

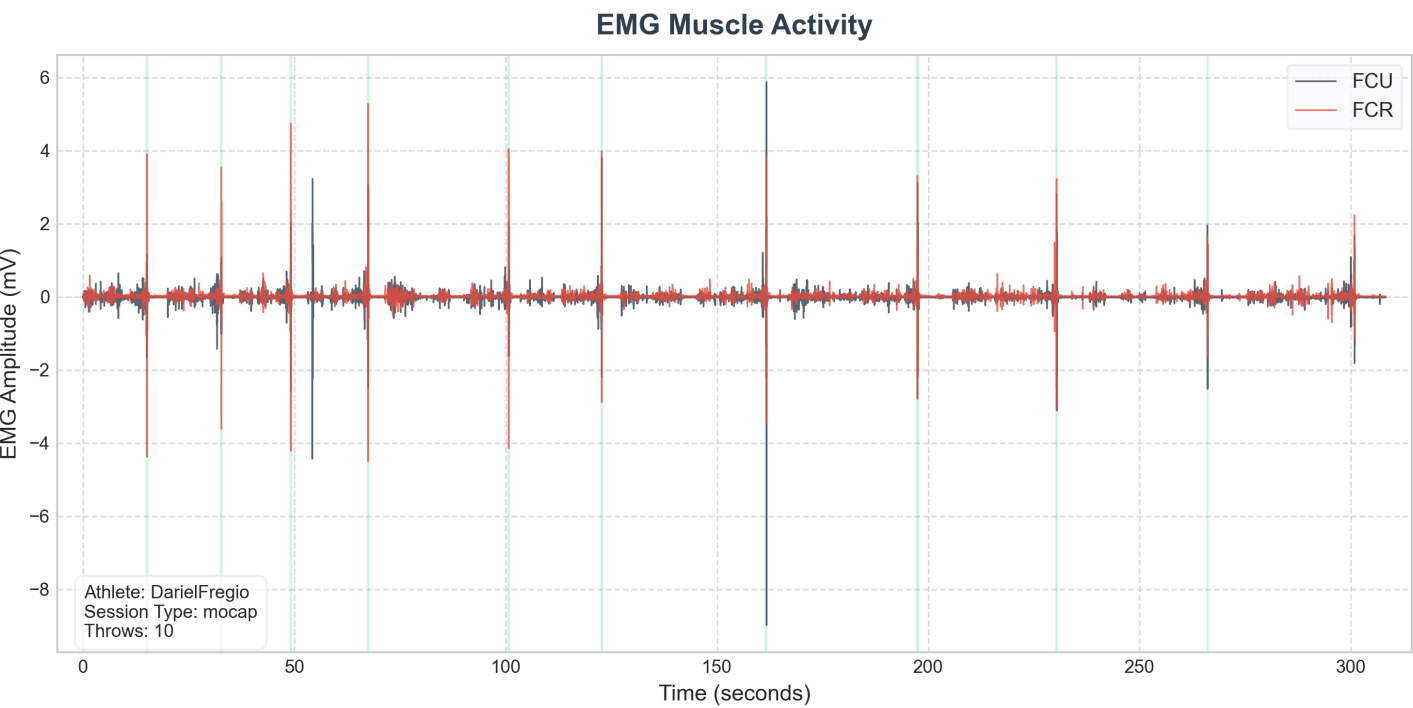
Daniel Fregio

EMG Report for mocap Session

February 27, 2025

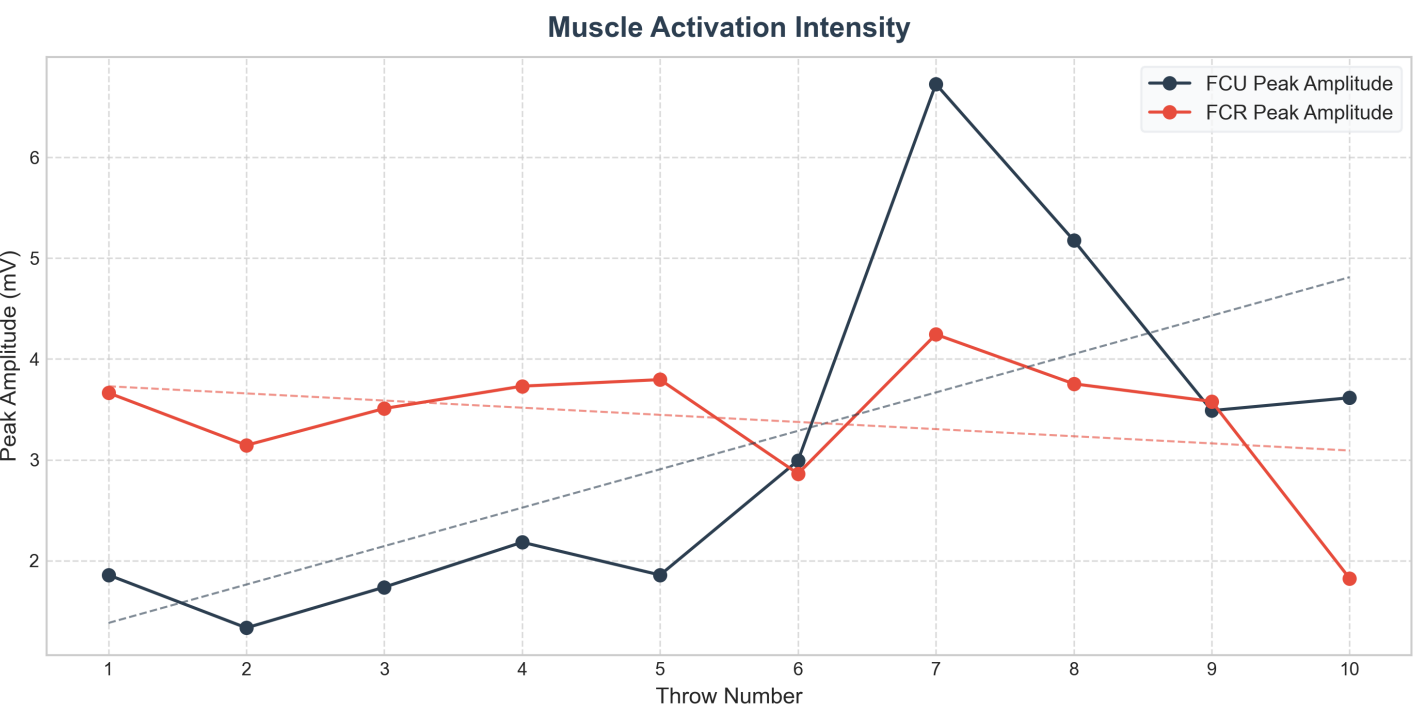
Throwing Summary

EMG Activity



EMG muscle activity throughout the session with throw regions highlighted in green.

