Isaac Wolf

COSC 4360

Task 4 Report

---------------------------------------------------------------

I found that on average the Tanh MLP performs better than the

Relu MLP. The RBF kernel seems to not be very accurate for this dataset, as it generates a very aggressive and inaccurate support vector classifier curve.

The Linear support vector classifier, while not supposed to be very intelligent, actually seems to be more accurate in this dataset as the patients who live vs die seem to have very little deviance in their data margins, and frequently miss classify themselves.

Linear (grey) vs RBF (purple) kernel support vector classifier curves