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1 "C:\Program Files\Python37\python.exe" "C:/Users/JDEAGAN/OneDrive - Environmental Protection Agency (EPA)/Profile/Desktop/Projects/AI/ArtificialIntel/BuildingIdentifier/ImageAnnotation/KerasTunerDeagan.py"
2 2021-10-22 08:46:41.003610: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cudart64_110.dll'; dlerror: cudart64_110.dll not found
3 2021-10-22 08:46:41.004224: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore above cudart dlerror if you do not have a GPU set up on your machine.
4 THIS IS THE PROPER KERAS TUNER
   ////////////////////////////////////////
   ////////////////////////////////////////
   ////////////////////////////////////////
   ////////////////////////////////////////
   //
5 2.6.0
6 Found 7811 files belonging to 6 classes.
7 Using 6249 files for training.
8 2021-10-22 08:46:57.792684: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'nvcuda.dll'; dlerror: nvcuda.dll not found
9 2021-10-22 08:46:57.793132: W tensorflow/stream_executor/cuda/cuda_driver.cc:269] failed call to cuInit: UNKNOWN ERROR (303)
10 2021-10-22 08:46:57.853404: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169] retrieving CUDA diagnostic information for host: D26265VWTB0E
11 2021-10-22 08:46:57.854048: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176] hostname: D26265VWTB0E
12 2021-10-22 08:46:57.854670: I tensorflow/core/platform/cpu_feature_guard.cc:142] This TensorFlow binary is optimized with oneAPI Deep Neural Network Library (oneDNN) to use the following CPU instructions in performance-critical operations: AVX AVX2

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13 To enable them in other operations, rebuild
    TensorFlow with the appropriate compiler flags.
14 Found 7811 files belonging to 6 classes.
15 Using 1562 files for validation.
16 Found 864 files belonging to 6 classes.
17 Model: "sequential"
18 -----
19 Layer (type)                Param #           Output Shape
20 -----
21 rescaling (Rescaling)      (None, 256, 256, 3
    )              0
22 -----
23 random_flip (RandomFlip)   (None, 256, 256, 3
    )              0
24 -----
25 random_rotation (RandomRotat (None, 256, 256, 3
    )              0
26 -----
27 conv2d (Conv2D)            (None, 254, 254, 64
    )            1792
28 -----
29 conv2d_1 (Conv2D)          (None, 252, 252, 64
    )           36928
30 -----
31 max_pooling2d (MaxPooling2D) (None, 126, 126, 64
    )              0
32 -----
33 conv2d_2 (Conv2D)          (None, 124, 124, 128
    )           73856
34 -----
35 conv2d_3 (Conv2D)          (None, 122, 122, 128

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35 )      147584
36 -----
37 max_pooling2d_1 (MaxPooling2 (None, 61, 61, 128
   )      0
38 -----
39 conv2d_4 (Conv2D)      (None, 59, 59, 256
   )      295168
40 -----
41 conv2d_5 (Conv2D)      (None, 57, 57, 256
   )      590080
42 -----
43 max_pooling2d_2 (MaxPooling2 (None, 28, 28, 256
   )      0
44 -----
45 conv2d_6 (Conv2D)      (None, 26, 26, 512
   )      1180160
46 -----
47 conv2d_7 (Conv2D)      (None, 24, 24, 512
   )      2359808
48 -----
49 max_pooling2d_3 (MaxPooling2 (None, 12, 12, 512
   )      0
50 -----
51 conv2d_8 (Conv2D)      (None, 10, 10, 512
   )      2359808
52 -----
53 conv2d_9 (Conv2D)      (None, 8, 8, 512
   )      2359808
54 -----
55 max_pooling2d_4 (MaxPooling2 (None, 4, 4, 512
   )      0

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56 -----
57 flatten (Flatten)                (None, 8192
   )                                0
58 -----
59 dense (Dense)                    (None, 4096
   )                                33558528
60 -----
61 dense_1 (Dense)                  (None, 4096
   )                                16781312
62 -----
63 dense_2 (Dense)                  (None, 1000
   )                                4097000
64 -----
65 dense_3 (Dense)                  (None, 6
   )                                6006
66 =====
67 Total params: 63,847,838
68 Trainable params: 63,847,838
69 Non-trainable params: 0
70 -----
71 Epoch 1/10
72 2021-10-22 08:47:01.691777: I tensorflow/compiler/
   mlir/mlir_graph_optimization_pass.cc:185] None of the
   MLIR Optimization Passes are enabled (registered 2)
73 2/196 [.....] - ETA: 1:05:
   27 - loss: 4.9840 - accuracy: 0.29692021-10-22 08:47:
   44.452700: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
74 4/196 [.....] - ETA: 1:05:
   38 - loss: 3.3787 - accuracy: 0.29692021-10-22 08:48:
   25.930845: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
75 5/196 [.....] - ETA: 1:04:
   23 - loss: 3.0365 - accuracy: 0.28122021-10-22 08:48:

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75 45.405301: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
76 13/196 [>.....] - ETA: 56:
   40 - loss: 2.2690 - accuracy: 0.33892021-10-22 08:51
