test pen set for 5 times/n

hidden layer [24]

Starting training at time 17:15:03.453000 with 16 inputs, 10 outputs, [24] hidden layers, size of training set 7494, and size of test set 3498

Finished after 68 iterations at time 17:24:07.135000 with training error 0.002800 and weight change 0.000079

Feed Forward Test correctly classified 3107, incorrectly classified 391, test percent error 0.888222

Starting training at time 17:24:08.198000 with 16 inputs, 10 outputs, [24] hidden layers, size of training set 7494, and size of test set 3498

Finished after 79 iterations at time 17:34:27.430000 with training error 0.002763 and weight change 0.000080

Feed Forward Test correctly classified 3176, incorrectly classified 322, test percent error 0.907947

Starting training at time 17:34:28.339000 with 16 inputs, 10 outputs, [24] hidden layers, size of training set 7494, and size of test set 3498

Finished after 68 iterations at time 17:43:17.592000 with training error 0.002860 and weight change 0.000080

Feed Forward Test correctly classified 3169, incorrectly classified 329, test percent error 0.905946

Starting training at time 17:50:25.003000 with 16 inputs, 10 outputs, [24] hidden layers, size of training set 7494, and size of test set 3498

Finished after 76 iterations at time 18:00:18.078000 with training error 0.002645 and weight change 0.000079

Feed Forward Test correctly classified 3168, incorrectly classified 330, test percent error 0.905660

Starting training at time 18:00:19.054000 with 16 inputs, 10 outputs, [24] hidden layers, size of training set 7494, and size of test set 3498

Finished after 77 iterations at time 18:10:49.210000 with training error 0.002784 and weight change 0.000080

Feed Forward Test correctly classified 3170, incorrectly classified 328, test percent error 0.906232

---------Result---------

[0.8882218410520297, 0.9079473985134362, 0.9059462550028587, 0.9056603773584906, 0.906232132647227]

--------- Max ----------

<mark>0.907947398513</mark>

----------Avg ----------

<mark>0.902801600915</mark>

--------- Std ----------

<mark>0.00733319344676</mark>

test car set for 5 times

hidden layer [16]

Starting training at time 18:12:21.785000 with 21 inputs, 4 outputs, [16] hidden layers, size of training set 200, and size of test set 1528

Finished after 200 iterations at time 18:12:46.737000 with training error 0.003905 and weight change 0.000144

Feed Forward Test correctly classified 1280, incorrectly classified 248, test percent error 0.837696

Starting training at time 18:12:47.007000 with 21 inputs, 4 outputs, [16] hidden layers, size of training set 200, and size of test set 1528

Finished after 200 iterations at time 18:13:13.079000 with training error 0.004405 and weight change 0.000119

Feed Forward Test correctly classified 1291, incorrectly classified 237, test percent error 0.844895

Starting training at time 18:13:13.368000 with 21 inputs, 4 outputs, [16] hidden layers, size of training set 200, and size of test set 1528

Finished after 200 iterations at time 18:13:39.289000 with training error 0.004485 and weight change 0.000149

Feed Forward Test correctly classified 1307, incorrectly classified 221, test percent error 0.855366

Starting training at time 18:13:39.572000 with 21 inputs, 4 outputs, [16] hidden layers, size of training set 200, and size of test set 1528

Finished after 200 iterations at time 18:14:05.507000 with training error 0.003503 and weight change 0.000141

Feed Forward Test correctly classified 1293, incorrectly classified 235, test percent error 0.846204

Starting training at time 18:14:05.796000 with 21 inputs, 4 outputs, [16] hidden layers, size of training set 200, and size of test set 1528

Finished after 200 iterations at time 18:14:31.659000 with training error 0.004790 and weight change 0.000152

Feed Forward Test correctly classified 1279, incorrectly classified 249, test percent error 0.837042

---------Result---------

[0.837696335078534, 0.8448952879581152, 0.8553664921465969, 0.8462041884816754, 0.8370418848167539]

--------- Max ----------

0.855366492147

----------Avg ----------

0.844240837696

--------- Std ----------

0.00667410931099