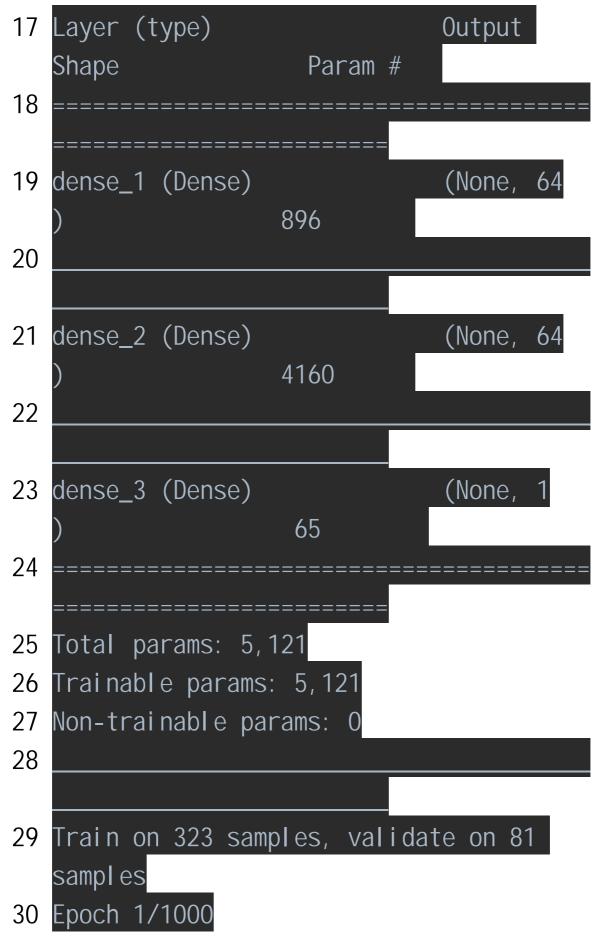
```
1 ssh: //root@103.254.67.181:10006/usr/bin/
   python -u /home/sunfengzhen/pycharm/
  keras_regress/boston01.py
 2 Using TensorFlow backend.
 3 ###########Ioad dataset
  ################
 4 the type of train data is float64
 5 the shape of train data is (404, 13)
 6 the shape of train target is (404,)
 7 the type of train target is float64
8 train target[:10]: [15.2 42.3 50. 21.1
  17.7 18.5 11.3 15.6 15.6 14.4]
 9 the shape of test data is (102, 13)
10 the shape of test target is (102,)
11 #############data proecess
  #################
12 the shape of mean is (13,)
13 the shape of std is (13,)
14 ###########model train
  ###############
15 model.metrics_names = ['loss',
  mean_absolute_error']
16
```



31 2019-05-29 10: 27: 28. 883963: I tensorflow /core/platform/cpu_feature_guard.cc:141] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2 FMA 32 2019-05-29 10: 27: 29. 182857: I tensorflow /core/common_runtime/gpu/gpu_device.cc: 1432] Found device O with properties: 33 name: GeForce GTX 1080 Ti major: 6 minor : 1 memoryClockRate(GHz): 1.582 34 pci BusID: 0000:82:00.0 total Memory: 10.92GiB freeMemory: 10. 76Gi B 36 2019-05-29 10: 27: 29. 182923: I tensorflow /core/common_runtime/gpu/gpu_device.cc: 1511] Adding visible gpu devices: 0 37 2019-05-29 10: 27: 29. 649652: I tensorflow /core/common_runtime/gpu/gpu_device.cc: 982] Device interconnect StreamExecutor with strength 1 edge matrix: 38 2019-05-29 10: 27: 29. 649726: I tensorflow /core/common_runtime/gpu/gpu_device.cc: 988] ()39 2019-05-29 10:27:29.649740: I tensorflow

```
/core/common_runtime/gpu/gpu_device.cc:
39
   1001] 0:
              N
40 2019-05-29 10:27:29.650091: I tensorflow
   /core/common_runtime/gpu/gpu_device.cc:
   1115] Created TensorFlow device (/job:
   localhost/replica: O/task: O/device: GPU: O
   with 10409 MB memory) -> physical GPU (
   device: O, name: GeForce GTX 1080 Ti,
   pci bus id: 0000:82:00.0, compute
   capability: 6.1)
   - 2s - loss: 508.8570 -
41
   mean_absolute_error: 20.4707 - val_loss
   : 502.1782 - val_mean_absolute_error: 20
   3382
42 Epoch 2/1000
   - 0s - loss: 377.0670 -
43
   mean_absolute_error: 16.9365 - val_loss
     351.6663 - val_mean_absolute_error: 16
   3737
44 Epoch 3/1000
   - 0s - loss: 233.1376 -
45
   mean_absolute_error: 12.7086 - val_loss
     201.0621 - val_mean_absolute_error: 11
   5551
```

```
46 Epoch 4/1000
   - 0s - loss: 119.1073 -
47
   mean_absolute_error: 8.5366 - val_loss:
   106.8299 - val_mean_absolute_error: 7.
   8862
48 Epoch 5/1000
   - 0s - loss: 66.6506 -
49
   mean_absolute_error: 6.1033 - val_loss:
   66.7304 - val_mean_absolute_error: 6.
   1965
50 Epoch 6/1000
   - 0s - loss: 46.5216 -
51
   mean_absolute_error: 4.9055 - val_loss:
   50.3796 - val_mean_absolute_error: 5.
   2820
52 Epoch 7/1000
   - 0s - loss: 35.6644 -
53
   mean_absolute_error: 4.1863 - val_loss:
   37.8124 - val_mean_absolute_error: 4
   6576
54 Epoch 8/1000
55 - 0s - loss: 28.5578 -
   mean_absolute_error: 3.7078 - val_loss:
   29.4733 - val_mean_absolute_error: 4.
```

mean_absolute_error: 2.9657 - val_loss:

65

```
19.3226 - val_mean_absolute_error: 3.
65
   4762
66 Epoch 13/1000
   - 0s - loss: 17.0796 -
67
   mean_absolute_error: 2.8401 - val_loss:
   18.5031 - val_mean_absolute_error: 3.
   4244
68 Epoch 14/1000
   - 0s - loss: 15.8806 -
69
   mean_absolute_error: 2.7602 - val_loss:
   16.5286 - val_mean_absolute_error: 3.
   1774
70 Epoch 15/1000
   - Os - Loss: 14.9331 -
71
   mean_absolute_error: 2.6634 - val_loss:
   15.3848 - val_mean_absolute_error: 3.
   0312
72 Epoch 16/1000
   - 0s - loss: 14.0725 -
73
   mean_absolute_error: 2.5630 - val_loss:
   14.8925 - val_mean_absolute_error: 2.
   9480
74 Epoch 17/1000
   - 0s - loss: 13.3512
75
```

```
mean_absolute_error: 2.4960 - val loss:
75
   13.9896 - val_mean_absolute_error: 2.
   8303
76 Epoch 18/1000
   - 0s - loss: 13.0629 -
77
   mean_absolute_error: 2.4981 - val_loss:
   15.3788 - val_mean_absolute_error: 3.
   1110
78 Epoch 19/1000
   - 0s - loss: 12.6171 -
79
   mean_absolute_error: 2.4574 - val_loss:
   13.3599 - val_mean_absolute_error: 2.
   8262
80 Epoch 20/1000
   - 0s - loss: 11.7888 -
81
   mean_absolute_error: 2.3847 - val_loss:
   13.6188 - val_mean_absolute_error: 2.
   8368
82
  Epoch 00020: val_mean_absolute_error
83
   improved from 3.99685 to 2.83678, saving
   model to ./model/model_Epoch0020-
   val_mean_absolute_error2.84.h5
84 Epoch 21/1000
```

```
- 0s - loss: 11.7894 -
85
   mean_absolute_error: 2.3426 - val_loss
     12.8359 - val_mean_absolute_error: 2.
   7281
86 Epoch 22/1000
87 - 0s - loss: 11.2370 -
   mean_absolute_error: 2.2978 - val_loss
   12.7378 - val_mean_absolute_error: 2.
   7909
88 Epoch 23/1000
   - 0s - loss: 10.9771 -
89 I
   mean_absolute_error: 2.2869 - val_loss
   : 12.3347 - val_mean_absolute_error: 2.
   7578
90 Epoch 24/1000
   - 0s - loss: 10.7601 -
91
   mean_absolute_error: 2.2491 - val_loss
    12.3628 - val_mean_absolute_error: 2.
   6097
92 Epoch 25/1000
   - 0s - loss: 10.2933 -
93
   mean_absolute_error: 2.2198 - val_loss
    13.8948 - val_mean_absolute_error: 2.
   7856
```

```
94 Epoch 26/1000
    - 0s - loss: 10.3395 -
95
    mean_absolute_error: 2.1852 - val_loss
      12.5965 - val_mean_absolute_error: 2.
    6553
96 Epoch 27/1000
    - 0s - loss: 10.0387 -
97 I
    mean_absolute_error: 2.1834 - val_loss
     12.6053 - val_mean_absolute_error: 2.
    7038
98 Epoch 28/1000
    - 0s - loss: 9.9576 -
99
    mean_absolute_error: 2.1891 - val_loss
      12.0698 - val_mean_absolute_error: 2.
    6495
100 Epoch 29/1000
    - 0s - loss: 9.5338 -
101 l
    mean_absolute_error: 2.1261 - val_loss
     12.7163 - val_mean_absolute_error: 2.
    8390
102 Epoch 30/1000
    - 0s - loss: 9.3056 -
103
    mean_absolute_error: 2.1012 - val_loss
     11.6176 - val_mean_absolute_error: 2.
```

```
103 6176
```