   :07.357994: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
77 46/196 [=====>.....] - ETA: 42:
   59 - loss: 1.6294 - accuracy: 0.41712021-10-22 09:00
   :18.105443: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
78 47/196 [=====>.....] - ETA: 42:
   41 - loss: 1.6285 - accuracy: 0.41692021-10-22 09:00
   :34.909288: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
79 56/196 [=====>.....] - ETA: 40:
   06 - loss: 1.5772 - accuracy: 0.42692021-10-22 09:03
   :09.586415: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
80 59/196 [=====>.....] - ETA: 39:
   11 - loss: 1.5673 - accuracy: 0.42582021-10-22 09:03
   :59.862627: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
81 60/196 [=====>.....] - ETA: 38:
   52 - loss: 1.5655 - accuracy: 0.42712021-10-22 09:04
   :16.291366: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
82 65/196 [=====>.....] - ETA: 37:
   16 - loss: 1.5485 - accuracy: 0.42642021-10-22 09:05
   :37.099528: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
83 73/196 [=====>.....] - ETA: 35:
   05 - loss: 1.5295 - accuracy: 0.42552021-10-22 09:07
   :57.103681: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
84 76/196 [=====>.....] - ETA: 34:
   13 - loss: 1.5208 - accuracy: 0.42682021-10-22 09:08
   :47.880278: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
85 82/196 [=====>.....] - ETA: 32:
   24 - loss: 1.5093 - accuracy: 0.42682021-10-22 09:10
   :25.501016: W tensorflow/core/lib/png/png_io.cc:88]
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85 PNG warning: iCCP: known incorrect sRGB profile
86 87/196 [=====>.....] - ETA: 30:
51 - loss: 1.5016 - accuracy: 0.42462021-10-22 09:11
:44.827171: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
87 92/196 [=====>.....] - ETA: 29:
21 - loss: 1.4921 - accuracy: 0.42662021-10-22 09:13
:06.089894: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
88 96/196 [=====>.....] - ETA: 28:
10 - loss: 1.4873 - accuracy: 0.42942021-10-22 09:14
:10.324498: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
89 109/196 [=====>.....] - ETA: 24:
31 - loss: 1.4707 - accuracy: 0.43862021-10-22 09:17
:50.378722: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
90 118/196 [=====>.....] - ETA: 21:
58 - loss: 1.4641 - accuracy: 0.43782021-10-22 09:20
:21.318872: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
91 120/196 [=====>.....] - ETA: 21:
23 - loss: 1.4613 - accuracy: 0.43932021-10-22 09:20
:53.879190: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
92 122/196 [=====>.....] - ETA: 20:
48 - loss: 1.4593 - accuracy: 0.43982021-10-22 09:21
:26.616950: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
93 2021-10-22 09:21:27.184547: W tensorflow/core/lib/
png/png_io.cc:88] PNG warning: iCCP: known incorrect
sRGB profile
94 127/196 [=====>.....] - ETA: 19:
23 - loss: 1.4513 - accuracy: 0.44222021-10-22 09:22
:48.523145: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
95 130/196 [=====>.....] - ETA: 18:
33 - loss: 1.4552 - accuracy: 0.44182021-10-22 09:23
:40.800799: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
96 131/196 [=====>.....] - ETA: 18:
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96 16 - loss: 1.4516 - accuracy: 0.44322021-10-22 09:23
:58.130076: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
97 134/196 [=====>.....] - ETA: 17:
27 - loss: 1.4498 - accuracy: 0.44362021-10-22 09:24
:51.663394: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
98 136/196 [=====>.....] - ETA: 16:
54 - loss: 1.4472 - accuracy: 0.44372021-10-22 09:25
:25.836414: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
99 2021-10-22 09:25:25.837085: W tensorflow/core/lib/
png/png_io.cc:88] PNG warning: iCCP: known incorrect
sRGB profile
100 155/196 [=====>.....] - ETA: 11:
45 - loss: 1.4335 - accuracy: 0.44682021-10-22 09:31
:35.341448: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
101 166/196 [=====>.....] - ETA: 8:40
- loss: 1.4305 - accuracy: 0.44542021-10-22 09:35:
04.826927: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
102 172/196 [=====>.....] - ETA: 6:59
- loss: 1.4256 - accuracy: 0.44792021-10-22 09:37:
10.747419: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
103 174/196 [=====>.....] - ETA: 6:24
- loss: 1.4232 - accuracy: 0.44832021-10-22 09:37:
50.863509: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
104 196/196 [=====] - ETA: 0s
- loss: 1.4152 - accuracy: 0.4473 2021-10-22 09:44:
57.048458: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
105 2021-10-22 09:44:57.491585: W tensorflow/core/lib/
png/png_io.cc:88] PNG warning: iCCP: known incorrect
sRGB profile
106 2021-10-22 09:45:07.228623: W tensorflow/core/lib/
png/png_io.cc:88] PNG warning: iCCP: known incorrect
sRGB profile
107 2021-10-22 09:46:42.124936: W tensorflow/core/lib/
