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1 E:\miniconda3\envs\pytorch\python.exe E:\desktop\
  DeepLearning\cat_vs_dog\resnet18_CBAM.py
2 Training:  0%|          | 0/547 [00:00<?, ?it/s]
  Epoch 1/20
3 -----
4 Training: 100%|██████████| 547/547 [00:58<00:00,  9.
  33it/s]
5 Validating:  0%|          | 0/157 [00:00<?, ?it/s]
  Train Loss: 0.6428 Acc: 0.6328
6 Validating: 100%|██████████| 157/157 [00:31<00:00,  4
  .95it/s]
7 Val Loss: 0.6707 Acc: 0.5898
8 Epoch 2/20
9 -----
10 Training: 100%|██████████| 547/547 [00:59<00:00,  9.
  13it/s]
11 Validating:  0%|          | 0/157 [00:00<?, ?it/s]
  Train Loss: 0.6279 Acc: 0.6539
12 Validating: 100%|██████████| 157/157 [00:23<00:00,  6
  .76it/s]
13 Val Loss: 0.6473 Acc: 0.6282
14 Training:  0%|          | 0/547 [00:00<?, ?it/s]
  Epoch 3/20
15 -----
16 Training: 100%|██████████| 547/547 [01:00<00:00,  9.
  10it/s]
17 Validating:  0%|          | 0/157 [00:00<?, ?it/s]
  Train Loss: 0.6071 Acc: 0.6767
18 Validating: 100%|██████████| 157/157 [00:22<00:00,  6
  .94it/s]
19 Val Loss: 0.5778 Acc: 0.6846
20 Epoch 4/20
21 -----
22 Training: 100%|██████████| 547/547 [01:00<00:00,  9.
  06it/s]
23 Validating:  0%|          | 0/157 [00:00<?, ?it/s]
  Train Loss: 0.5841 Acc: 0.6965
24 Validating: 100%|██████████| 157/157 [00:22<00:00,  6
  .93it/s]
25 Val Loss: 0.5220 Acc: 0.7512
26 Epoch 5/20

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27 -----
28 Training: 100%|██████████| 547/547 [01:00<00:00, 9.
   06it/s]
29 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
   Train Loss: 0.5659 Acc: 0.7119
30 Validating: 100%|██████████| 157/157 [00:22<00:00, 7
   .00it/s]
31 Training: 0%|          | 0/547 [00:00<?, ?it/s]Val
   Loss: 0.5429 Acc: 0.7272
32 Epoch 6/20
33 -----
34 Training: 100%|██████████| 547/547 [01:00<00:00, 9.
   01it/s]
35 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
   Train Loss: 0.5470 Acc: 0.7259
36 Validating: 100%|██████████| 157/157 [00:25<00:00, 6
   .05it/s]
37 Training: 0%|          | 0/547 [00:00<?, ?it/s]Val
   Loss: 0.5395 Acc: 0.7450
38 Epoch 7/20
39 -----
40 Training: 100%|██████████| 547/547 [01:03<00:00, 8.
   65it/s]
41 Train Loss: 0.5322 Acc: 0.7317
42 Validating: 100%|██████████| 157/157 [00:23<00:00, 6
   .76it/s]
43 Val Loss: 0.4502 Acc: 0.7914
44 Training: 0%|          | 0/547 [00:00<?, ?it/s]
   Epoch 8/20
45 -----
46 Training: 100%|██████████| 547/547 [01:11<00:00, 7.
   64it/s]
47 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
   Train Loss: 0.5033 Acc: 0.7525
48 Validating: 100%|██████████| 157/157 [00:21<00:00, 7
   .14it/s]
49 Val Loss: 0.4211 Acc: 0.8048
50 Epoch 9/20
51 -----
52 Training: 100%|██████████| 547/547 [01:11<00:00, 7.
   61it/s]

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53 Train Loss: 0.4837 Acc: 0.7647
54 Validating: 100%|██████████| 157/157 [00:22<00:00, 7
    .08it/s]
55 Val Loss: 0.3866 Acc: 0.8228
56 Training: 0%|██████████| 0/547 [00:00<?, ?it/s]
    Epoch 10/20
57 -----
58 Training: 100%|██████████| 547/547 [01:12<00:00, 7.
    52it/s]
59 Train Loss: 0.4564 Acc: 0.7845
60 Validating: 100%|██████████| 157/157 [00:24<00:00, 6
    .50it/s]
61 Val Loss: 0.3609 Acc: 0.8360
62 Epoch 11/20
63 -----
64 Training: 100%|██████████| 547/547 [01:14<00:00, 7.
    33it/s]
65 Validating: 0%|██████████| 0/157 [00:00<?, ?it/s]
    Train Loss: 0.4329 Acc: 0.7943
66 Validating: 100%|██████████| 157/157 [00:24<00:00, 6
    .52it/s]
67 Val Loss: 0.3648 Acc: 0.8266
68 Epoch 12/20
69 -----
70 Training: 100%|██████████| 547/547 [01:14<00:00, 7.
    36it/s]
71 Validating: 0%|██████████| 0/157 [00:00<?, ?it/s]
    Train Loss: 0.4229 Acc: 0.8046
72 Validating: 100%|██████████| 157/157 [00:24<00:00, 6
    .43it/s]
73 Val Loss: 0.3319 Acc: 0.8454
74 Epoch 13/20
75 -----
76 Training: 100%|██████████| 547/547 [01:13<00:00, 7.
    40it/s]
77 Validating: 0%|██████████| 0/157 [00:00<?, ?it/s]
    Train Loss: 0.3991 Acc: 0.8142
78 Validating: 100%|██████████| 157/157 [00:23<00:00, 6
    .61it/s]
79 Val Loss: 0.2987 Acc: 0.8696
80 Training: 0%|██████████| 0/547 [00:00<?, ?it/s]