104

```
105 Epoch 00030: val_mean_absolute_error
improved from 2.83678 to 2.61763,
saving model to ./model/model_Epoch0030
-val_mean_absolute_error2.62.h5
```

106 Epoch 31/1000

107 - 0s - loss: 9.5487 - mean_absolute_error: 2.1249 - val_loss : 12.1098 - val_mean_absolute_error: 2.6561

108 Epoch 32/1000

109 - 0s - loss: 8.9365 - mean_absolute_error: 2.0343 - val_loss : 15.7893 - val_mean_absolute_error: 2.8930

110 Epoch 33/1000

111 - 0s - loss: 9.1733 - mean_absolute_error: 2.1379 - val_loss : 12.4831 - val_mean_absolute_error: 2.5939

112 Epoch 34/1000

113 - Os - Loss: 8.7832 - mean_absolute_error: 2.0653 - val_loss

```
12.4745 - val_mean_absolute_error: 2.
113
    6719
114 Epoch 35/1000
115 - 0s - loss: 8.9244 -
    mean_absolute_error: 2.0582 - val_loss
    : 12.4537 - val_mean_absolute_error: 2.
    5946
116 Epoch 36/1000
117 - 0s - loss: 8.5267 -
    mean_absolute_error: 2.0779 - val_loss
    12.7375 - val_mean_absolute_error: 2.
    7257
118 Epoch 37/1000
119 - 0s - loss: 8.6095 -
    mean_absolute_error: 2.0246 - val_loss
      12.5228 - val_mean_absolute_error: 2.
    5267
120 Epoch 38/1000
    - 0s - loss: 8.6112 -
121
    mean_absolute_error: 2.0274 - val_loss
     12.5877 - val_mean_absolute_error: 2.
    5362
122 Epoch 39/1000
123 - 0s - loss: 8.4096 -
```

```
123 mean_absolute_error: 1.9910 - val_loss
      12.5051 - val_mean_absolute_error: 2.
    5184
124 Epoch 40/1000
    - 0s - loss: 8.1227 -
125
    mean_absolute_error: 1.9826 - val_loss
      12.3537 - val_mean_absolute_error: 2.
    5608
126
127 Epoch 00040: val_mean_absolute_error
    improved from 2.61763 to 2.56082,
    saving model to ./model/model_Epoch0040
    -val_mean_absolute_error2.56.h5
128 Epoch 41/1000
    - 0s - loss: 8.0297
129
    mean_absolute_error: 1.9396 - val_loss
      12.1463 - val_mean_absolute_error: 2.
    5982
130 Epoch 42/1000
    - 0s - loss: 8.2348 -
131
    mean_absolute_error: 1.9562 - val_loss
     12.9758 - val_mean_absolute_error: 2.
    5625
132 Epoch 43/1000
```

```
- 0s - loss: 7.9648 -
133
    mean_absolute_error: 1.9833 - val_loss
      12.0786 - val_mean_absolute_error: 2.
    5746
134 Epoch 44/1000
    - 0s - loss: 7.9476 -
135 l
    mean_absolute_error: 1.9209 - val_loss
     15.3071 - val_mean_absolute_error: 2.
    7191
136 Epoch 45/1000
137 - 0s - loss: 7.8115 -
    mean_absolute_error: 1.9458 - val_loss
     12.3172 - val_mean_absolute_error: 2.
    6178
138 Epoch 46/1000
    - 0s - loss: 7.7519 -
139
    mean_absolute_error: 1.8970 - val_loss
     13.3924 - val_mean_absolute_error: 2.
    6245
140 Epoch 47/1000
    - 0s - loss: 7.6907 -
141
    mean_absolute_error: 1.9203 - val_loss
      12.5278 - val_mean_absolute_error: 2.
    4699
```

```
142 Epoch 48/1000
    - 0s - loss: 7.4754 -
143
    mean_absolute_error: 1.8890 - val_loss
      12.3038 - val_mean_absolute_error: 2.
    5601
144 Epoch 49/1000
    - 0s - loss: 7.6362 -
145 l
    mean_absolute_error: 1.8887 - val_loss
      12.2313 - val_mean_absolute_error: 2.
    5350
146 Epoch 50/1000
    - 0s - loss: 7.5599 -
147
    mean_absolute_error: 1.8726 - val_loss
      11. 9923 - val_mean_absolute_error: 2.
    4585
148
149 Epoch 00050: val_mean_absolute_error
    improved from 2.56082 to 2.45854,
    saving model to ./model/model_Epoch0050
    -val_mean_absolute_error2.46.h5
150 Epoch 51/1000
    - Os - Loss: 7.4957 -
151
    mean_absolute_error: 1.8982 - val_loss
     12.4439 - val_mean_absolute_error: 2.
```

```
File - boston01
151
    6541
152 Epoch 52/1000
     - 0s - loss: 7.3561
153 l
    mean_absolute_error: 1.8711 - val_loss
     12.2916 - val_mean_absolute_error: 2.
    5589
154 Epoch 53/1000
155
     - 0s - loss: 7.<u>1150</u>
    mean_absolute_error: 1.8399 - val_loss
      12.0207 - val_mean_absolute_error: 2.
    5144
156 Epoch 54/1000
157 - 0s - loss: 7.1536 -
    mean_absolute_error: 1.8609 - val_loss
      14.2695 - val_mean_absolute_error: 2.
     7237
158 Epoch 55/1000
     - 0s - loss: 7.3549
159 l
    mean_absolute_error: 1.8630 - val_loss
     13.1265 - val_mean_absolute_error: 2.
    4830
160 Epoch 56/1000
     - 0s - loss: 7.0151 -
161
    mean_absolute_error: 1.8336 - val_l<u>oss</u>
```

```
12.7181 - val_mean_absolute_error: 2.
161
    5833
162 Epoch 57/1000
163 - 0s - loss: 7.1830 -
    mean_absolute_error: 1.8377 - val_loss
    : 12.6467 - val_mean_absolute_error: 2.
    5032
164 Epoch 58/1000
165
    - 0s - loss: 6.9233 -
    mean_absolute_error: 1.8006 - val_loss
      12.9391 - val_mean_absolute_error: 2.
    5442
166 Epoch 59/1000
167 - 0s - loss: 6.9152 -
    mean_absolute_error: 1.8035 - val_loss
      14.1281 - val_mean_absolute_error: 2.
    5920
168 Epoch 60/1000
169
    - 0s - loss: 6.6614 -
    mean_absolute_error: 1.7891 - val_loss
     15.5446 - val_mean_absolute_error: 2.
    6221
170
    Epoch 00060: val_mean_absolute_error
171
```

```
171 did not improve from 2.45854
172 Epoch 61/1000
    - 0s - loss: 7.0422
173 l
    mean_absolute_error: 1.8260 - val_loss
     12.3304 - val_mean_absolute_error: 2.
    4674
174 Epoch 62/1000
175 - 0s - loss: 6.8601 -
    mean_absolute_error: 1.8219 - val_loss
     12.8567 - val_mean_absolute_error: 2.
    5128
176 Epoch 63/1000
177 - 0s - loss: 6.5729 -
    mean_absolute_error: 1.7427 - val_loss
    16.2805 - val_mean_absolute_error: 2.
    7514
178 Epoch 64/1000
