

MINI-BATCH-SGD(NN, data, k)

1 $n = \text{length}(\text{data})$

2 **while** not done:

3 RANDOM-SHUFFLE(data)

4 **for** $i = 1$ **to** $\lceil n/k \rceil$

5 BATCH-GRADIENT-UPDATE(NN, data[($i - 1$) k : ik])