

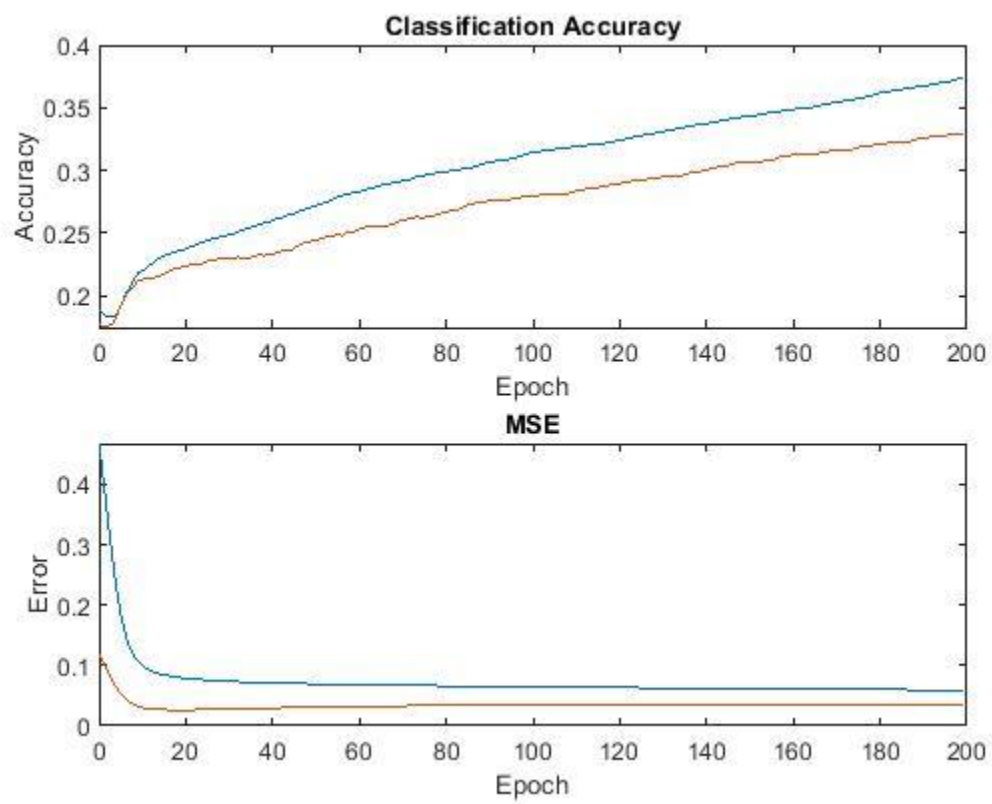
“Fall 2020: CSCI 4/5588 Programming Assignment #3”

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Graphs for each ANN

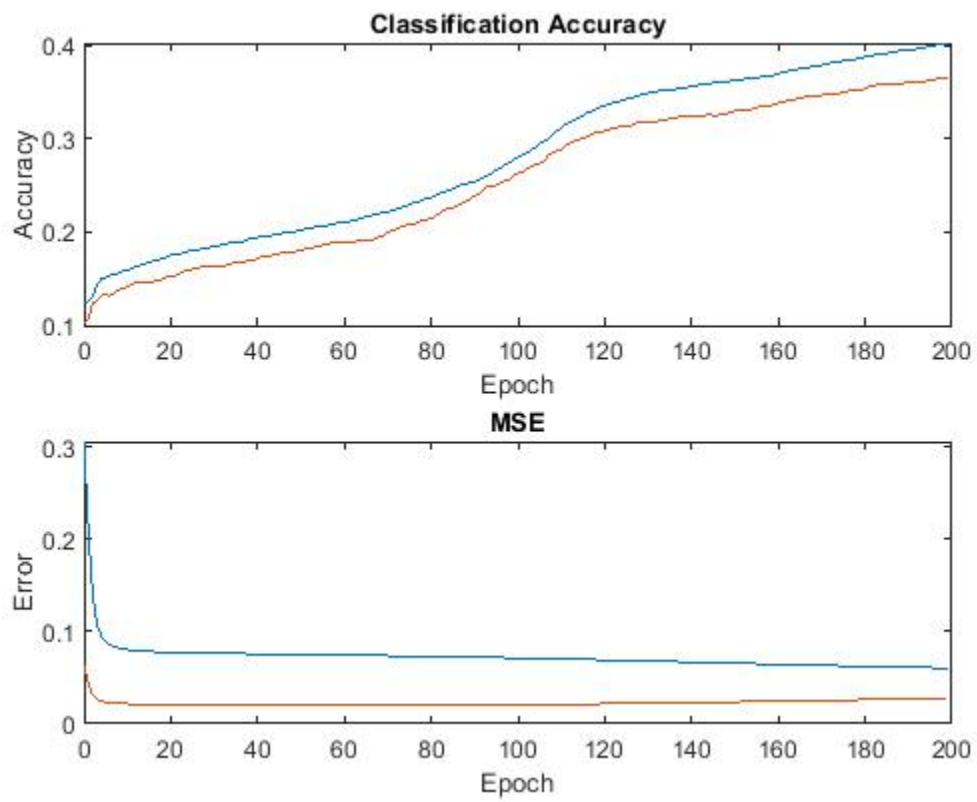
ANN with 1 hidden layer

L=[256 65 10]