179 - 0s - loss: 6.6873 -
    mean_absolute_error: 1.8112 - val_loss
    : 13.7294 - val_mean_absolute_error: 2.
    6141
180 Epoch 65/1000
    - 0s - loss: 6.4925 -
181 I
    mean_absolute_error: 1.7712 - val_loss
```

```
13.8488 - val_mean_absolute_error: 2.
181
    5839
182 Epoch 66/1000
    - 0s - loss: 6.3370 -
183
    mean_absolute_error: 1.7626 - val_loss
    : 12.4611 - val_mean_absolute_error: 2.
    5212
184 Epoch 67/1000
185
    - 0s - loss: 6.4373 -
    mean_absolute_error: 1.7643 - val_loss
    13.0092 - val_mean_absolute_error: 2.
    5384
186 Epoch 68/1000
    - 0s - loss: 6.4051 -
187 I
    mean_absolute_error: 1.7779 - val_loss
     13.3328 - val_mean_absolute_error: 2.
    7080
188 Epoch 69/1000
    - 0s - loss: 6.4513 -
189
    mean_absolute_error: 1.7229 - val_loss
     14.7567 - val_mean_absolute_error: 2.
    6862
190 Epoch 70/1000
    - 0s - loss: 6.2459
191
```

```
mean_absolute_error: 1.7464 - val_loss
191
      12.9123 - val_mean_absolute_error: 2.
    5536
192
193 Epoch 00070: val_mean_absolute_error
    did not improve from 2.45854
194 Epoch 71/1000
    - 0s - loss: 6.1774 -
195 l
    mean_absolute_error: 1.6919 - val_loss
    13.9759 - val_mean_absolute_error: 2.
    5164
196 Epoch 72/1000
197 - 0s - loss: 6.3357 -
    mean_absolute_error: 1.7462 - val_loss
    13.3034 - val_mean_absolute_error: 2.
    5839
198 Epoch 73/1000
    - 0s - loss: 6.1997 -
199
    mean_absolute_error: 1.7343 - val_loss
    : 12.4309 - val_mean_absolute_error: 2.
    4936
200 Epoch 74/1000
    - 0s - loss: 6.0883 -
201
    mean_absolute_error: 1.6695 - val_loss
```

```
13.0401 - val_mean_absolute_error: 2.
201
    4979
202 Epoch 75/1000
    - 0s - loss: 6.2554_-
203
    mean_absolute_error: 1.7133 - val_loss
    : 13.3727 - val_mean_absolute_error: 2.
    4556
204 Epoch 76/1000
    - 0s - loss: 6.0023 -
205
    mean_absolute_error: 1.6996 - val_loss
     12.8556 - val_mean_absolute_error: 2.
    4618
206 Epoch 77/1000
    - 0s - loss: 5.9766 -
207 I
    mean_absolute_error: 1.6278 - val_loss
     13.0897 - val_mean_absolute_error: 2.
    4513
208 Epoch 78/1000
    - 0s - loss: 6.0793 -
209
    mean_absolute_error: 1.6577 - val_loss
      12.8823 - val_mean_absolute_error: 2.
    4754
210 Epoch 79/1000
    - 0s - loss: 5.7519 -
211
```

```
211 mean_absolute_error: 1.6324 - val_loss
      13.3224 - val_mean_absolute_error: 2.
    6205
212 Epoch 80/1000
    - 0s - loss: 5.7596 -
213 I
    mean_absolute_error: 1.6362 - val_loss
      12. 9500 - val_mean_absolute_error: 2.
    5735
214
215 Epoch 00080: val_mean_absolute_error
    did not improve from 2.45854
216 Epoch 81/1000
217 - 0s - loss: 5.7959 -
    mean_absolute_error: 1.6462 - val_loss
    13.0019 - val_mean_absolute_error: 2.
    6597
218 Epoch 82/1000
    - 0s - loss: 5.7090 -
219 I
    mean_absolute_error: 1.6289 - val_loss
     12.8836 - val_mean_absolute_error: 2.
    5374
220 Epoch 83/1000
    - 0s - loss: 5.6286 -
221
    mean_absolute_error: 1.6220 - val_loss
```

```
13.6477 - val_mean_absolute_error: 2.
221
    4625
222 Epoch 84/1000
223 - 0s - loss: 5.7457 -
    mean_absolute_error: 1.6571 - val_loss
    : 12.6499 - val_mean_absolute_error: 2.
    4417
224 Epoch 85/1000
    - 0s - loss: 5.6964 -
225
    mean_absolute_error: 1.6348 - val_loss
     12.9228 - val_mean_absolute_error: 2.
    4512
226 Epoch 86/1000
227 - 0s - loss: 5.6430 -
    mean_absolute_error: 1.6679 - val_loss
      13.7091 - val_mean_absolute_error: 2.
    4371
228 Epoch 87/1000
    - 0s - loss: 5.5740 -
229
    mean_absolute_error: 1.6226 - val_loss
      13.9593 - val_mean_absolute_error: 2.
    4862
230 Epoch 88/1000
    - 0s - loss: 5.5570 -
231 I
```

```
231 mean_absolute_error: 1.6255 - val_loss
      13.3627 - val_mean_absolute_error: 2.
    5253
232 Epoch 89/1000
    - 0s - loss: 5.5249 -
233
    mean_absolute_error: 1.6002 - val_loss
      13. 3536 - val_mean_absolute_error: 2.
    4942
234 Epoch 90/1000
    - 0s - loss: 5.4470 -
235
    mean_absolute_error: 1.5859 - val_loss
      13.5879 - val_mean_absolute_error: 2.
    4849
236
237 Epoch 00090: val_mean_absolute_error
    did not improve from 2.45854
238 Epoch 91/1000
    - 0s - loss: 5.3638
239
    mean_absolute_error: 1.6028 - val_loss
    : 14.8538 - val_mean_absolute_error: 2.
    8569
240 Epoch 92/1000
    - 0s - loss: 5.4877 -
241
    mean_absolute_error: 1.6167 - val_l<u>oss</u>
```

```
12.7267 - val_mean_absolute_error: 2.
241
    5878
242 Epoch 93/1000
    - 0s - loss: 5.2634 -
243
    mean_absolute_error: 1.5778 - val_loss
      14.3206 - val_mean_absolute_error: 2.
    4848
244 Epoch 94/1000
    - 0s - loss: 5.2590 -
245
    mean_absolute_error: 1.5730 - val_loss
      13.5896 - val_mean_absolute_error: 2.
    6795
246 Epoch 95/1000
247 - 0s - loss: 5.1998 -
    mean_absolute_error: 1.5744 - val_loss
     13.1699 - val_mean_absolute_error: 2.
    4703
248 Epoch 96/1000
    - 0s - loss: 4.9457 -
249
    mean_absolute_error: 1.5331 - val_loss
      13.9732 - val_mean_absolute_error: 2.
    4181
250 Epoch 97/1000
    - 0s - loss: 5.2812
251
```

```
251 mean_absolute_error: 1.5826 - val_loss
      12.9996 - val_mean_absolute_error: 2.
    5964
252 Epoch 98/1000
    - 0s - loss: 5.3232 -
253
    mean_absolute_error: 1.5817 - val_loss
      12.7469 - val_mean_absolute_error: 2.
    4761
   Epoch 99/1000
254
    - 0s - loss: 4.9620 -
