Project 1 Report

Results

Perceptron

Accuracy: 60.4%

Adaline

Accuracy: 39.6%

Stochastic Gradient Descent

Accuracy: 60.4%

SGD - One Versus Rest

Accuracy: 1.2%

Analysis

It seems that every prediction yielded an array of 1s or -1s, meaning something went wrong in the code/logic. I am not sure what it is at this point (if I did, it'd be fixed by now), but my best guess right now is that np.where is having trouble comparing things with strings, though the fact that y was separated correctly in the first 3 algorithms says differently.