

Report about neural network training and performance

Hyper parameters

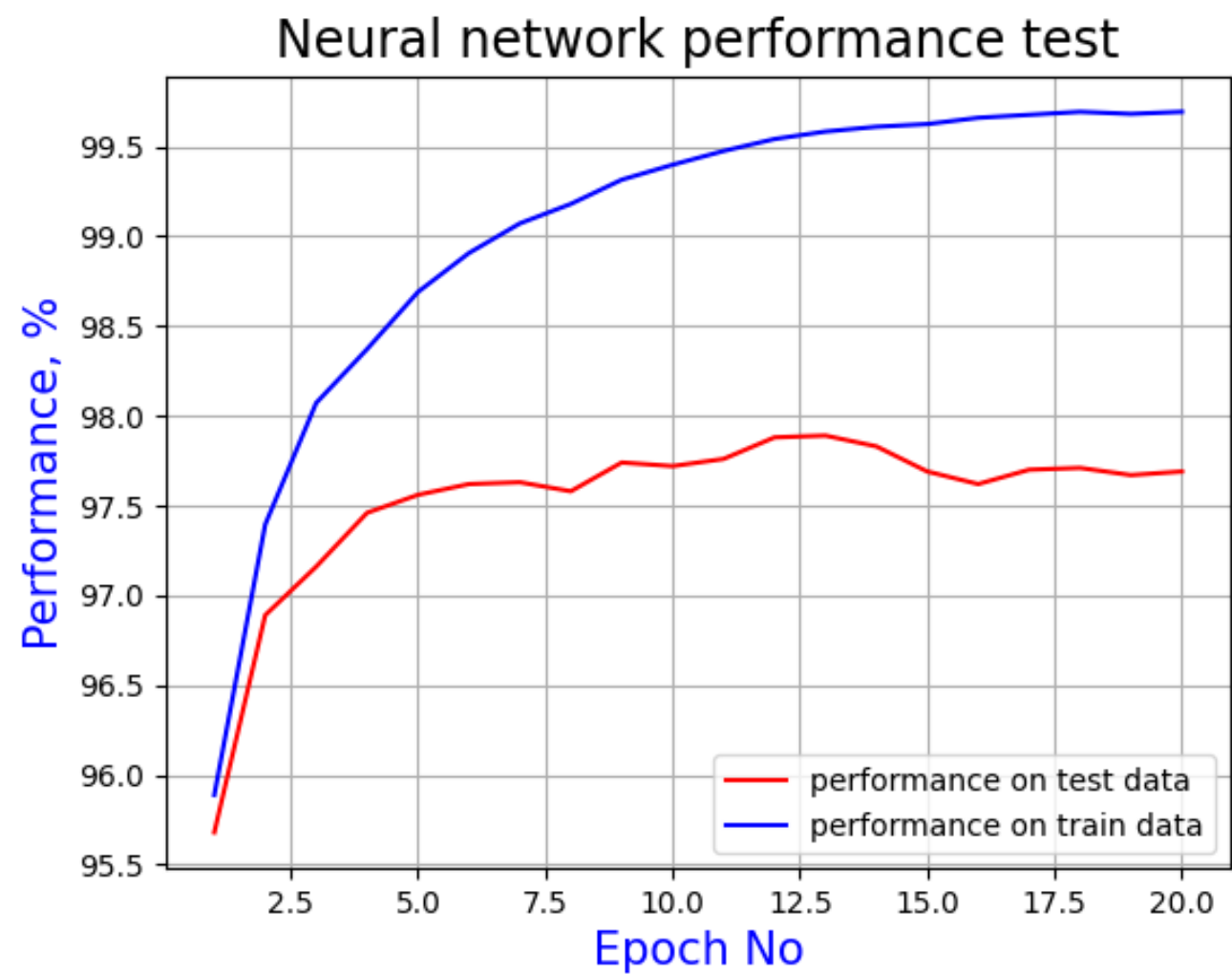
Nodes in input layer: 784

Nodes in out layer: 10

Nodes in hidden layer: 500

Total epochs number: 20

Leaning rate: 0.1



Neural network performance change through the epochs

Epoch	Performance on test data, %	Performance on train data, %
1	95.68	95.89
2	96.89	97.4
3	97.16	98.07

4	97.46	98.37
5	97.56	98.69
6	97.62	98.91
7	97.63	99.07
8	97.58	99.18
9	97.74	99.32
10	97.72	99.4
11	97.76	99.48
12	97.88	99.54
13	97.89	99.58
14	97.83	99.61
15	97.69	99.62
16	97.62	99.66
17	97.7	99.68
18	97.71	99.69
19	97.67	99.68
20	97.69	99.69