255
    mean_absolute_error: 1.5284 - val_loss
      13.1238 - val_mean_absolute_error: 2.
    4643
256 Epoch 100/1000
    - 0s - loss: 5.1833 -
257
    mean_absolute_error: 1.5380 - val_loss
     14.0637 - val_mean_absolute_error: 2.
    4597
258
   Epoch 00100: val_mean_absolute_error
259
    did not improve from 2.45854
260 Epoch 101/1000
    - 0s - loss: 5.0293 -
261
    mean_absolute_error: 1.5305 - val_loss
```

```
15.5031 - val_mean_absolute_error: 2.
261
    5447
262 Epoch 102/1000
263 - 0s - loss: 4.9056 -
    mean_absolute_error: 1.5570 - val_loss
      15.6589 - val_mean_absolute_error: 2.
    5277
264 Epoch 103/1000
265
    - 0s - loss: 5.0046 -
    mean_absolute_error: 1.5583 - val_loss
      14.5436 - val_mean_absolute_error: 2.
    4849
266 Epoch 104/1000
267 - 0s - loss: 5.0450 -
    mean_absolute_error: 1.5547 - val_loss
     13.1390 - val_mean_absolute_error: 2.
    4331
268 Epoch 105/1000
    - 0s - loss: 4.7754 -
269
    mean_absolute_error: 1.5188 - val_loss
      13.7144 - val_mean_absolute_error: 2.
    4609
270 Epoch 106/1000
    - 0s - loss: 5.0500 -
271 l
```

```
271 mean_absolute_error: 1.5471 - val_loss
      14.8180 - val_mean_absolute_error: 2.
    5740
272 Epoch 107/1000
    - 0s - loss: 4.8728 -
273 l
    mean_absolute_error: 1.4891 - val_loss
      13.8454 - val_mean_absolute_error: 2.
    4251
274 Epoch 108/1000
275 - 0s - loss: 4.7332 -
    mean_absolute_error: 1.4691 - val_loss
      13.6337 - val_mean_absolute_error: 2.
    6243
276 Epoch 109/1000
277 - 0s - loss: 4.6060 -
    mean_absolute_error: 1.4767 - val_loss
      13.6645 - val_mean_absolute_error: 2.
    4436
278 Epoch 110/1000
279 - 0s - loss: 4.6188 -
    mean_absolute_error: 1.4979 - val_loss
     12.9895 - val_mean_absolute_error: 2.
    4880
280
```

```
281 Epoch 00110: val_mean_absolute_error
    did not improve from 2.45854
282 Epoch 111/1000
    - 0s - loss: 4.7260 -
283
    mean_absolute_error: 1.5002 - val_loss
     14.2647 - val_mean_absolute_error: 2.
    5062
284 Epoch 112/1000
285
    - 0s - loss: 4.8011 -
    mean_absolute_error: 1.4700 - val_loss
      13.2491 - val_mean_absolute_error: 2.
    5159
286 Epoch 113/1000
    - Os - loss: 4.7271 -
287 I
    mean_absolute_error: 1.4957 - val_loss
      12.8246 - val_mean_absolute_error: 2.
    5318
288 Epoch 114/1000
    - 0s - loss: 4.6512 -
289
    mean_absolute_error: 1.4513 - val_loss
      13.4932 - val_mean_absolute_error: 2.
    4297
290 Epoch 115/1000
    - Os - loss: 4.6407 -
291
```

```
291 mean_absolute_error: 1.4448 - val_loss
      13.5309 - val_mean_absolute_error: 2.
    4035
292 Epoch 116/1000
    - Os - Loss: 4.4667 -
293
    mean_absolute_error: 1.4160 - val_loss
      14.9832 - val_mean_absolute_error: 2.
    5410
294 Epoch 117/1000
295 - Os - Loss: 4,4219 -
    mean_absolute_error: 1.4754 - val_loss
     13.7533 - val_mean_absolute_error: 2.
    3929
296 Epoch 118/1000
    - 0s - loss: 4.5402 -
297 I
    mean_absolute_error: 1.4637 - val_loss
     13.8223 - val_mean_absolute_error: 2.
    4106
298 Epoch 119/1000
    - 0s - loss: 4.5026 -
299 I
    mean_absolute_error: 1.4735 - val_loss
     13.3173 - val_mean_absolute_error: 2.
    4555
300 Epoch 120/1000
```

```
- 0s - loss: 4.4632 -
301
    mean_absolute_error: 1.4456 - val_loss
      13.2312 - val_mean_absolute_error: 2.
    4173
302
   Epoch 00120: val_mean_absolute_error
303
    improved from 2.45854 to 2.41731,
    saving model to ./model/model_Epoch0120
    -val_mean_absolute_error2.42.h5
304 Epoch 121/1000
    - Os - loss: 4.4761 -
305 I
    mean_absolute_error: 1.4250 - val_loss
      16.6304 - val_mean_absolute_error: 2.
    7050
306 Epoch 122/1000
    - 0s - Loss: 4.6561 -
307
    mean_absolute_error: 1.4688 - val_loss
      15.6400 - val_mean_absolute_error: 2.
    5128
308 Epoch 123/1000
    - 0s - loss: 4.3071 -
309
    mean_absolute_error: 1.4362 - val_loss
      13.9746 - val_mean_absolute_error: 2.
    6208
```

```
310 Epoch 124/1000
    - 0s - loss: 4.3706 -
311
    mean_absolute_error: 1.4417 - val_loss
     13.5181 - val_mean_absolute_error: 2.
    5104
312 Epoch 125/1000
313 - 0s - loss: 4.2669 -
    mean_absolute_error: 1.4170 - val_loss
     13.7394 - val_mean_absolute_error: 2.
    4933
314 Epoch 126/1000
315 - 0s - loss: 4.2876 -
    mean_absolute_error: 1.4605 - val_loss
     13.5563 - val_mean_absolute_error: 2.
    3906
316 Epoch 127/1000
317 - 0s - loss: 4.4309 -
    mean_absolute_error: 1.4361 - val_loss
     14.3062 - val_mean_absolute_error: 2.
    4536
318 Epoch 128/1000
319 - 0s - loss: 4.0691
    mean_absolute_error: 1.3975 - val_loss
     13.7712 - val_mean_absolute_error: 2.
```

```
File - boston01
319 4211
320 Epoch 129/1000
     - 0s - loss: 4.1112 -
321
    mean_absolute_error: 1.4281 - val_loss
      13.4013 - val_mean_absolute_error: 2.
    4146
322 Epoch 130/1000
     - 0s - loss: 4.2188 -
323
    mean_absolute_error: 1.4310 - val_loss
      14.9179 - val_mean_absolute_error: 2.
    5752
324
325 Epoch 00130: val_mean_absolute_error
    did not improve from 2.41731
326 Epoch 131/1000
     - 0s - loss: 4.1455 -
327
    mean_absolute_error: 1.4184 - val_loss
      13.6284 - val_mean_absolute_error: 2.
    4262
328 Epoch 132/1000
     - 0s - loss: 4.1086 -
329
    mean_absolute_error: 1.3804 - val_loss
     14.6837 - val_mean_absolute_error: 2.
```

