

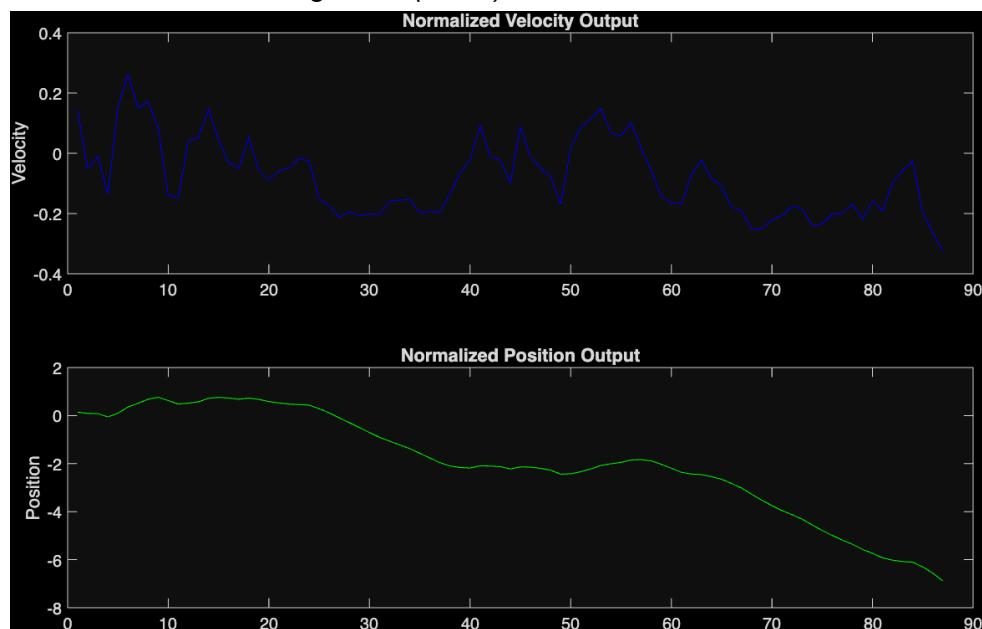
Project: Simple Linear Classifier

5. Single Trial (trial 2) Analysis (Raw Data)



For the chosen trial (trial 2), before normalization, the raw position outputs are positive and increase throughout time, which indicates that the cursor has moved left.

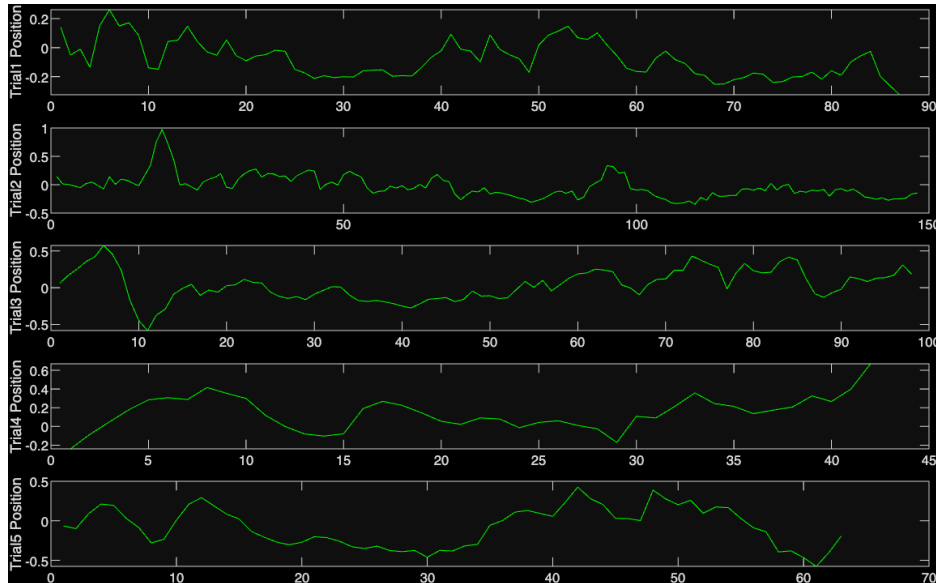
6c. Normalization of single trial (trial 2)



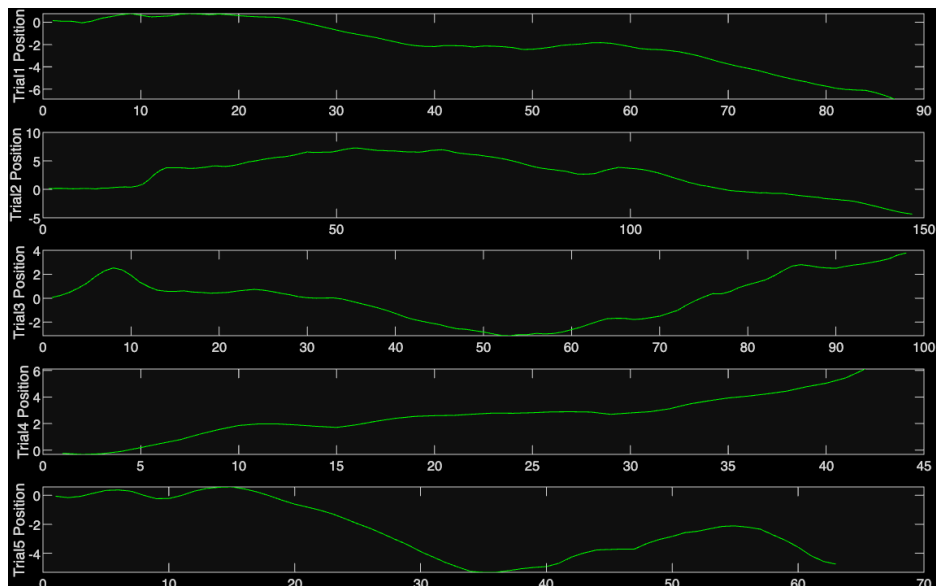
After normalization, our single trial (trial 2) now shows the opposite result as before. The position output is negative, and decreases throughout time, indicating the cursor moved right.

6d. All trials analysis

Velocity plot:



Position plot:



Targets provided in dataset:

 targets [2,2,1,1,2]

Plots from trials 1, 2, and 5, all end with a negative position, indicating the cursor has moved left (2). Plots 3 and 4, end with a positive position, indicating the cursor has moved right (1). From question 5, we could see that the raw data gave us the inverse answer from the normalized data.