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1 C:\Python35\python.exe M:/ce888/ce888-assignment2/n+
  1_conv_autoencoder_cifar10.py
2 Using TensorFlow backend.
3 x_train shape: (50000, 32, 32, 3)
4 50000 train samples
5 10000 test samples
6 Train on 50000 samples, validate on 10000 samples
7 Epoch 1/21
8 2018-04-17 11:52:09.009489: W C:\tf_jenkins\home\workspace
  \rel-win\M\windows\PY\35\tensorflow\core\platform\
  cpu_feature_guard.cc:45] The TensorFlow library wasn't
  compiled to use AVX instructions, but these are available
  on your machine and could speed up CPU computations.
9 2018-04-17 11:52:09.009742: W C:\tf_jenkins\home\workspace
  \rel-win\M\windows\PY\35\tensorflow\core\platform\
  cpu_feature_guard.cc:45] The TensorFlow library wasn't
  compiled to use AVX2 instructions, but these are available
  on your machine and could speed up CPU computations.
10 50000/50000 [=====] - 500s - loss
    : 0.5828 - val_loss: 0.5746
11 Epoch 2/21
12 50000/50000 [=====] - 534s - loss
    : 0.5726 - val_loss: 0.5706
13 Epoch 3/21
14 50000/50000 [=====] - 519s - loss
    : 0.5698 - val_loss: 0.5684
15 Epoch 4/21
16 50000/50000 [=====] - 500s - loss
    : 0.5683 - val_loss: 0.5703
17 Epoch 5/21
18 50000/50000 [=====] - 505s - loss
    : 0.5673 - val_loss: 0.5665
19 Epoch 6/21
20 50000/50000 [=====] - 501s - loss
    : 0.5664 - val_loss: 0.5669
21 Epoch 7/21
22 50000/50000 [=====] - 501s - loss
    : 0.5660 - val_loss: 0.5649
23 Epoch 8/21
24 50000/50000 [=====] - 501s - loss
    : 0.5656 - val_loss: 0.5648
25 Epoch 9/21
26 50000/50000 [=====] - 499s - loss
    : 0.5652 - val_loss: 0.5643
27 Epoch 10/21
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28 50000/50000 [=====] - 498s - loss
   : 0.5649 - val_loss: 0.5659
29 Epoch 11/21
30 50000/50000 [=====] - 505s - loss
   : 0.5648 - val_loss: 0.5642
31 Epoch 12/21
32 50000/50000 [=====] - 506s - loss
   : 0.5644 - val_loss: 0.5635
33 Epoch 13/21
34 50000/50000 [=====] - 507s - loss
   : 0.5643 - val_loss: 0.5650
35 Epoch 14/21
36 50000/50000 [=====] - 503s - loss
   : 0.5641 - val_loss: 0.5633
37 Epoch 15/21
38 50000/50000 [=====] - 499s - loss
   : 0.5641 - val_loss: 0.5632
39 Epoch 16/21
40 50000/50000 [=====] - 501s - loss
   : 0.5638 - val_loss: 0.5640
41 Epoch 17/21
42 50000/50000 [=====] - 506s - loss
   : 0.5637 - val_loss: 0.5631
43 Epoch 18/21
44 50000/50000 [=====] - 493s - loss
   : 0.5637 - val_loss: 0.5636
45 Epoch 19/21
46 50000/50000 [=====] - 484s - loss
   : 0.5635 - val_loss: 0.5635
47 Epoch 20/21
48 50000/50000 [=====] - 482s - loss
   : 0.5635 - val_loss: 0.5632
49 Epoch 21/21
50 50000/50000 [=====] - 480s - loss
   : 0.5635 - val_loss: 0.5634
51 =====
   ====
52 The loss on x_test : 0.563397900009
53 The accuracy on x_test : 0.436602099991
54 =====
   ====
55 The loss on x_train : 0.562454777565
56 The accuracy on x_train : 0.437545222435
57 =====
   =====
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58 The loss on x1_train : -1902.917722343750
59 The accuracy on x1_train : 1903.917722343750
60 =====
    =====
61 The loss on x2_train : -1902.914086796875
62 The accuracy on x2_train : 1903.914086796875
63 =====
    =====
64 The loss on x3_train : -1902.915670390625
65 The accuracy on x3_train : 1903.915670390625
66
67 Process finished with exit code 0
68
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