31 - 0s - loss: 4.0551 - mean_absolute_error: 1.4008 - val_loss

: 14.8289 - val_mean_absolute_error: 2.

4647

332 Epoch 134/1000

mean_absolute_error: 1.3600 - val_loss: 13.2224 - val_mean_absolute_error: 2.

3943

334 Epoch 135/1000

mean_absolute_error: 1.4158 - val_loss

: 13.7612 - val_mean_absolute_error: 2.

5837

336 Epoch 136/1000

337 - 0s - loss: 4.1324 -

mean_absolute_error: 1.3809 - val_loss

: 13.3615 - val_mean_absolute_error: 2.

4132

338 Epoch 137/1000

339 - Os - Loss: 4.1333 -

mean_absolute_error: 1.4200 - val_loss

13.4753 - val_mean_absolute_error: 2.

```
File - boston01
    3824
339
340 Epoch 138/1000
     - 0s - loss: 4.1006 -
341
    mean_absolute_error: 1.4123 - val_loss
      13.2317 - val_mean_absolute_error: 2.
    5027
342 Epoch 139/1000
343
     - 0s - loss: 3.9231
    mean_absolute_error: 1.3650 - val_loss
      13.2198 - val_mean_absolute_error: 2.
    4040
344 Epoch 140/1000
     - 0s - loss: 3.9884 -
345 l
    mean_absolute_error: 1.3936 - val_loss
      13.6991 - val_mean_absolute_error: 2.
346
347 Epoch 00140: val_mean_absolute_error
    did not improve from 2.41731
348 Epoch 141/1000
     - 0s - loss: 3.8466 -
349
    mean_absolute_error: 1.3519 - val_loss
      13.4792 - val_mean_absolute_error: 2.
    4831
```

```
350 Epoch 142/1000
    - 0s - loss: 3.7813 -
351
    mean_absolute_error: 1.3743 - val_loss
      14.5342 - val_mean_absolute_error: 2.
    4961
352 Epoch 143/1000
    - 0s - loss: 3.9038
353 l
    mean_absolute_error: 1.3956 - val_loss
      13.9396 - val_mean_absolute_error: 2.
    4406
354 Epoch 144/1000
    - 0s - loss: 3.9363
355
    mean_absolute_error: 1.3592 - val_loss
      13.8653 - val_mean_absolute_error: 2.
    3873
356 Epoch 145/1000
357 - 0s - loss: 3.6789 -
    mean_absolute_error: 1.3423 - val_loss
     14.0408 - val_mean_absolute_error: 2.
    6104
358 Epoch 146/1000
    - 0s - loss: 3.9000
359
    mean_absolute_error: 1.3731 - val_loss
     14.4238 - val_mean_absolute_error: 2.
```

```
File - boston01
359 4165
360 Epoch 147/1000
     - 0s - Loss: 4.1753
361
    mean_absolute_error: 1.4052 - val_loss
      13.6717 - val_mean_absolute_error: 2.
    3827
362 Epoch 148/1000
     - 0s - loss: 3.6750 -
363 l
    mean_absolute_error: 1.2982 - val_loss
      14.3248 - val_mean_absolute_error: 2.
    5185
364 Epoch 149/1000
     - 0s - loss: 3.8542_-
365 l
    mean_absolute_error: 1.3396 - val_loss
      15.4329 - val_mean_absolute_error: 2.
    4428
366 Epoch 150/1000
     - Os - loss: 3.7479 -
367 l
    mean_absolute_error: 1.3033 - val_loss
      13.8370 - val_mean_absolute_error: 2.
    4211
368
    Epoch 00150: val_mean_absolute_error
    did not improve from 2.41731
```

```
370 Epoch 151/1000
    - 0s - loss: 3.7807 -
371
    mean_absolute_error: 1.3284 - val_loss
      14.6462 - val_mean_absolute_error: 2.
    3955
372 Epoch 152/1000
373 - 0s - loss: 3.7666 -
    mean_absolute_error: 1.3265 - val_loss
      13.4395 - val_mean_absolute_error: 2.
    4403
374 Epoch 153/1000
    - 0s - loss: 3.8173 -
375 l
    mean_absolute_error: 1.3477 - val_loss
      13.7166 - val_mean_absolute_error: 2.
    3924
376 Epoch 154/1000
377 - 0s - loss: 3.5425 -
    mean_absolute_error: 1.2959 - val_loss
     14.4431 - val_mean_absolute_error: 2.
    6686
378 Epoch 155/1000
    - 0s - loss: 3.7825
379 I
    mean_absolute_error: 1.3310 - val_loss
     13.8088 - val_mean_absolute_error: 2.
```

```
File - boston01
    4688
379
380 Epoch 156/1000
     - 0s - loss: 3.6538
381
    mean_absolute_error: 1.3102 - val_loss
      13.7611 - val_mean_absolute_error: 2.
    4475
382 Epoch 157/1000
     - 0s - loss: 3.7245 -
383
    mean_absolute_error: 1.3132 - val_loss
      15.0568 - val_mean_absolute_error:
    4247
384 Epoch 158/1000
     - 0s - loss: 3.6386 -
385
    mean_absolute_error: 1.3548 - val_loss
      15.4886 - val_mean_absolute_error: 2.
    5458
386 Epoch 159/1000
     - 0s - loss: 3.7774 -
387
    mean_absolute_error: 1.3810 - val_loss
    : 14.2584 - val_mean_absolute_error: 2.
    3867
388 Epoch 160/1000
     - 0s - loss: 3.6316 -
389
    mean_absolute_error: 1.3275 - val_loss
```

```
13.9726 - val_mean_absolute_error: 2.
389
    4078
390
391 Epoch 00160: val_mean_absolute_error
    improved from 2.41731 to 2.40778,
    saving model to ./model/model_Epoch0160
    -val_mean_absolute_error2.41.h5
392 Epoch 161/1000
393
    - 0s - loss: 3.6482 -
    mean_absolute_error: 1.2964 - val_loss
      15.4859 - val_mean_absolute_error: 2.
    4212
394 Epoch 162/1000
    - 0s - loss: 3.5675 -
395
    mean_absolute_error: 1.2957 - val_loss
      15.5034 - val_mean_absolute_error: 2.
    3820
396 Epoch 163/1000
    - 0s - loss: 3.6060 -
397
    mean_absolute_error: 1.2962 - val_loss
      15.0549 - val_mean_absolute_error: 2.
    4616
398 Epoch 164/1000
    - 0s - loss: 3.4726
399
```

```
mean_absolute_error: 1.3086 - val_loss
399
      14.9061 - val_mean_absolute_error: 2.
    3588
400 Epoch 165/1000
    - 0s - loss: 3.6794 -
401
    mean_absolute_error: 1.3153 - val_loss
      13. 7839 - val_mean_absolute_error: 2.
    4864
402 Epoch 166/1000
403 - 0s - loss: 3.7371 -
    mean_absolute_error: 1.3539 - val_loss
     13.9673 - val_mean_absolute_error: 2.
    3452
404 Epoch 167/1000
    - 0s - loss: 3.3578
405 l
    mean_absolute_error: 1.2785 - val_loss
      14.4485 - val_mean_absolute_error: 2.
    4760
406 Epoch 168/1000
407 - 0s - loss: 3.3720 -
    mean_absolute_error: 1.2868 - val_loss
     14.1168 - val_mean_absolute_error: 2.
    4263
408 Epoch 169/1000
```

```
- 0s - loss: 3.3311 -
409
    mean_absolute_error: 1.2700 - val_loss
      14.1818 - val_mean_absolute_error: 2.
    4602
410 Epoch 170/1000
    - 0s - loss: 3.7841 -
411 l
    mean_absolute_error: 1.3124 - val_loss
      16.5750 - val_mean_absolute_error: 2.
    5096
412
413 Epoch 00170: val_mean_absolute_error
    did not improve from 2.40778
414 Epoch 171/1000
    - 0s - loss: 3.5035 -
415 l
    mean_absolute_error: 1.3032 - val_loss
      15.9505 - val_mean_absolute_error: 2.
    4628
416 Epoch 172/1000
    - 0s - loss: 3.4771 -
417 l
    mean_absolute_error: 1.2604 - val_loss
      13.5665 - val_mean_absolute_error: 2.
    5391
418 Epoch 173/1000
    - 0s - loss: 3.3360 -
419 I
```

```
419 mean_absolute_error: 1.2582 - val_loss
      15.5843 - val_mean_absolute_error: 2.
    4070
420 Epoch 174/1000
    - 0s - loss: 3.4872 -
421
    mean_absolute_error: 1.2901 - val_loss
      14.3084 - val_mean_absolute_error: 2.
    3939
422 Epoch 175/1000
423 - 0s - loss: 3.4222 -
    mean_absolute_error: 1.2782 - val_loss
     13.7511 - val_mean_absolute_error: 2.
    4232
424 Epoch 176/1000
    - 0s - loss: 3.3319 -
425 l
    mean_absolute_error: 1.2399 - val_loss
      13.6530 - val_mean_absolute_error: 2.
    4643
426 Epoch 177/1000
427 - 0s - loss: 3.3470 -
    mean_absolute_error: 1.2410 - val_loss
     14.0897 - val_mean_absolute_error: 2.
    4139
428 Epoch 178/1000
```

```
- 0s - loss: 3.1792 -
429
    mean_absolute_error: 1.2286 - val_loss
     14.6261 - val_mean_absolute_error: 2.
    4106
430 Epoch 179/1000
    - 0s - loss: 3.3377 -
431
    mean_absolute_error: 1.2557 - val_loss
     15.8980 - val_mean_absolute_error: 2.
    5232
432 Epoch 180/1000
    - 0s - loss: 3.2160 -
433
    mean_absolute_error: 1.2167 - val loss
      14.7078 - val_mean_absolute_error: 2.
    4482
434
435 Epoch 00180: val_mean_absolute_error
    did not improve from 2.40778
436 Epoch 181/1000
    - 0s - loss: 3.4325 -
437
    mean_absolute_error: 1.2511 - val_loss
      15.5223 - val_mean_absolute_error: 2.
    6207
438 Epoch 182/1000
    - 0s - loss: 3.3135
439
```

```
mean_absolute_error: 1.2275 - val_loss
439
      13.6721 - val_mean_absolute_error: 2.
    4526
440 Epoch 183/1000
    - 0s - loss: 3.2691 -
441
    mean_absolute_error: 1.1872 - val_loss
      14.4087 - val_mean_absolute_error: 2.
    4031
442 Epoch 184/1000
443 - 0s - loss: 3.1561 -
    mean_absolute_error: 1.2373 - val_loss
     14.4410 - val_mean_absolute_error: 2.
    3893
444 Epoch 185/1000
    - 0s - loss: 3.1449 -
445 l
    mean_absolute_error: 1.2159 - val_loss
      14.0137 - val_mean_absolute_error: 2.
    4724
446 Epoch 186/1000
447 - 0s - loss: 3.1663 -
    mean_absolute_error: 1.2324 - val_loss
     13.9958 - val_mean_absolute_error: 2.
    4142
448 Epoch 187/1000
```

```
- 0s - loss: 3.2256 -
449
    mean_absolute_error: 1.2207 - val_loss
      14.0745 - val_mean_absolute_error: 2.
    3685
450 Epoch 188/1000
    - 0s - loss: 3.1972 -
451
    mean_absolute_error: 1.2269 - val_loss
     15.0055 - val_mean_absolute_error: 2.
    6795
452 Epoch 189/1000
    - 0s - loss: 3.2783 -
453 l
    mean_absolute_error: 1.2509 - val_loss
     14.3020 - val_mean_absolute_error: 2.
    4139
454 Epoch 190/1000
    - 0s - Loss: 3.0791 -
455
    mean_absolute_error: 1.1898 - val_loss
     15.0499 - val_mean_absolute_error: 2.
    3961
456
    Epoch 00190: val_mean_absolute_error
457
    improved from 2.40778 to 2.39609,
    saving model to ./model/model_Epoch0190
    -val_mean_absolute_error2.40.h5
```

