

Number of epochs	Test data accuracy	Run time
3	0.8647	23s
5	0.8636	52s
10	0.8852	68s
20	0.8882	2m 26s
50	0.8842	6m 28s

Number of hidden layers: 1

Size of hidden layers: 100

Accuracy (marginally) and run time seem to increase with more epochs, usually.

Number of hidden layers	Test data accuracy	Run time
1	0.8882	2m 26s
2	0.8903	2m 36s
3	0.8869	2m 28s
5	0.8871	3m 26s
10	0.8789	3m 28s

Number of epochs: 20

Size of hidden layers: 100

Run time increases with more hidden layers, but the accuracy doesn't change much.

Size of hidden layers	Test data accuracy	Run time
50	0.8830	2m 25s
100	0.8882	2m 26s
200	0.8852	3m 27s
500	0.8875	5m 27s
750	0.8911	6m 26s

Number of epochs: 20

Number of hidden layers: 1

Run time increases with greater size, and accuracy might increase a bit too.