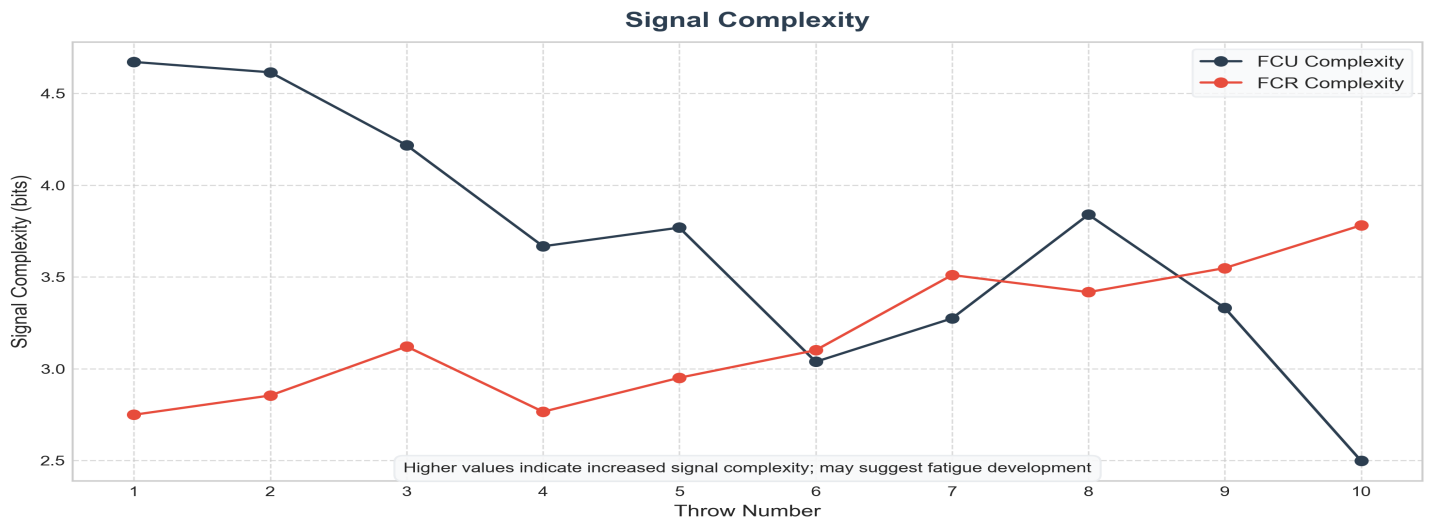
Muscle Activation Intensity



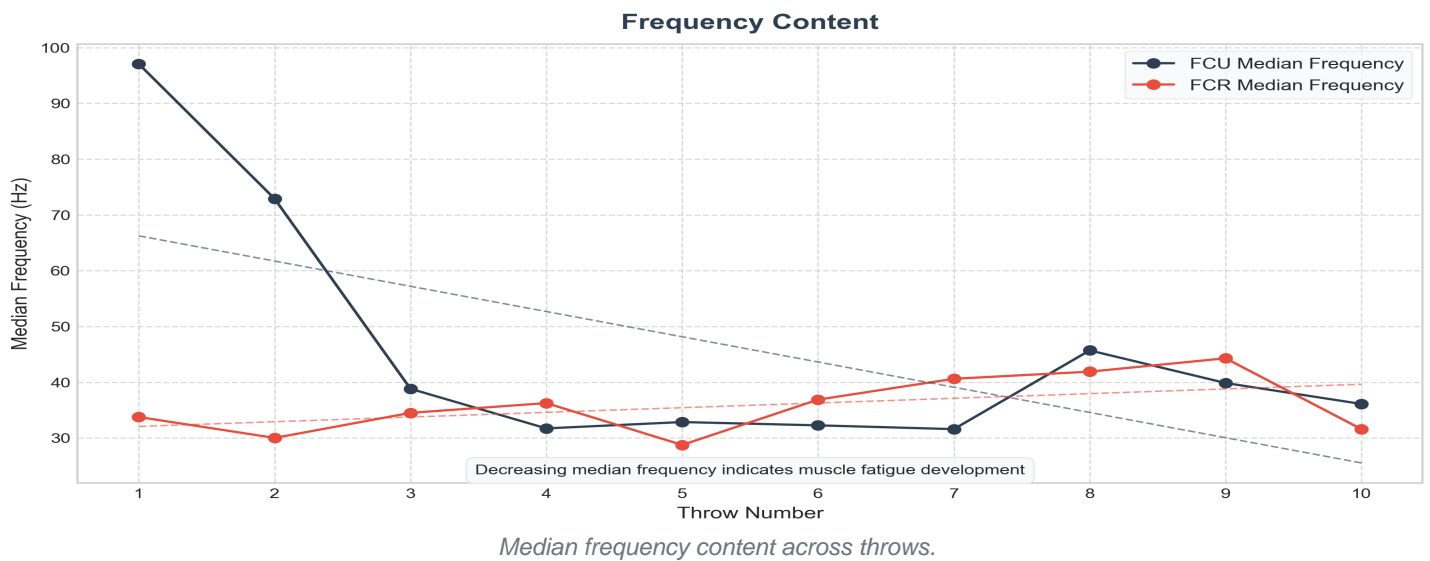
Peak muscle activation intensity for each throw.

