

Report about neural network training and performance

Hyper parameters

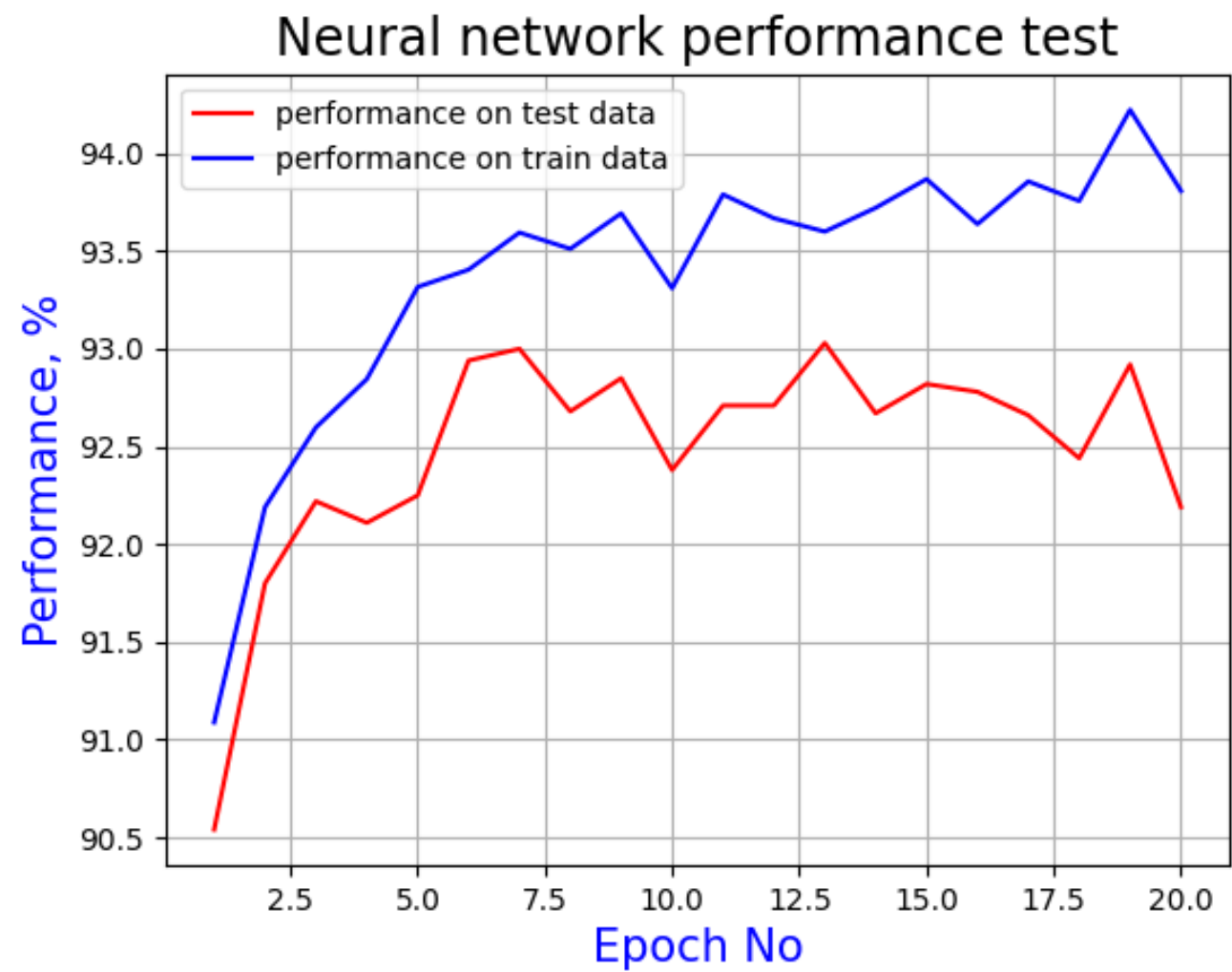
Nodes in input layer: 784

Nodes in out layer: 10

Nodes in hidden layer: 20

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	90.54	91.09
2	91.8	92.19
3	92.22	92.6

4	92.11	92.84
5	92.25	93.32
6	92.94	93.4
7	93.0	93.6
8	92.68	93.51
9	92.85	93.69
10	92.38	93.31
11	92.71	93.79
12	92.71	93.67
13	93.03	93.6
14	92.67	93.72
15	92.82	93.87
16	92.78	93.64
17	92.66	93.86
18	92.44	93.76
19	92.92	94.22
20	92.19	93.81