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80 Epoch 14/20
81 -----
82 Training: 100%|██████████| 547/547 [01:14<00:00, 7.
    35it/s]
83 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.3885 Acc: 0.8187
84 Validating: 100%|██████████| 157/157 [00:24<00:00,
    6.53it/s]
85 Val Loss: 0.2935 Acc: 0.8714
86 Epoch 15/20
87 -----
88 Training: 100%|██████████| 547/547 [01:15<00:00, 7.
    28it/s]
89 Train Loss: 0.3686 Acc: 0.8284
90 Validating: 100%|██████████| 157/157 [00:24<00:00,
    6.32it/s]
91 Val Loss: 0.2508 Acc: 0.8866
92 Epoch 16/20
93 -----
94 Training: 100%|██████████| 547/547 [01:14<00:00, 7.
    36it/s]
95 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.3475 Acc: 0.8403
96 Validating: 100%|██████████| 157/157 [00:24<00:00,
    6.33it/s]
97 Training: 0%|          | 0/547 [00:00<?, ?it/s]Val
    Loss: 0.3092 Acc: 0.8604
98 Epoch 17/20
99 -----
100 Training: 100%|██████████| 547/547 [01:14<00:00, 7.
    30it/s]
101 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.3459 Acc: 0.8402
102 Validating: 100%|██████████| 157/157 [00:23<00:00,
    6.59it/s]
103 Val Loss: 0.2659 Acc: 0.8786
104 Epoch 18/20
105 -----
106 Training: 100%|██████████| 547/547 [01:16<00:00, 7.
    17it/s]
107 Train Loss: 0.3354 Acc: 0.8443

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108 Validating: 100%|██████████| 157/157 [00:21<00:00,
    7.14it/s]
109 Val Loss: 0.2442 Acc: 0.8892
110 Epoch 19/20
111 -----
112 Training: 100%|██████████| 547/547 [01:12<00:00, 7.
    58it/s]
113 Validating: 0%|██████████| 0/157 [00:00<?, ?it/s]
    Train Loss: 0.3244 Acc: 0.8487
114 Validating: 100%|██████████| 157/157 [00:22<00:00,
    7.03it/s]
115 Training: 0%|██████████| 0/547 [00:00<?, ?it/s]Val
    Loss: 0.2590 Acc: 0.8840
116 Epoch 20/20
117 -----
118 Training: 100%|██████████| 547/547 [01:13<00:00, 7.
    43it/s]
119 Train Loss: 0.3170 Acc: 0.8560
120 Validating: 100%|██████████| 157/157 [00:22<00:00,
    7.00it/s]
121 Val Loss: 0.2224 Acc: 0.9016
122 Traceback (most recent call last):
123   File "E:\desktop\DeepLearning\cat_vs_dog\
    resnet18_CBAM.py", line 359, in <module>
124     model = train_model(model, criterion, optimizer
    , num_epochs=20)
125   File "E:\desktop\DeepLearning\cat_vs_dog\
    resnet18_CBAM.py", line 323, in train_model
126     plt.plot(train_accs, label='Train Acc')
127   File "E:\miniconda3\envs\pytorch\Lib\site-packages
    \matplotlib\pyplot.py", line 3794, in plot
128     return gca().plot(
129   File "E:\miniconda3\envs\pytorch\Lib\site-packages
    \matplotlib\axes\_axes.py", line 1779, in plot
130     lines = [*self._get_lines(self, *args, data=data
    , **kwargs)]
131   File "E:\miniconda3\envs\pytorch\Lib\site-packages
    \matplotlib\axes\_base.py", line 296, in __call__
132     yield from self._plot_args(
133   File "E:\miniconda3\envs\pytorch\Lib\site-packages
    \matplotlib\axes\_base.py", line 478, in _plot_args

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134     x, y = index_of(xy[-1])
135     File "E:\miniconda3\envs\pytorch\Lib\site-packages
      \matplotlib\cbook.py", line 1719, in index_of
136         y = _check_1d(y)
137     File "E:\miniconda3\envs\pytorch\Lib\site-packages
      \matplotlib\cbook.py", line 1411, in _check_1d
138         return np.atleast_1d(x)
139     File "E:\miniconda3\envs\pytorch\Lib\site-packages
      \numpy\core\shape_base.py", line 65, in atleast_1d
140         ary = asanyarray(ary)
141     File "E:\miniconda3\envs\pytorch\Lib\site-packages
      \torch\_tensor.py", line 1225, in __array__
142         return self.numpy()
143 TypeError: can't convert cuda:0 device type tensor
      to numpy. Use Tensor.cpu() to copy the tensor to
      host memory first.
144
145 ██████████ 1
146

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