



## Worksheet #4 S1E9 Part 5: “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.

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| 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 5: Final Evaluation and Discussion

#### Task:

- Write a paragraph reflecting on your experience using AI for data analysis and visualization.

#### Questions to Consider:

- How does using AI help make sense of complex data?
- In what ways do visualizations make it easier to understand trends compared to looking at raw data?
- How might you use AI for future data analysis projects in subjects like science, math, or social studies?



### **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.

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