**Post Assessment**

**Instructions:** Answer the following questions.

**Understanding Data Conversion:**

1. How does converting a .wav file to a .csv file help in data analysis?
2. What challenges might arise during the conversion process?

**Analyzing Neural Data:**

1. What differences do you observe between the neural signals of finger and wrist movements?
2. How can downsampling and smoothing impact the quality of your data?

**Interpreting Visualizations:**

1. What patterns or trends do you notice in visualized neural data?
2. How can these patterns help in understanding muscle activity during different movements?

**Critical Thinking:**

1. Why is it important to remove noise from the neural data?
2. How would you improve the data collection and processing methods for better accuracy?

**Application of Computational Thinking:**

1. How did you apply decomposition, pattern recognition, abstraction, and algorithm design in this activity?
2. Can you think of other real-world applications where similar data analysis techniques might be useful?