

Report about neural network training and performance

Hyper parameters

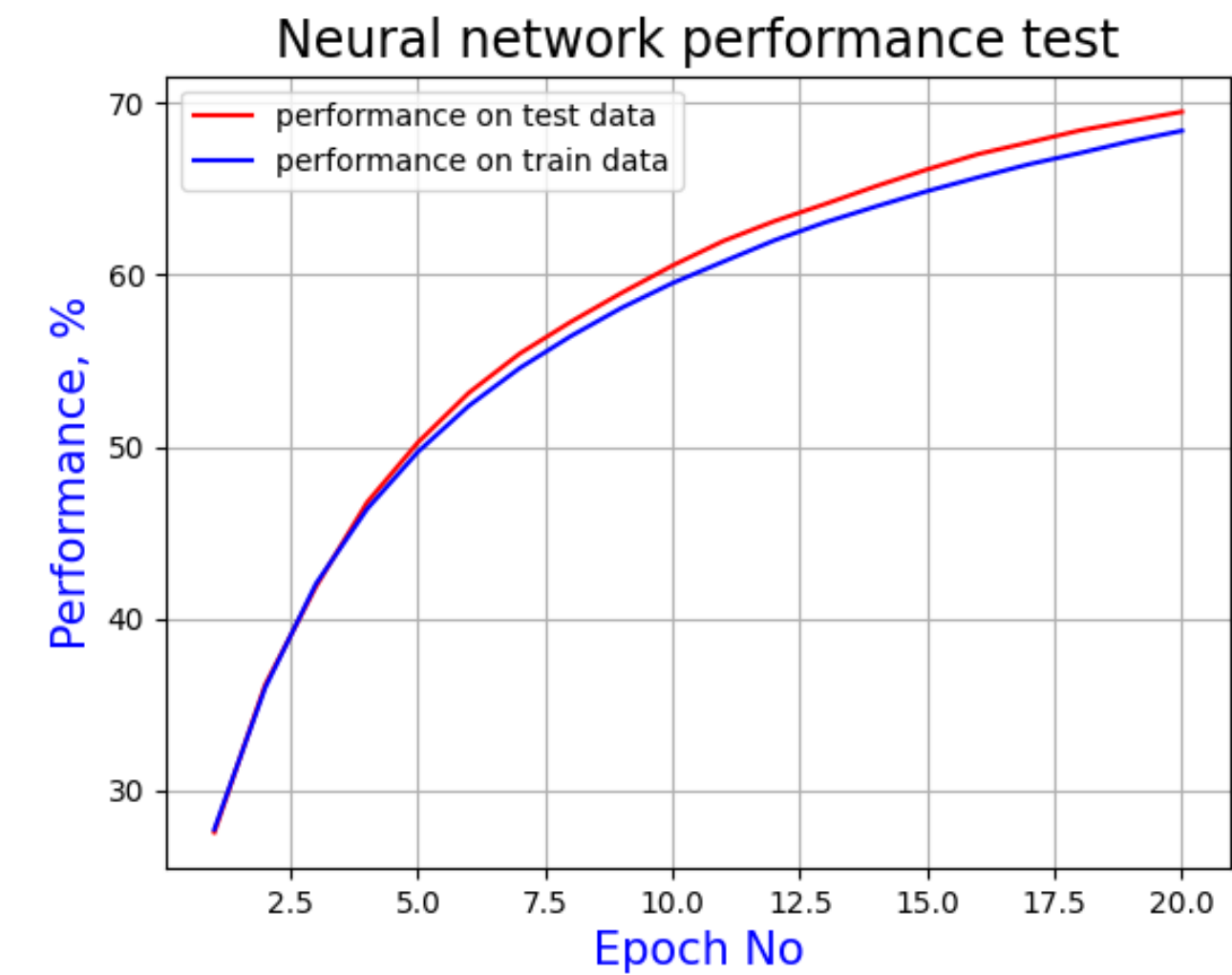
Nodes in input layer: 784

Nodes in out layer: 10

Nodes in hidden layer: 500

Total epochs number: 20

Leaning rate: 1e-05



Neural network performance change through the epochs

Epoch	Performance on test data, %	Performance on train data, %
1	27.57	27.74
2	36.16	35.99
3	41.89	42.05

4	46.77	46.38
5	50.26	49.72
6	53.15	52.39
7	55.43	54.59
8	57.27	56.44
9	58.96	58.09
10	60.55	59.53
11	61.98	60.78
12	63.13	62.02
13	64.13	63.07
14	65.17	63.99
15	66.14	64.88
16	67.03	65.68
17	67.71	66.44
18	68.41	67.09
19	68.95	67.78
20	69.49	68.39