ae1220

1. [3.19V, 1.91V], [7.20V, 7.71V], [2.89V, 6.40V]
2. A graph of a random forest classifier

   Description automatically generated
3. A multicolored pattern with numbers and symbols

   Description automatically generated with medium confidence

D.1) The nearest neighbour classifier performs best as it led to near identical classification as the random forest one, with lower complexity (less compute).

D.2) Train a neural network where the output layer nodes correspond to the predicted voltages of y1 and y2.

D.3) Yes but it would have less physical meaning than a non-parametric method as the classes wouldn’t be immediately obvious from the output voltages.