



Worksheet #4 S1E9 Part 4: “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 4: Interpreting the Results

- Understanding trends:** Based on the AI-generated analysis and the visualizations, answer the following questions:
 - Which subject do students tend to perform best in overall?
 - Is there any student who excels in one subject but struggles in another? If so, explain.
 - Are there any significant differences between students' scores in different subjects?

**Task:**

- Write a short summary of the trends you've identified from the AI's analysis and visualization.

Reflection:

- How did the AI's analysis and graphs help you understand the data more clearly?
 - Were there any surprising insights that you hadn't noticed during your initial observation?
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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.