Batch size

Optimizers

Filter size

1.batch size = 32

Filter size 1,2,3

Optimizer: adam optimizer

Output:

Evaluation:

2018-07-17T12:31:12.259150: step 400, loss 0.324454, acc 0.833333

2.

batch size = 32

Filter size 1,2,3

Optimizer: adagrad optimizer

Output:

Evaluation:

2018-07-17T12:35:22.165275: step 400, loss 0.807657, acc 0.5

3.

batch size = 32

Filter size 1,2,3

Optimizer: gradient descent optimizer

Output:

Evaluation:

2018-07-17T12:37:09.764071: step 400, loss 0.687428, acc 0.5

4.

batch size = 32

Filter size 1,2,3

Optimizer: RMSPropoptimizer

Output:

Evaluation:

2018-07-17T12:40:26.793429: step 400, loss 0.112042, acc 1

5.

Batch size =64

Filter size 4,5,6

Optimizer: RMSProp optimizer

Output:

Evaluation:

2018-07-17T12:43:13.601994: step 200, loss 0.551391, acc 0.833333

6.

Batch size =128

Filter size 4,5,6

Optimizer: RMSProp optimizer

Output:

Evaluation:

2018-07-17T12:45:39.401127: step 200, loss 0.437171, acc 1