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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 2021-10-21 09:03:32.209028: 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 2021-10-21 09:03:32.209470: 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 2021-10-21 09:03:43.760203: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'nvcuda.dll'; dlerror: nvcuda.dll not found
9 2021-10-21 09:03:43.760725: W tensorflow/stream_executor/cuda/cuda_driver.cc:269] failed call to cuInit: UNKNOWN ERROR (303)
10 2021-10-21 09:03:43.783770: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169] retrieving CUDA diagnostic information for host: D26265VWTB0E
11 2021-10-21 09:03:43.784537: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176] hostname: D26265VWTB0E
12 2021-10-21 09:03:43.785244: 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)                Output Shape
                                Param #
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 max_pooling2d (MaxPooling2D) (None, 127, 127, 64
    )                0
30 -----
31 conv2d_1 (Conv2D)          (None, 125, 125, 128
    )            73856
32 -----
33 max_pooling2d_1 (MaxPooling2 (None, 62, 62, 128
    )                0
34 -----
35 conv2d_2 (Conv2D)          (None, 60, 60, 256

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35 )                295168
36 -----
37 conv2d_3 (Conv2D)                (None, 58, 58, 256
   )                590080
38 -----
39 max_pooling2d_2 (MaxPooling2 (None, 29, 29, 256
   )                0
40 -----
41 conv2d_4 (Conv2D)                (None, 27, 27, 512
   )                1180160
42 -----
43 conv2d_5 (Conv2D)                (None, 25, 25, 512
   )                2359808
44 -----
45 max_pooling2d_3 (MaxPooling2 (None, 12, 12, 512
   )                0
46 -----
47 conv2d_6 (Conv2D)                (None, 10, 10, 512
   )                2359808
48 -----
49 conv2d_7 (Conv2D)                (None, 8, 8, 512
   )                2359808
50 -----
51 max_pooling2d_4 (MaxPooling2 (None, 4, 4, 512
   )                0
52 -----
53 flatten (Flatten)                (None, 8192
   )                0
54 -----
55 dense (Dense)                    (None, 4096
   )                33558528

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56 -----
57 dense_1 (Dense)                (None, 4096
   )                16781312
58 -----
59 dense_2 (Dense)                (None, 1000
   )                4097000
60 -----
61 dense_3 (Dense)                (None, 6
   )                6006
62 =====
63 Total params: 63,663,326
64 Trainable params: 63,663,326
65 Non-trainable params: 0
66 -----
67 Epoch 1/10
68 2021-10-21 09:03:47.300304: I tensorflow/compiler/
   mlir/mlir_graph_optimization_pass.cc:185] None of the
   MLIR Optimization Passes are enabled (registered 2)
69   2/196 [.....] - ETA: 38:58
   - loss: 31.3762 - accuracy: 0.46882021-10-21 09:04:
   13.028476: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
70   4/196 [.....] - ETA: 36:38
   - loss: 16.5691 - accuracy: 0.38282021-10-21 09:04:
   35.448937: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
71   5/196 [.....] - ETA: 35:15
   - loss: 13.5657 - accuracy: 0.35002021-10-21 09:04:
   45.433518: W tensorflow/core/lib/png/png_io.cc:88]
   PNG warning: iCCP: known incorrect sRGB profile
72  13/196 [>.....] - ETA: 31:25
   - loss: 6.2684 - accuracy: 0.27642021-10-21 09:06:04
   .860107: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
73  46/196 [=====>.....] - ETA: 25:41
   - loss: 2.7816 - accuracy: 0.37232021-10-21 09:11:43

