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1 C:\Users\USER\anaconda3\envs\tensor\pythonw.exe "D:/
python/machine learning/deep_learning_iris/
deep_learning_iris.py"
2 Using TensorFlow backend.
3 2020-11-17 21:12:58.125685: I tensorflow/core/
platform/cpu_feature_guard.cc:142] Your CPU supports
instructions that this TensorFlow binary was not
compiled to use: AVX AVX2
4 Epoch 1/10
5
6   1/149 [.....] - ETA: 12s
   - loss: 0.6785 - accuracy: 1.0000
7  64/149 [=====>.....] - ETA: 0s -
   loss: 1.5589 - accuracy: 0.1562
8 123/149 [=====>.....] - ETA: 0s -
   loss: 1.4176 - accuracy: 0.2276
9 149/149 [=====] - 0s 1ms/
   step - loss: 1.3833 - accuracy: 0.2483
10 Epoch 2/10
11
12   1/149 [.....] - ETA: 0s -
   loss: 0.8840 - accuracy: 1.0000
13  35/149 [=====>.....] - ETA: 0s -
   loss: 1.2356 - accuracy: 0.3429
14  94/149 [=====>.....] - ETA: 0s -
   loss: 1.1550 - accuracy: 0.3191
15 149/149 [=====] - 0s 991us/
   step - loss: 1.1175 - accuracy: 0.3221
16 Epoch 3/10
17
18   1/149 [.....] - ETA: 0s -
   loss: 0.8252 - accuracy: 1.0000
19  63/149 [=====>.....] - ETA: 0s -
   loss: 0.9885 - accuracy: 0.5397
20 116/149 [=====>.....] - ETA: 0s -
   loss: 0.9536 - accuracy: 0.5776
21 149/149 [=====] - 0s 896us/
   step - loss: 0.9305 - accuracy: 0.6107
22 Epoch 4/10
23
24   1/149 [.....] - ETA: 0s -
   loss: 0.6524 - accuracy: 1.0000
25  55/149 [=====>.....] - ETA: 0s -
   loss: 0.7966 - accuracy: 0.6909
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26 112/149 [=====>.....] - ETA: 0s -
    loss: 0.8167 - accuracy: 0.6429
27 149/149 [=====] - 0s 944us/
    step - loss: 0.7926 - accuracy: 0.6779
28 Epoch 5/10
29
30 1/149 [.....] - ETA: 0s -
    loss: 0.4741 - accuracy: 1.0000
31 55/149 [=====>.....] - ETA: 0s -
    loss: 0.7732 - accuracy: 0.6727
32 109/149 [=====>.....] - ETA: 0s -
    loss: 0.7360 - accuracy: 0.6881
33 149/149 [=====] - 0s 918us/
    step - loss: 0.6971 - accuracy: 0.7315
34 Epoch 6/10
35
36 1/149 [.....] - ETA: 0s -
    loss: 1.0212 - accuracy: 0.0000e+00
37 63/149 [=====>.....] - ETA: 0s -
    loss: 0.6412 - accuracy: 0.6667
38 119/149 [=====>.....] - ETA: 0s -
    loss: 0.6337 - accuracy: 0.6807
39 149/149 [=====] - 0s 897us/
    step - loss: 0.6281 - accuracy: 0.7181
40 Epoch 7/10
41
42 1/149 [.....] - ETA: 0s -
    loss: 0.6249 - accuracy: 1.0000
43 52/149 [=====>.....] - ETA: 0s -
    loss: 0.5884 - accuracy: 0.7308
44 112/149 [=====>.....] - ETA: 0s -
    loss: 0.5785 - accuracy: 0.7857
45 149/149 [=====] - 0s 904us/
    step - loss: 0.5714 - accuracy: 0.8255
46 Epoch 8/10
47
48 1/149 [.....] - ETA: 0s -
    loss: 0.8974 - accuracy: 0.0000e+00
49 59/149 [=====>.....] - ETA: 0s -
    loss: 0.5120 - accuracy: 0.7288
50 106/149 [=====>.....] - ETA: 0s -
    loss: 0.5106 - accuracy: 0.7453
51 149/149 [=====] - 0s 1ms/
    step - loss: 0.5277 - accuracy: 0.7315

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52 Epoch 9/10
53
54   1/149 [.....] - ETA: 0s -
    loss: 0.6606 - accuracy: 1.0000
55  55/149 [=====>.....] - ETA: 0s -
    loss: 0.5267 - accuracy: 0.7636
56 103/149 [=====>.....] - ETA: 0s -
    loss: 0.4944 - accuracy: 0.8155
57 149/149 [=====] - 0s 984us/
    step - loss: 0.4985 - accuracy: 0.8188
58 Epoch 10/10
59
60   1/149 [.....] - ETA: 0s -
    loss: 0.1475 - accuracy: 1.0000
61  56/149 [=====>.....] - ETA: 0s -
    loss: 0.4795 - accuracy: 0.9464
62 115/149 [=====>.....] - ETA: 0s -
    loss: 0.4825 - accuracy: 0.9217
63 149/149 [=====] - 0s 910us/
    step - loss: 0.4687 - accuracy: 0.9329
64 Model: "sequential_1"
65 -----
66 Layer (type)                Output Shape
        Param #
67 =====
        =====
68 dense_1 (Dense)              (None, 9
        )                  45
69 -----
69 -----
70 dense_2 (Dense)              (None, 3
        )                  30
71 =====
        =====
72 Total params: 75
73 Trainable params: 75
74 Non-trainable params: 0
75 -----
76 -----
77 Process finished with exit code 0
78

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