460 Epoch 192/1000

8008

461 - 0s - loss: 3.4531 - mean_absolute_error: 1.3084 - val_loss : 14.7711 - val_mean_absolute_error: 2.5330

462 Epoch 193/1000

463 - Os - Loss: 3.1292 - mean_absolute_error: 1.2138 - val_loss : 14.5937 - val_mean_absolute_error: 2.4041

464 Epoch 194/1000

465 - Os - Loss: 3.0802 - mean_absolute_error: 1.1800 - val_loss: 14.6046 - val_mean_absolute_error: 2.4718

466 Epoch 195/1000

- 0s - loss: 2.9206 - mean_absolute_error: 1.1623 - val_loss: 14.9742 - val_mean_absolute_error: 2.

```
File - boston01
467 3340
468 Epoch 196/1000
469 - 0s - loss: 3.0579
    mean_absolute_error: 1.2232 - val_loss
     14.2280 - val_mean_absolute_error: 2.
    3048
470 Epoch 197/1000
471 - 0s - loss: 3.2301 -
    mean_absolute_error: 1.2337 - val_loss
     13.9735 - val_mean_absolute_error: 2.
    3674
472 Epoch 198/1000
473 - 0s - loss: 3.0111 -
    mean_absolute_error: 1.1821 - val_loss
     16.7211 - val_mean_absolute_error: 2.
    4829
474 Epoch 199/1000
475 - 0s - loss: 3.1437 -
    mean_absolute_error: 1.2537 - val_loss
      14.5429 - val_mean_absolute_error: 2.
    4753
476 Epoch 200/1000
477 - 0s - loss: 2.9201 -
    mean_absolute_error: 1.1577 - val_loss
```

```
14.4668 - val_mean_absolute_error: 2.
477
    5071
478
479 Epoch 00200: val_mean_absolute_error
    did not improve from 2.39609
480 Epoch 201/1000
    - 0s - loss: 2.8936
481
    mean_absolute_error: 1.2036 - val_loss
      15.0156 - val_mean_absolute_error: 2.
    7976
482 Epoch 202/1000
    - 0s - loss: 3.0635 -
483
    mean_absolute_error: 1.1905 - val_loss
      15.3474 - val_mean_absolute_error: 2.
    4586
484 Epoch 203/1000
    - 0s - loss: 2.8836 -
485
    mean_absolute_error: 1.2086 - val_loss
      14.6499 - val_mean_absolute_error: 2.
    4464
486 Epoch 204/1000
    - 0s - loss: 3.0110 -
487
    mean_absolute_error: 1.2234 - val_loss
     15.2639 - val_mean_absolute_error: 2.
```

```
File - boston01
487 5076
488 Epoch 205/1000
     - 0s - loss: 3.0484
489
    mean_absolute_error: 1.1808 - val_loss
     15.3061 - val_mean_absolute_error: 2.
    3934
490 Epoch 206/1000
     - 0s - loss: 2.9857 -
491 l
    mean_absolute_error: 1.1822 - val_loss
     14.4578 - val_mean_absolute_error: 2.
    4569
492 Epoch 207/1000
493 - 0s - loss: 2.9652 -
    mean_absolute_error: 1.1830 - val_loss
     15.5116 - val_mean_absolute_error: 2.
    4508
494 Epoch 208/1000
     - 0s - loss: 3.0027 -
495 l
    mean_absolute_error: 1.1728 - val_loss
    : 16.9804 - val_mean_absolute_error: 2.
    5010
496 Epoch 209/1000
     - 0s - loss: 2.8897 -
497 I
    mean_absolute_error: 1.1776 - val_loss
```

```
14.4572 - val_mean_absolute_error: 2.
497
    3800
498 Epoch 210/1000
    - 0s - loss: 2.9027 -
499
    mean_absolute_error: 1.1639 - val_loss
     14.3953 - val_mean_absolute_error: 2.
    5886
500
   Epoch 00210: val_mean_absolute_error
501
    did not improve from 2.39609
502 Epoch 211/1000
    - 0s - loss: 2.8137 -
503 l
    mean_absolute_error: 1.1649 - val_loss
      16.7752 - val_mean_absolute_error: 2.
    4754
504 Epoch 212/1000
505 - 0s - loss: 2.8919 -
    mean_absolute_error: 1.1783 - val_loss
     14.8504 - val_mean_absolute_error: 2.
    6328
506 Epoch 213/1000
    - 0s - loss: 3.0066 -
507 l
    mean_absolute_error: 1.1837 - val_loss
     14.8868 - val_mean_absolute_error: 2.
```

```
File - boston01
507 5250
508 Epoch 214/1000
     - 0s - loss: 2.7766 -
509
    mean_absolute_error: 1.1697 - val_loss
     15.0705 - val_mean_absolute_error: 2.
    6104
510 Epoch 215/1000
511 - 0s - loss: 2.9782 -
    mean_absolute_error: 1.2100 - val_loss
      18.5210 - val_mean_absolute_error: 2.
    5921
512 Epoch 216/1000
513 - 0s - loss: 3.0009 -
    mean_absolute_error: 1.1735 - val_loss
     16.9730 - val_mean_absolute_error: 2.
    3997
514 Epoch 217/1000
515 - 0s - loss: 3.0105 -
    mean_absolute_error: 1.1824 - val_loss
    : 14.4091 - val_mean_absolute_error: 2.
    3876
516 Epoch 218/1000
517 - 0s - loss: 2.7362 -
    mean_absolute_error: 1.1455 - val_l<u>oss</u>
```

```
14.2837 - val_mean_absolute_error: 2.
517
    3787
518 Epoch 219/1000
    - 0s - loss: 2.7011 -
519
    mean_absolute_error: 1.1411 - val_loss
     17.6958 - val_mean_absolute_error: 2.
    6283
520 Epoch 220/1000
521
    - 0s - loss: 2.7318 -
    mean_absolute_error: 1.1455 - val_loss
      14.2764 - val_mean_absolute_error: 2.
    3704
522
523 Epoch 00220: val_mean_absolute_error
    improved from 2.39609 to 2.37044,
    saving model to ./model/model_Epoch0220
    -val_mean_absolute_error2.37.h5
524 Epoch 221/1000
    - 0s - loss: 2.6138 -
525
    mean_absolute_error: 1.1449 - val_loss
      14.9864 - val_mean_absolute_error: 2.
    3624
526 Epoch 222/1000
    - 0s - loss: 2.6574
527 l
```

```
527 mean_absolute_error: 1.1180 - val_loss
      16.6343 - val_mean_absolute_error: 2.
    3688
528 Epoch 223/1000
    - 0s - loss: 2.8195 -
529
    mean_absolute_error: 1.1688 - val_loss
      15. 1106 - val_mean_absolute_error: 2.
    3773
530 Epoch 224/1000
531 - 0s - loss: 2.7440 -
    mean_absolute_error: 1.1254 - val_loss
     15.2954 - val_mean_absolute_error: 2.
    3837
532 Epoch 225/1000
    - 0s - loss: 2.7820
533
    mean_absolute_error: 1.1146 - val_loss
     15.2769 - val_mean_absolute_error: 2.
    6157
534 Epoch 226/1000
    - 0s - loss: 2.6032 -
535 l
    mean_absolute_error: 1.1488 - val_loss
     14.2633 - val_mean_absolute_error: 2.
    3651
536 Epoch 227/1000
```

```
- 0s - loss: 2.7146 -
537
    mean_absolute_error: 1.1339 - val_loss
      17.7999 - val_mean_absolute_error: 2.
    4554
538 Epoch 228/1000
    - 0s - loss: 2.7311 -
539
    mean_absolute_error: 1.1468 - val_loss
    15.5700 - val_mean_absolute_error: 2.
    3963
540 Epoch 229/1000
541 - 0s - loss: 2.5778 -
    mean_absolute_error: 1.1225 - val_loss
    : 15.2745 - val_mean_absolute_error: 2.
    3713
542 Epoch 230/1000
543
    - 0s - loss: 2.7418 -
    mean_absolute_error: 1.1692 - val_loss
     15.0234 - val_mean_absolute_error: 2.
    3743
544
   Epoch 00230: val_mean_absolute_error
545
    did not improve from 2.37044
546 Epoch 231/1000
    - 0s - loss: 2.6191
547 I
```

```
547 mean_absolute_error: 1.1256 - val_loss
      15.2519 - val_mean_absolute_error: 2.
    4820
548 Epoch 232/1000
    - 0s - loss: 2.7957 -
