Pre-Assessment

Instructions: Answer the following questions.

1. How does converting a .wav file to a .csv file help in data analysis?

2. What challenges might arise during the conversion process?

3. What differences do you observe between the neural signals of finger and wrist movements?

4. How can downsampling and smoothing impact the quality of your data?

5. What patterns or trends do you expect to see in the visualized neural data?

6. How do you think these patterns can help in understanding muscle activity during different movements?

7. Why is it important to remove noise from the neural data?