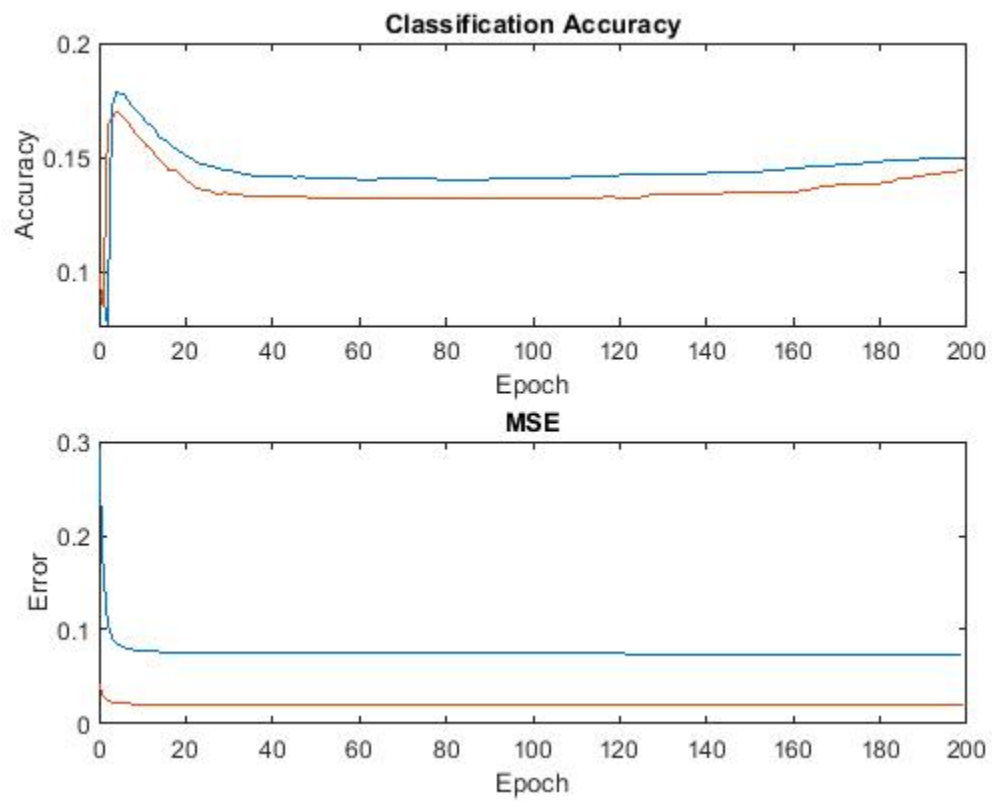
ANN with 2 hidden layers

L=[256 66 86 10]



ANN with 5 hidden layers

$L=[256\ 66\ 76\ 86\ 96\ 72\ 10]$



ANN with 10 hidden layers

L=[256 65 68 74 75 79 81 85 87 91 96 10]

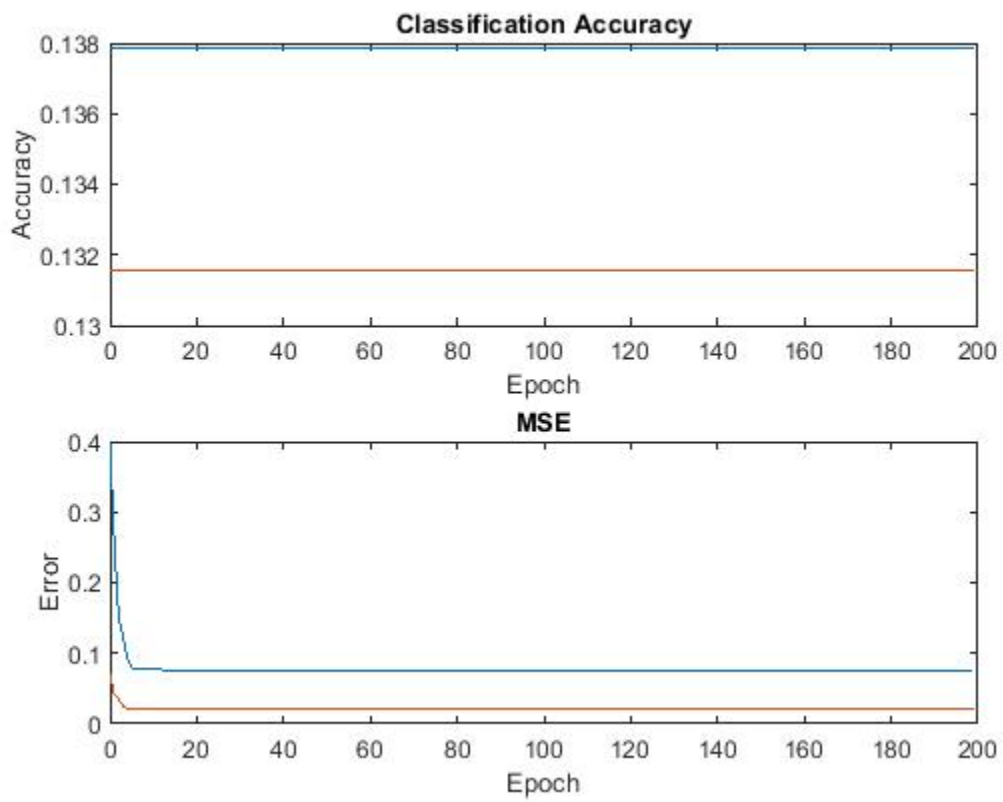


Table showing minimum training and test-error (i.e., MSE) collected from each of the ANNs, running at least 2000 epochs

	ANN-01	ANN-02	ANN-05	ANN-10
Minimum training error	0.0165	0.0178	0.0278	0.064
Minimum training error epoch	1999	1999	1999	1999
Minimum testing error	0.0217	0.021	0.0205	0.0205
Minimum testing error epoch	35	75	67	326