549 l
    mean_absolute_error: 1.1661 - val_loss
      14. 9350 - val_mean_absolute_error: 2.
    3477
550 Epoch 233/1000
551 - Os - Loss: 2.5147 -
    mean_absolute_error: 1.1031 - val_loss
     15.3568 - val_mean_absolute_error: 2.
    7102
552 Epoch 234/1000
    - 0s - loss: 2.6380
553
    mean_absolute_error: 1.1422 - val_loss
      14.9703 - val_mean_absolute_error: 2.
    3754
554 Epoch 235/1000
    - 0s - loss: 2.6223 -
555 l
    mean_absolute_error: 1.1284 - val_loss
     15.6622 - val_mean_absolute_error: 2.
    3686
556 Epoch 236/1000
```

```
- 0s - loss: 2.5740 -
557
    mean_absolute_error: 1.1127 - val_loss
      14.2099 - val_mean_absolute_error: 2.
    4605
558 Epoch 237/1000
559 - 0s - loss: 2.5873 -
    mean_absolute_error: 1.1246 - val_loss
    15.8376 - val_mean_absolute_error: 2.
    3912
560 Epoch 238/1000
561 - 0s - loss: 2.7348 -
    mean_absolute_error: 1.1609 - val_loss
    : 14.4543 - val_mean_absolute_error: 2.
    3517
562 Epoch 239/1000
    - 0s - loss: 2.4589 -
563
    mean_absolute_error: 1.0827 - val_loss
    14.9896 - val_mean_absolute_error: 2.
    3719
564 Epoch 240/1000
    - 0s - loss: 2.4529 -
565 l
    mean_absolute_error: 1.0630 - val_loss
      15.6208 - val_mean_absolute_error: 2.
    3508
```

```
566
```

```
Epoch 00240: val_mean_absolute_error
567
    improved from 2.37044 to 2.35075,
    saving model to ./model/model_Epoch0240
    -val_mean_absolute_error2.35.h5
568 Epoch 241/1000
    - 0s - loss: 2.6008 -
569 I
    mean_absolute_error: 1.1054 - val_loss
      15.1442 - val_mean_absolute_error: 2.
    5803
570 Epoch 242/1000
    - 0s - loss: 2.5024 -
571 l
    mean_absolute_error: 1.0556 - val_loss
      16. 2678 - val_mean_absolute_error: 2.
    4531
572 Epoch 243/1000
573 - 0s - loss: 2.5392 -
    mean_absolute_error: 1.1391 - val_loss
      15.8161 - val_mean_absolute_error: 2.
    3862
574 Epoch 244/1000
    - 0s - loss: 2.5439
575 l
    mean_absolute_error: 1.1179 - val_loss
     15.7646 - val_mean_absolute_error: 2.
```

```
File - boston01
575 3813
576 Epoch 245/1000
577 - 0s - loss: 2.5994
    mean_absolute_error: 1.1413 - val_loss
     15.3936 - val_mean_absolute_error: 2.
    4186
578 Epoch 246/1000
579 - Os - Loss: 2.4311 -
    mean_absolute_error: 1.0650 - val_loss
     14.8946 - val_mean_absolute_error: 2.
    4055
580 Epoch 247/1000
     - Os - Loss: 2.5681 -
581 I
    mean_absolute_error: 1.0986 - val_loss
     14.8327 - val_mean_absolute_error: 2.
    4875
582 Epoch 248/1000
     - Os - loss: 2.4337 -
583
    mean_absolute_error: 1.0475 - val_loss
    : 15.8474 - val_mean_absolute_error: 2.
    3294
584 Epoch 249/1000
     - 0s - loss: 2.3942 -
585
    mean_absolute_error: 1.0954 - val_loss
```

```
15.0135 - val_mean_absolute_error: 2.
585
    7257
586 Epoch 250/1000
    - 0s - loss: 2.4322 -
587
    mean_absolute_error: 1.1058 - val_loss
      14.9843 - val_mean_absolute_error: 2.
    3462
588
    Epoch 00250: val_mean_absolute_error
589
    improved from 2.35075 to 2.34617,
    saving model to ./model/model_Epoch0250
    -val_mean_absolute_error2.35.h5
590 Epoch 251/1000
    - 0s - loss: 2.4432 -
591
    mean_absolute_error: 1.0795 - val_loss
      15.1566 - val_mean_absolute_error: 2.
    3375
592 Epoch 252/1000
    - 0s - loss: 2.4293 -
593
    mean_absolute_error: 1.1008 - val_loss
      15.0765 - val_mean_absolute_error: 2.
    6591
594 Epoch 253/1000
    - 0s - loss: 2.6142
595
```

```
595 mean_absolute_error: 1.1886 - val_loss
      14.4562 - val_mean_absolute_error: 2.
    5125
596 Epoch 254/1000
    - 0s - loss: 2.4505 -
597 l
    mean_absolute_error: 1.0981 - val_loss
     15.0648 - val_mean_absolute_error: 2.
    3752
598 Epoch 255/1000
599 - 0s - loss: 2.5812 -
    mean_absolute_error: 1.1018 - val_loss
     15.1408 - val_mean_absolute_error: 2.
    3436
600 Epoch 256/1000
    - 0s - loss: 2.2909 -
601 l
    mean_absolute_error: 1.0618 - val_loss
     15.7782 - val_mean_absolute_error: 2.
    4280
602 Epoch 257/1000
    - 0s - loss: 2.5267 -
603
    mean_absolute_error: 1.1237 - val_loss
     15.7746 - val_mean_absolute_error: 2.
    3268
604 Epoch 258/1000
```

```
- 0s - loss: 2.3111 -
605
    mean_absolute_error: 1.0357 - val_loss
      15.1759 - val_mean_absolute_error: 2.
    5407
606 Epoch 259/1000
607 - 0s - loss: 2.4841 -
    mean_absolute_error: 1.0939 - val_loss
     15.6691 - val_mean_absolute_error: 2.
    5940
608 Epoch 260/1000
    - 0s - loss: 2.5196 -
609 l
    mean_absolute_error: 1.0986 - val_loss
      14.4459 - val_mean_absolute_error: 2.
    5220
610
   Epoch 00260: val_mean_absolute_error
    did not improve from 2.34617
612 Epoch 261/1000
    - 0s - loss: 2.3573 -
613 l
    mean_absolute_error: 1.0628 - val_loss
      15.0700 - val_mean_absolute_error: 2.
    7376
614 Epoch 262/1000
    - 0s - loss: 2.3871
615
```

```
615 mean_absolute_error: 1.1054 - val_loss
      14.6402 - val_mean_absolute_error: 2.
    3826
616 Epoch 263/1000
    - 0s - loss: 2.3120 -
617 I
    mean_absolute_error: 1.0613 - val_loss
      15.3541 - val_mean_absolute_error: 2.
    3853
618 Epoch 264/1000
619 - 0s - loss: 2.2637 -
    mean_absolute_error: 1.0607 - val_loss
     14.9011 - val_mean_absolute_error: 2.
    3870
620 Epoch 265/1000
    - 0s - loss: 2.2324 -
621
    mean_absolute_error: 1.0240 - val_loss
     14.7012 - val_mean_absolute_error: 2.
    3817
622 Epoch 266/1000
623 - 0s - loss: 2.3545 -
    mean_absolute_error: 1.0780 - val_loss
      14.7826 - val_mean_absolute_error: 2.
    4492
624 Epoch 267/1000
```

```
- 0s - loss: 2.4608 -
625
    mean_absolute_error: 1.0838 - val_loss
      14.9630 - val_mean_absolute_error: 2.
    5956
626 Epoch 268/1000
627 - 0s - loss: 2.2883 -
    mean_absolute_error: 1.0278 - val_loss
     14.7649 - val_mean_absolute_error: 2.
    5545
628 Epoch 269/1000
    - 0s - loss: 2.1454 -
629
    mean_absolute_error: 1.0071 - val_loss
      14.0932 - val_mean_absolute_error: 2.
    5414
630 Epoch 270/1000
    - 0s - Loss: 2.4364 -
631
    mean_absolute_error: 1.0835 - val_loss
      14.7341 - val_mean_absolute_error: 2.
    2787
632
   Epoch 00270: val_mean_absolute_error
633
    improved from 2.34617 to 2.27868,
    saving model to ./model/model_Epoch0270
    -val_mean_absolute_error2.28.h5
```

