Post Assessment

1. Quiz on Learned Concepts	
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- a. Neuroscience Applications:
 - i. Explain how electrical signals from muscles are recorded.
 - ii. Describe how these signals can be analyzed to learn about the nervous system.
- b. Data Conversion:

Outline the steps to convert a .wav file to a .csv file using Python.

- c. Data Analysis and Al:
 - i. How can visualizing data help in understanding muscle activity?
 - ii. What are some basic machine learning techniques that could be applied to this data?
- 2. Hands-On Post-Test
 - a. Python Programming:
 - i. Write a Python script to convert a .wav file to a .csv file.
 - ii. Create a simple plot of the muscle activity data using Matplotlib.





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i. In Google Colab, collaboratively analyze a dataset and summarize the findings.

3. Project-Based Assessment

- a. Group Presentation:
 - i. Each group presents their findings, including data visualization and analysis.
 - ii. Discuss the significance of your results in the context of neuroscience research.

b. Reflective Writing:

i. Write a short essay on what you learned about data conversion, analysis, and the application of AI in neuroscience.

ii. Reflect on the collaborative process and how it contributed to your understanding.