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73 .510739: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
74 47/196 [=====>.....] - ETA: 25:
31 - loss: 2.7559 - accuracy: 0.37302021-10-21 09:11
:53.777186: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
75 56/196 [=====>.....] - ETA: 24:
01 - loss: 2.5237 - accuracy: 0.39012021-10-21 09:13
:27.497814: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
76 59/196 [=====>.....] - ETA: 23:
27 - loss: 2.4656 - accuracy: 0.39092021-10-21 09:13
:57.133091: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
77 60/196 [=====>.....] - ETA: 23:
17 - loss: 2.4490 - accuracy: 0.39272021-10-21 09:14
:07.146799: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
78 65/196 [=====>.....] - ETA: 22:
24 - loss: 2.3632 - accuracy: 0.39472021-10-21 09:14
:57.949715: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
79 73/196 [=====>.....] - ETA: 21:
00 - loss: 2.2551 - accuracy: 0.39732021-10-21 09:16
:18.972506: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
80 76/196 [=====>.....] - ETA: 20:
31 - loss: 2.2181 - accuracy: 0.39972021-10-21 09:16
:51.063203: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
81 82/196 [=====>.....] - ETA: 19:
35 - loss: 2.1554 - accuracy: 0.40172021-10-21 09:17
:55.966860: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
82 87/196 [=====>.....] - ETA: 18:
56 - loss: 2.1099 - accuracy: 0.40092021-10-21 09:18
:57.793635: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
83 92/196 [=====>.....] - ETA: 18:
06 - loss: 2.0674 - accuracy: 0.40422021-10-21 09:19
:52.202152: W tensorflow/core/lib/png/png_io.cc:88]
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83 PNG warning: iCCP: known incorrect sRGB profile
84 96/196 [=====>.....] - ETA: 17:
22 - loss: 2.0385 - accuracy: 0.40792021-10-21 09:20
:31.860085: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
85 109/196 [=====>.....] - ETA: 15:
01 - loss: 1.9561 - accuracy: 0.41972021-10-21 09:22
:40.269149: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
86 117/196 [=====>.....] - ETA: 13:
35 - loss: 1.9157 - accuracy: 0.42122021-10-21 09:24
:08.385489: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
87 120/196 [=====>.....] - ETA: 13:
04 - loss: 1.9019 - accuracy: 0.42212021-10-21 09:24
:29.688547: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
88 122/196 [=====>.....] - ETA: 12:
44 - loss: 1.8929 - accuracy: 0.42292021-10-21 09:24
:50.944185: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
89 2021-10-21 09:24:51.622776: W tensorflow/core/lib/
png/png_io.cc:88] PNG warning: iCCP: known incorrect
sRGB profile
90 127/196 [=====>.....] - ETA: 11:
51 - loss: 1.8680 - accuracy: 0.42592021-10-21 09:25
:41.182379: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
91 130/196 [=====>.....] - ETA: 11:
21 - loss: 1.8620 - accuracy: 0.42602021-10-21 09:26
:12.454528: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
92 131/196 [=====>.....] - ETA: 11:
10 - loss: 1.8553 - accuracy: 0.42752021-10-21 09:26
:22.955837: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
93 134/196 [=====>.....] - ETA: 10:
39 - loss: 1.8444 - accuracy: 0.42822021-10-21 09:26
:53.002303: W tensorflow/core/lib/png/png_io.cc:88]
PNG warning: iCCP: known incorrect sRGB profile
94 136/196 [=====>.....] - ETA: 10:
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94 19 - loss: 1.8360 - accuracy: 0.42852021-10-21 09:27
    :15.479678: W tensorflow/core/lib/png/png_io.cc:88]
    PNG warning: iCCP: known incorrect sRGB profile
95 2021-10-21 09:27:15.482883: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
96 155/196 [=====>.....] - ETA: 7:02
    - loss: 1.7745 - accuracy: 0.43352021-10-21 09:30:
    27.990413: W tensorflow/core/lib/png/png_io.cc:88]
    PNG warning: iCCP: known incorrect sRGB profile
97 166/196 [=====>.....] - ETA: 5:08
    - loss: 1.7487 - accuracy: 0.43302021-10-21 09:32:
    16.049571: W tensorflow/core/lib/png/png_io.cc:88]
    PNG warning: iCCP: known incorrect sRGB profile
98 172/196 [=====>.....] - ETA: 4:06
    - loss: 1.7328 - accuracy: 0.43592021-10-21 09:33:
    14.973150: W tensorflow/core/lib/png/png_io.cc:88]
    PNG warning: iCCP: known incorrect sRGB profile
99 174/196 [=====>.....] - ETA: 3:45
    - loss: 1.7267 - accuracy: 0.43642021-10-21 09:33:
    34.034621: W tensorflow/core/lib/png/png_io.cc:88]
    PNG warning: iCCP: known incorrect sRGB profile
100 196/196 [=====] - ETA: 0s
    - loss: 1.6855 - accuracy: 0.4367 2021-10-21 09:37:
    16.498601: W tensorflow/core/lib/png/png_io.cc:88]
    PNG warning: iCCP: known incorrect sRGB profile
101 2021-10-21 09:37:16.731803: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
102 2021-10-21 09:37:21.753371: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
103 2021-10-21 09:38:10.780013: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
104 2021-10-21 09:38:13.050582: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
105 2021-10-21 09:38:43.193650: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
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106 196/196 [=====] - 2130s 11s
    /step - loss: 1.6855 - accuracy: 0.4367 - val_loss:
    1.3067 - val_accuracy: 0.4795
107 Epoch 2/10
108 196/196 [=====] - 2497s 13s
    /step - loss: 1.3476 - accuracy: 0.4545 - val_loss:
    1.3074 - val_accuracy: 0.4795
109 Epoch 3/10
110 196/196 [=====] - 2184s 11s
    /step - loss: 1.3460 - accuracy: 0.4545 - val_loss:
    1.3110 - val_accuracy: 0.4795
111 Epoch 4/10
112 196/196 [=====] - 2175s 11s
    /step - loss: 1.3443 - accuracy: 0.4545 - val_loss:
    1.3097 - val_accuracy: 0.4795
113 Epoch 5/10
114 196/196 [=====] - 2446s 12s
    /step - loss: 1.3434 - accuracy: 0.4545 - val_loss:
    1.3079 - val_accuracy: 0.4795
115 Epoch 6/10
116 196/196 [=====] - 2394s 12s
    /step - loss: 1.3430 - accuracy: 0.4545 - val_loss:
    1.3065 - val_accuracy: 0.4795
117 Epoch 7/10
118 196/196 [=====] - 2363s 12s
    /step - loss: 1.3427 - accuracy: 0.4545 - val_loss:
    1.3064 - val_accuracy: 0.4795
119 Epoch 8/10
120 196/196 [=====] - 2344s 12s
    /step - loss: 1.3425 - accuracy: 0.4545 - val_loss:
    1.3062 - val_accuracy: 0.4795
121 Epoch 9/10
122 196/196 [=====] - 2283s 12s
    /step - loss: 1.3424 - accuracy: 0.4545 - val_loss:
    1.3062 - val_accuracy: 0.4795
123 Epoch 10/10
124 196/196 [=====] - 2171s 11s
    /step - loss: 1.3424 - accuracy: 0.4545 - val_loss:
    1.3062 - val_accuracy: 0.4795
125 2021-10-21 15:26:54.263355: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect

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125 sRGB profile
126 1/27 [>.....] - ETA: 1:33
    - loss: 1.1207 - accuracy: 0.50002021-10-21 15:26:
    57.107891: W tensorflow/core/lib/png/png_io.cc:88]
    PNG warning: iCCP: known incorrect sRGB profile
127 8/27 [=====>.....] - ETA: 46s -
    loss: 1.2900 - accuracy: 0.50392021-10-21 15:27:14.
    166182: W tensorflow/core/lib/png/png_io.cc:88] PNG
    warning: iCCP: known incorrect sRGB profile
128 2021-10-21 15:27:14.237711: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: known incorrect
    sRGB profile
129 2021-10-21 15:27:14.276651: 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
130 2021-10-21 15:27:14.277198: 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
131 2021-10-21 15:27:14.277695: 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
132 2021-10-21 15:27:14.278107: 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
133 2021-10-21 15:27:14.278529: 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
134 2021-10-21 15:27:14.307395: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'bXYZ': ICC profile tag start not a
    multiple of 4
135 2021-10-21 15:27:14.307942: 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
136 2021-10-21 15:27:14.320555: W tensorflow/core/lib/
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136 png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'dmdd': ICC profile tag start not a
    multiple of 4
137 2021-10-21 15:27:14.324194: 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
138 2021-10-21 15:27:14.325486: 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
139 2021-10-21 15:27:14.326028: 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
140 2021-10-21 15:27:14.326546: 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
141 2021-10-21 15:27:14.326964: 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
142 2021-10-21 15:27:14.327477: 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
143 2021-10-21 15:27:14.327865: 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
144 2021-10-21 15:27:14.328233: W tensorflow/core/lib/
    png/png_io.cc:88] PNG warning: iCCP: profile 'ICC
    Profile': 'bTRC': ICC profile tag start not a
    multiple of 4
145 15/27 [=====>.....] - ETA: 31s -
    loss: 1.3304 - accuracy: 0.49172021-10-21 15:27:33.
    349346: W tensorflow/core/lib/png/png_io.cc:88] PNG
    warning: iCCP: known incorrect sRGB profile
146 27/27 [=====] - 69s 3s/step
    - loss: 1.3527 - accuracy: 0.4803

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147 Accuracy: 0.48032405972480774
148 Loss: 1.3527244329452515
149 end
150
151 Process finished with exit code 0
152
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