

info	accuracy	Run Time
epochs: 6	0.8693	47s
epochs: 8	0.8744	1m 27s
epochs: 10	0.8828	1m 14s
epochs: 15	0.8822	1m 49s
epochs: 2	0.8621	27s
size hidden layer: 105	0.8746	43s
size hidden layer: 150	0.8764	1m 26s
size hidden layer:500	0.8731	1m 28s
size hidden layer:50	0.8647	29s
size hidden layer:10	0.8385	44s
# of hidden layer: 2	0.8712	44s
# of hidden layer:3	0.8789	40s
# of hidden layer:4	0.8766	46s
# of hidden layer:8	0.8674	1m 28s
# of hidden layer:10	0.8537	1m 13s

Constants:

epochs: 5

of hidden layers: 1

Size of hidden layers: 100

I found that nothing changed the accuracy by more than 5%. The more epochs, size of hidden layers, or number of layers, the greater the run time.

The highest accuracy for epochs is somewhere between 10 - 15.

The highest accuracy for size of hidden layers is between 150-500.

The highest accuracy for number of hidden layers is 3.