

FORMATIVE ASSESSMENTS DIGITAL LITERACY

Instructions Guidelines:

1. Kindly go through the data sheet in the link given below:

Link:

[https://docs.google.com/spreadsheets/d/1tzDJtJCuH44DIFg6q4pgx4LMTwNxMvuo/edit?usp=drive link&ouid=100151145494297078076&rtpof=true&sd=true](https://docs.google.com/spreadsheets/d/1tzDJtJCuH44DIFg6q4pgx4LMTwNxMvuo/edit?usp=drive_link&ouid=100151145494297078076&rtpof=true&sd=true)

2. The Data sheet has three pages segregated into three sheets

Sheet 1: Schedule

Sheet 2: PC wise turn out data

Sheet 3: Performance

3. Save every file that you create as a final version and name the document with the format mentioned below:

Name_File_Date of Completion (mm/dd/yyyy) format

For ex: If my name is Kishore and I finished the task on 12/02/2025 then the format would be

KISHORE_File_12/02/2025

4. The deadline to finish the Formative assessment would be 2 days from the start date that would be communicated. Documents should be stored in your google drive, access to be given to the email id (atommtraining@gmail.com), files without editing access for this email id would be discarded without any correction.
5. Please go through the case study and work on the ask.

Case Study: Data Analysis of Elections 2024

Objective

To analyze the available data related to the 2024 elections, identify trends in voter behavior, study the impact of various factors on election outcomes, and generate insights through data visualization, statistical methods, and predictive modeling.

1. Introduction

- Define the purpose, context, and scope of the analysis.
- Include brief background on the 2024 elections, major parties, and issues.

2. Data Collection

- Identify sources (Election Commission, survey data, social media, and news portals).
- Collect both structured and unstructured data (voter turnout, demographics, polling data, social sentiment).

3. Data Cleaning and Preprocessing

- Handle missing values, outliers, and data normalization.
- Prepare datasets for analysis using standard preprocessing techniques.

4. Exploratory Data Analysis (EDA)

- Generate visualizations (bar charts, heat maps, line graphs).
- Use descriptive statistics and identify patterns or correlations in the data.

5. Analysis and Insights

- Analyze trends, public sentiment, and correlation with voter behavior.
- Optionally, apply predictive models to forecast outcomes.

6. Statistical Analysis

- Use hypothesis testing or regression analysis.
- Compare polling predictions vs actual results, if available.

7. Results and Discussion

- Summarize findings and insights.
- Discuss key influences on the 2024 elections and how trends have shifted.

8. Conclusion

- Highlight major takeaways.
- Mention limitations and suggest areas for further analysis.

9. References and Resources

- List all data sources, tools, and references used.
- Include links or citations for datasets, articles, or software libraries.

10. Presentation and Documentation

- Submit a written report with visualizations and interpretation.
- Prepare a PPT for the analysis that you have done, the slide count can be maximum of 10.

Evaluation parameters

The total Evaluation score of this assessment would be for 60 marks, the division of the marks is mentioned below:

Every Parameter will be given a score on the scale of 5, the matrix is mentioned below:

1. Introduction
2. Data Collection
3. Data Cleaning and Preprocessing
4. Exploratory Data Analysis (EDA)
5. Analysis and Insights
6. Statistical Analysis
7. Results and Discussion
8. Conclusion
9. References and Resources
10. Presentation and Documentation



1 – Poor	2 – Average	3 – Good	4 – Excellent	5 - Exceptional
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Note: The last 10 marks would be awarded based on the below mentioned criteria:

1. Prepare a poster on the canva
2. The poster should have the details of the snap of the analysis in numbers that was performed
3. The poster to have the same case study name and few attractive numbers of the analysis that was performed as a part of this formative assessment.

The google drive that will be shared to us for the evaluation will have two files

1. The analysis that is performed on Excel/PPT/Word with the proper format as specified – 50 marks
2. The poster that is designed – 10 marks