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107 png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
108 2021-10-22 09:46:46.932485: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
109 2021-10-22 09:47:46.546739: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
110 196/196 [=====] - 3717s 19s
    /step - loss: 1.4152 - accuracy: 0.4473 - val_loss:
    1.3064 - val_accuracy: 0.4795
111 Epoch 2/10
112 196/196 [=====] - 3646s 19s
    /step - loss: 1.3481 - accuracy: 0.4545 - val_loss:
    1.3092 - val_accuracy: 0.4795
113 Epoch 3/10
114 196/196 [=====] - 3941s 20s
    /step - loss: 1.3456 - accuracy: 0.4545 - val_loss:
    1.3104 - val_accuracy: 0.4795
115 Epoch 4/10
116 196/196 [=====] - 4371s 22s
    /step - loss: 1.3441 - accuracy: 0.4545 - val_loss:
    1.3099 - val_accuracy: 0.4795
117 Epoch 5/10
118 196/196 [=====] - 3808s 19s
    /step - loss: 1.3436 - accuracy: 0.4545 - val_loss:
    1.3100 - val_accuracy: 0.4795
119 Epoch 6/10
120 196/196 [=====] - 4222s 22s
    /step - loss: 1.3435 - accuracy: 0.4545 - val_loss:
    1.3089 - val_accuracy: 0.4795
121 Epoch 7/10
122 196/196 [=====] - 3848s 20s
    /step - loss: 1.3431 - accuracy: 0.4545 - val_loss:
    1.3086 - val_accuracy: 0.4795
123 Epoch 8/10
124 196/196 [=====] - 3977s 20s
    /step - loss: 1.3430 - accuracy: 0.4545 - val_loss:
    1.3083 - val_accuracy: 0.4795
125 Epoch 9/10
126 196/196 [=====] - 3545s 18s
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126 /step - loss: 1.3428 - accuracy: 0.4545 - val_loss:
    1.3080 - val_accuracy: 0.4795
127 Epoch 10/10
128 196/196 [=====] - 3787s 19s
    /step - loss: 1.3426 - accuracy: 0.4545 - val_loss:
    1.3076 - val_accuracy: 0.4795
129 2021-10-22 19:34:46.466365: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
130 2021-10-22 19:34:50.987226: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
131 8/27 [=====>.....] - ETA: 1:32
    - loss: 1.2920 - accuracy: 0.50392021-10-22 19:35:
    24.749065: W tensorflow/core/lib/png/png_io.cc:88]
    PNG warning: iCCP: known incorrect sRGB profile
132 2021-10-22 19:35:24.918543: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
133 2021-10-22 19:35:25.005337: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'desc': ICC profile tag start not a
    multiple of 4
134 2021-10-22 19:35:25.005823: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'wtpt': ICC profile tag start not a
    multiple of 4
135 2021-10-22 19:35:25.006211: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'bkpt': ICC profile tag start not a
    multiple of 4
136 2021-10-22 19:35:25.015785: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'rXYZ': ICC profile tag start not a
    multiple of 4
137 2021-10-22 19:35:25.023328: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'gXYZ': ICC profile tag start not a
    multiple of 4
138 2021-10-22 19:35:25.024069: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
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138 Profile': 'bXYZ': ICC profile tag start not a
    multiple of 4
139 2021-10-22 19:35:25.024458: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'dmnd': ICC profile tag start not a
    multiple of 4
140 2021-10-22 19:35:25.024900: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'dmdd': ICC profile tag start not a
    multiple of 4
141 2021-10-22 19:35:25.025323: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'vued': ICC profile tag start not a
    multiple of 4
142 2021-10-22 19:35:25.025720: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'view': ICC profile tag start not a
    multiple of 4
143 2021-10-22 19:35:25.026182: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'lumi': ICC profile tag start not a
    multiple of 4
144 2021-10-22 19:35:25.026589: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'meas': ICC profile tag start not a
    multiple of 4
145 2021-10-22 19:35:25.026967: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'tech': ICC profile tag start not a
    multiple of 4
146 2021-10-22 19:35:25.027357: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'rTRC': ICC profile tag start not a
    multiple of 4
147 2021-10-22 19:35:25.027760: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'gTRC': ICC profile tag start not a
    multiple of 4
148 2021-10-22 19:35:25.028151: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'bTRC': ICC profile tag start not a
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148 multiple of 4
149 15/27 [=====>.....] - ETA: 55s -
    loss: 1.3312 - accuracy: 0.4917 2021-10-22 19:35:55.
    301614: W tensorflow/core/lib/png/png_io.cc:88] PNG
    warning: iCCP: known incorrect sRGB profile
150 27/27 [=====] - 129s 5s/
    step - loss: 1.3527 - accuracy: 0.4803
151 Accuracy: 0.48032405972480774
152 Loss: 1.3526580333709717
153 end
154
155 Process finished with exit code 0
156
```