



Worksheet #4 S1E9 Part 2: “Using AI for Data Analysis and Visualization”

Objective: Students will learn how to use AI tools to organize, analyze, and visualize data. They will practice inputting data into AI platforms, generating visualizations, and interpreting the results to draw meaningful insights.

Student	Math Score	Science Score	English Score	History Score
Alice	85	92	78	88
Bob	76	85	84	75
Carol	90	91	87	92
Dave	70	78	75	80
Eve	88	90	82	85

Part 2: Analyzing Data with AI

1. **Use an AI tool:** Input the data from the table into an AI tool (such as ChatGPT, Google Sheets, or another AI-based data analysis platform). Ask the AI to analyze the dataset and provide insights.

Task:

- Ask the AI the following questions:
 - Which student has the highest overall average score across all subjects?
 - What is the average score for each subject?
 - Which subject has the most consistent scores across students?



AI Output:

- Write down the AI-generated answers to the questions above.

Reflection:

- How did the AI's analysis compare to your own observations?
- Did the AI identify any trends or patterns you missed?



Teacher's Notes:

- Encourage students to think critically about how AI tools can provide insights but also how they should verify and interpret those results themselves.
- Discuss the importance of using different types of visualizations to highlight specific aspects of the data.
- Highlight the role of AI in handling large datasets quickly, especially for identifying trends that may not be immediately obvious.

This worksheet will guide students through the process of using AI for data analysis and visualization, helping them develop both technical and analytical skills.