUALIZATION (USING MICROSOFT EXCEL)

TASK LIST



Welcome to our exciting Data Visualization (Using Microsoft Excel) internship program! To complete this internship, you will have to finish at least 4 tasks out of 6. We've designed these tasks to cater to your convenience and ensure an engaging and rewarding experience.

Level 1: Beginner



Task 1: Gender Distribution Analysis in Excel

Objective: Analyze the gender distribution within the dataset using Excel.

Steps:

1. Open the dataset in Excel.
2. Use Excel functions such as COUNTIF or pivot tables to calculate the count or percentage of each gender category.
3. Create a pie chart using the calculated gender distribution data.
4. Label the pie chart segments with the corresponding gender categories.
5. Customize the appearance of the chart, including colors and labels.
6. Add a title and any necessary labels or legends to the chart.
7. Save the Excel file with the pie chart for presentation or inclusion in a report.

Level 1: Beginner



Task 2: Investment Preferences Analysis in Excel

Objective: Analyze participants' investment preferences, including distribution across different avenues and reasons for investment choices using Excel.

Steps:

1. Use pivot tables or Excel functions to summarize the data on investment avenues chosen by participants.
2. Create a bar chart to illustrate the distribution of participants across different investment avenues.
3. Use pivot tables or Excel functions to summarize the reasons provided by participants for choosing specific investment avenues.
4. Create a stacked or grouped bar chart to visualize the reasons for investment choices within each avenue.
5. Label the axes, add a title, and any necessary legends or annotations to the charts.
6. Customize the appearance of the charts for clarity and aesthetics.
7. Save the Excel file with the visualizations for presentation or inclusion in a report.

Level 2: Intermediate



Task 3: Objective and Source Analysis in Excel

Objective: Analyze participants' savings objectives and common information sources using Excel.

Steps:

1. Use pivot tables or Excel functions to summarize the data on savings objectives stated by participants.
2. Create a donut chart to represent the distribution of savings objectives among participants.
3. Use pivot tables or Excel functions to summarize the data on common information sources used by participants.
4. Create a horizontal bar chart to display the frequency of each information source.
5. Label the charts appropriately and add any necessary legends or annotations.
6. Customize the appearance of the charts for clarity and aesthetics.
7. Save the Excel file with the visualizations for presentation or inclusion in a report.

Level 2: Intermediate



Task 4: Duration and Expectations Analysis in Excel

Objective: Analyze investment durations mentioned by participants and their expectations from investments using Excel.

Steps:

1. Use pivot tables or Excel functions to summarize the data on investment durations mentioned by participants.
2. Construct a histogram to visualize the distribution of investment durations.
3. Use pivot tables or Excel functions to summarize the data on participants' expectations from their investments.
4. Create a radar chart to illustrate the different expectations participants have.
5. Label the axes, add a title, and any necessary legends or annotations to the charts.
6. Customize the appearance of the charts for clarity and aesthetics.
7. Save the Excel file with the visualizations for presentation or inclusion in a report.

Level 3: Advanced



Task 5: Correlation Analysis in Excel

Objective: Analyze potential correlations between factors like age, investment duration, and expected returns using Excel.

Steps:

1. Use Excel functions or data analysis tools to calculate correlation coefficients between relevant variables.
2. Create a scatter plot matrix to visualize potential correlations between age, investment duration, and expected returns.
3. Adjust the size and scale of the scatter plots as needed for clarity.
4. Create a bubble chart to explore the relationship between investment duration and participants' expectations.
5. Label the axes, add a title, and any necessary legends or annotations to the charts.
6. Customize the appearance of the charts for clarity and aesthetics.
7. Save the Excel file with the visualizations for presentation or inclusion in a report.

Level 3: Advanced



Task 6: Dashboard Creation in Excel

Objective: Combine selected visualizations into an interactive dashboard using Excel features like slicers and charts linked to the dataset.

Steps:

1. Select the visualizations deemed most informative and relevant for the dashboard.
2. Create individual charts or graphs for each selected visualization.
3. Arrange the visualizations in a logical and aesthetically pleasing layout within the Excel workbook.
4. Add slicers or filters to enable interactive filtering of the data displayed in the dashboard.
5. Link each visualization to the dataset to ensure that updates to the data are reflected in real-time.
6. Customize the appearance of the dashboard, including titles, labels, and formatting.
7. Test the dashboard functionality to ensure all interactive features work as intended.
8. Save the Excel file as a dashboard for distribution or presentation to stakeholders.

How to Contact Us?

To find out more information,
please contact us



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@cognifyz_tech