Fatigue and Twitch Analysis

Signal Complexity

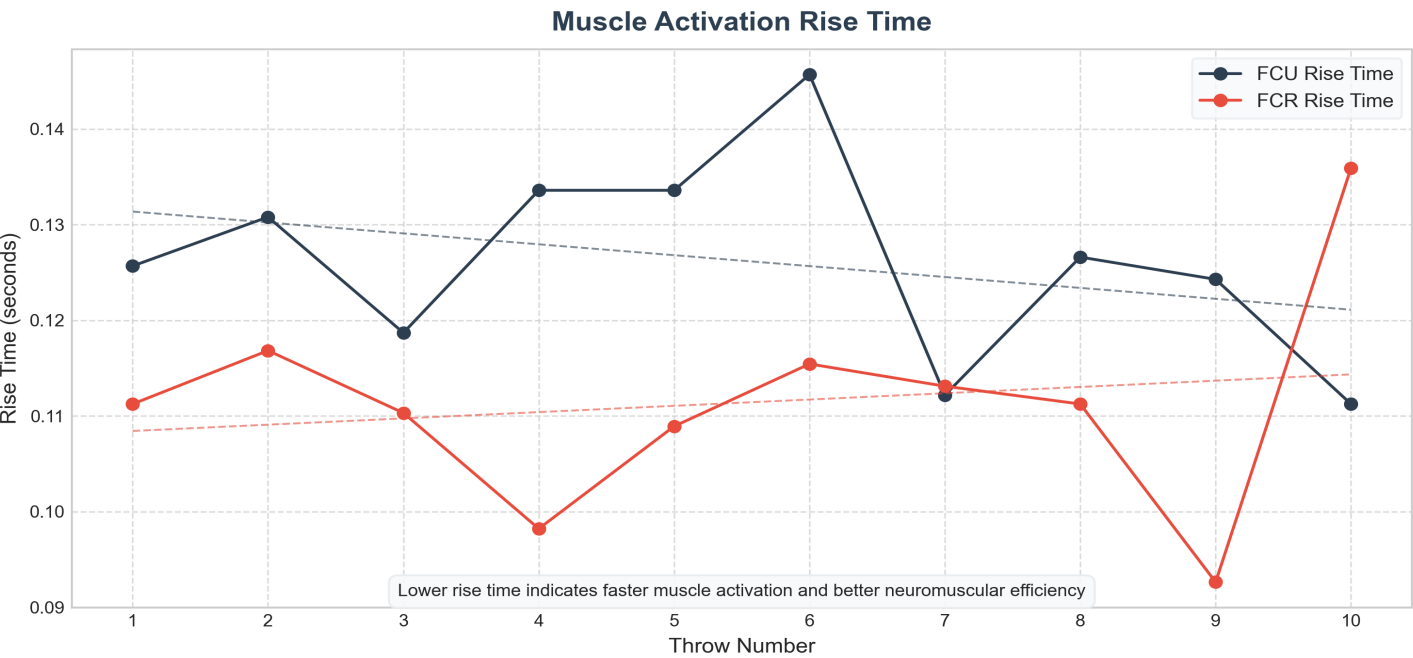


Frequency Content



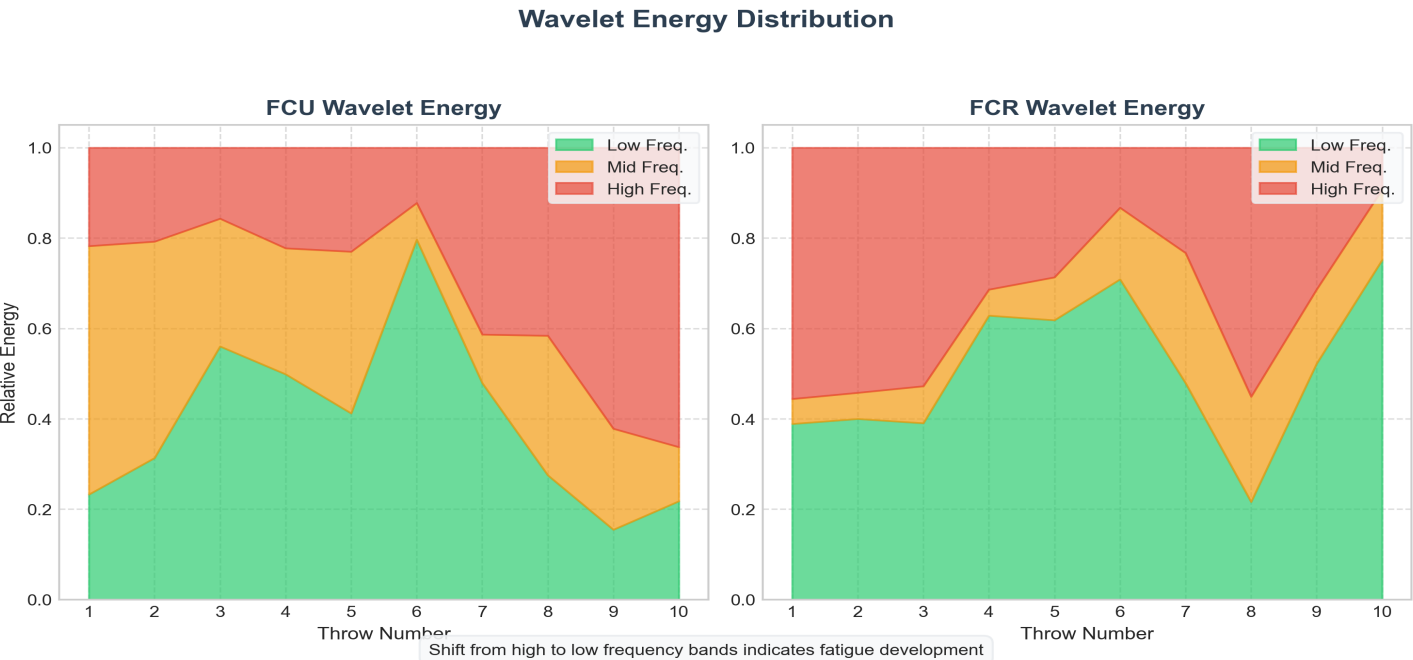
Neuromuscular Analysis

Neuromuscular Efficiency (Rise Time)



Muscle activation rise time (time to reach peak contraction) across throws.

Wavelet Energy Distribution



Distribution of energy across frequency bands for each throw.