

Generated with the following Python version:

2.7.12 (aff251e543859ce4508159dd9f1a82a2f553de00, Nov 25 2016, 00:02:08)
[PyPy 5.6.0 with GCC 4.2.1 Compatible Apple LLVM 8.0.0 (clang-800.0.42.1)]

Q5

Pen Data

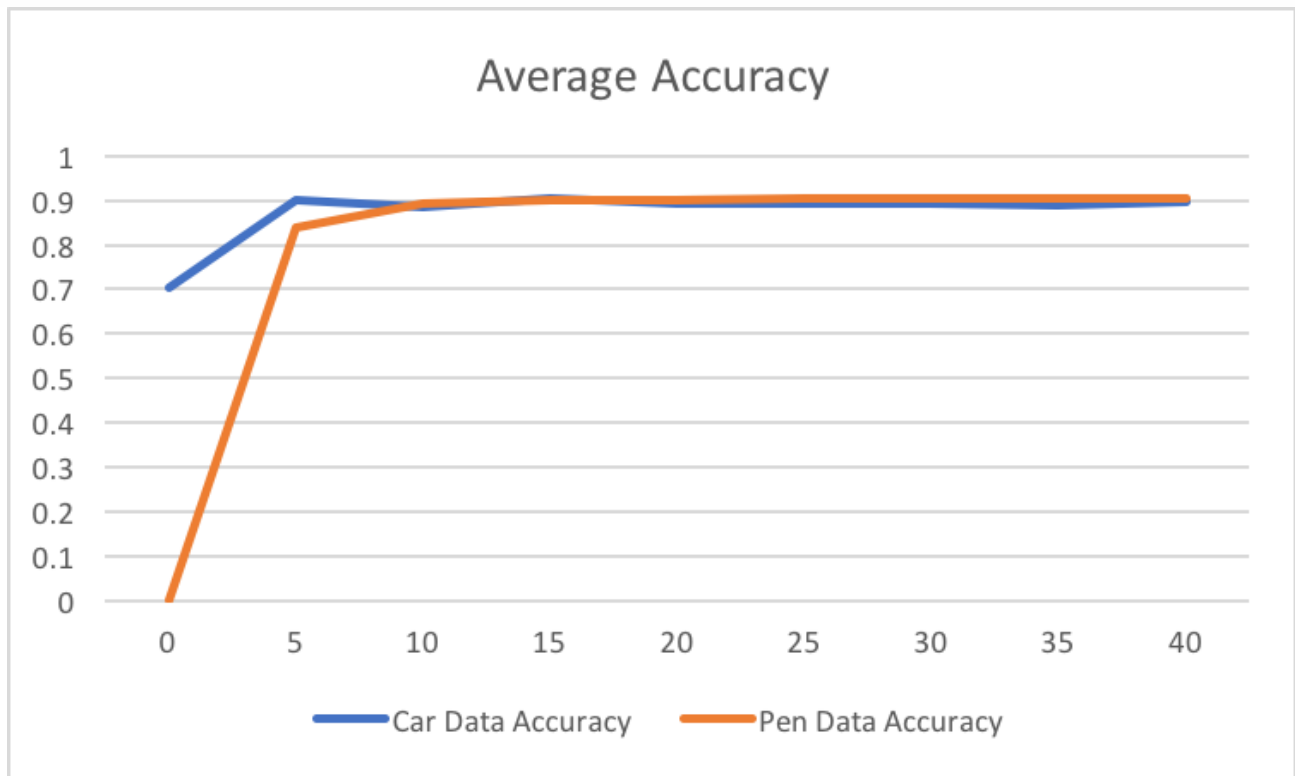
Max: 0.905946, Average: 0.900286, Stddev: 0.007249

Car Data

Max: 0.918848, Average: 0.898429, Stddev: 0.015143

Q6

Perceptrons	Car Data Accuracy	Pen Data Accuracy
0	Max: 0.704843, Average: 0.704843, Stddev: 0.000000	Max: 0.000000, Average: 0.000000, Stddev: 0.000000
5	Max: 0.918194, Average: 0.899084, Stddev: 0.016387	Max: 0.845626, Average: 0.840080, Stddev: 0.004231
10	Max: 0.913613, Average: 0.885733, Stddev: 0.017363	Max: 0.898228, Average: 0.892682, Stddev: 0.006330
15	Max: 0.905759, Average: 0.903927, Stddev: 0.002086	Max: 0.907947, Average: 0.900057, Stddev: 0.006536
20	Max: 0.905759, Average: 0.893325, Stddev: 0.010690	Max: 0.912807, Average: 0.901086, Stddev: 0.010631
25	Max: 0.907723, Average: 0.891492, Stddev: 0.015362	Max: 0.906232, Average: 0.902516, Stddev: 0.003525
30	Max: 0.909031, Average: 0.892147, Stddev: 0.018096	Max: 0.907662, Average: 0.904860, Stddev: 0.001440
35	Max: 0.900524, Average: 0.890314, Stddev: 0.006272	Max: 0.907090, Average: 0.904231, Stddev: 0.002116
40	Max: 0.909686, Average: 0.897382, Stddev: 0.010613	Max: 0.909377, Average: 0.906118, Stddev: 0.002129



Generally, the accuracy increases with the number of perceptrons. However, there is a diminishing return.