636 Epoch 272/1000

3278

- 637 Os Loss: 2.1714 mean_absolute_error: 1.0398 val_loss : 14.8482 val_mean_absolute_error: 2.6968
- 638 Epoch 273/1000
- 639 Os Loss: 2.4665 mean_absolute_error: 1.0828 val_loss: 14.4017 val_mean_absolute_error: 2.4534
- 640 Epoch 274/1000
- mean_absolute_error: 0.9815 val_loss: 15.1314 val_mean_absolute_error: 2.5856
- 642 Epoch 275/1000
- 0s loss: 2.3871 mean_absolute_error: 1.0624 val_loss: 15.1847 val_mean_absolute_error: 2.

```
File - boston01
643 4384
644 Epoch 276/1000
645 - 0s - loss: 2.2599
    mean_absolute_error: 1.0364 - val_loss
     14.0144 - val_mean_absolute_error: 2.
    5249
646 Epoch 277/1000
647 - 0s - loss: 2.2694 -
    mean_absolute_error: 1.0616 - val_loss
      14.8226 - val_mean_absolute_error: 2.
    2997
648 Epoch 278/1000
649 - 0s - loss: 2.1846 -
    mean_absolute_error: 1.0295 - val_loss
    : 14.9187 - val_mean_absolute_error: 2.
    3189
650 Epoch 279/1000
651 - 0s - loss: 2.2912 -
    mean_absolute_error: 1.0752 - val_loss
     14.7807 - val_mean_absolute_error: 2.
    4501
652 Epoch 280/1000
     - 0s - loss: 2.2902 -
653
    mean_absolute_error: 1.0519 - val_l<u>oss</u>
```

```
15.8950 - val_mean_absolute_error: 2.
653
    3306
654
655 Epoch 00280: val_mean_absolute_error
    did not improve from 2.27868
656 Epoch 281/1000
    - 0s - loss: 2.2105
657 I
    mean_absolute_error: 1.0388 - val_loss
      17.8994 - val_mean_absolute_error: 2.
    4921
658 Epoch 282/1000
    - 0s - loss: 2.0899 -
659
    mean_absolute_error: 1.0078 - val_loss
      17.7121 - val_mean_absolute_error: 2.
    7148
660 Epoch 283/1000
    - 0s - Loss: 2.4057 -
661
    mean_absolute_error: 1.0730 - val_loss
     15.2407 - val_mean_absolute_error: 2.
    6461
662 Epoch 284/1000
    - 0s - loss: 2.1966 -
663
    mean_absolute_error: 1.0299 - val_loss
     15.8173 - val_mean_absolute_error: 2.
```

```
File - boston01
663 3053
664 Epoch 285/1000
     - 0s - loss: 2.2464
665
    mean_absolute_error: 1.0205 - val_loss
     15.0818 - val_mean_absolute_error: 2.
    4386
666 Epoch 286/1000
     - 0s - loss: 2.1356 -
667
    mean_absolute_error: 1.0381 - val_loss
      16.1439 - val_mean_absolute_error: 2.
    4709
668 Epoch 287/1000
669 - 0s - loss: 2.2523 -
    mean_absolute_error: 1.0469 - val_loss
     17.3775 - val_mean_absolute_error: 2.
    6685
670 Epoch 288/1000
671 - 0s - loss: 2.3984 -
    mean_absolute_error: 1.0609 - val_loss
    : 17.4644 - val_mean_absolute_error: 2.
    4816
672 Epoch 289/1000
     - 0s - loss: 2.2076 -
673 l
    mean_absolute_error: 1.0211 - val_loss
```

```
14.8777 - val_mean_absolute_error: 2.
673
    4257
674 Epoch 290/1000
    - 0s - loss: 2.1017 -
675
    mean_absolute_error: 1.0165 - val_loss
      15.0906 - val_mean_absolute_error: 2.
    3026
676
    Epoch 00290: val_mean_absolute_error
677
    did not improve from 2.27868
678 Epoch 291/1000
    - 0s - loss: 2.1869 -
679
    mean_absolute_error: 1.0559 - val_loss
      14.0647 - val_mean_absolute_error: 2.
    4907
680 Epoch 292/1000
    - 0s - loss: 2.0737 -
681
    mean_absolute_error: 0.9896 - val_loss
     15.5242 - val_mean_absolute_error: 2.
    2783
682 Epoch 293/1000
    - 0s - loss: 2.3725 -
683
    mean_absolute_error: 1.0535 - val_loss
     15.0866 - val_mean_absolute_error: 2.
```

```
File - boston01
683 2942
684 Epoch 294/1000
     - 0s - loss: 2.0685
685 l
    mean_absolute_error: 0.9988 - val_loss
      14.8762 - val_mean_absolute_error: 2.
    3743
686 Epoch 295/1000
     - 0s - loss: 2.2338
687
    mean_absolute_error: 1.0566 - val_loss
     15.0451 - val_mean_absolute_error: 2.
    7630
688 Epoch 296/1000
     - 0s - loss: 2.4116_-
689 I
    mean_absolute_error: 1.0665 - val_loss
     15.9035 - val_mean_absolute_error: 2.
    3368
690 Epoch 297/1000
     - 0s - loss: 2.0992 -
691
    mean_absolute_error: 0.9957 - val_loss
    : 14.5505 - val_mean_absolute_error: 2.
    3696
692 Epoch 298/1000
     - 0s - loss: 2.0936 -
693
    mean_absolute_error: 1.0134 - val_loss
```

```
15.2790 - val_mean_absolute_error: 2.
693
    2898
694 Epoch 299/1000
    - 0s - loss: 2.1483 -
695
    mean_absolute_error: 1.0230 - val_loss
     14.8111 - val_mean_absolute_error: 2.
    4009
696 Epoch 300/1000
697
    - 0s - loss: 2.1265 -
    mean_absolute_error: 1.0240 - val_loss
      14.7192 - val_mean_absolute_error: 2.
    2983
698
   Epoch 00300: val_mean_absolute_error
699
    did not improve from 2.27868
700 Epoch 301/1000
701 - 0s - loss: 2.2190 -
    mean_absolute_error: 1.0188 - val_loss
     14.4182 - val_mean_absolute_error: 2.
    3559
702 Epoch 302/1000
    - 0s - loss: 2.1514 -
703 l
    mean_absolute_error: 0.9979 - val_loss
     14.3620 - val_mean_absolute_error: 2.
```

```
File - boston01
703 4411
704 Epoch 303/1000
     - 0s - loss: 2.0215 -
705
    mean_absolute_error: 1.0100 - val_loss
     14.2522 - val_mean_absolute_error: 2.
    4251
706 Epoch 304/1000
707 - 0s - loss: 1.9900 -
    mean_absolute_error: 0.9877 - val_loss
     14.7882 - val_mean_absolute_error: 2.
    3899
708 Epoch 305/1000
709 - 0s - loss: 2.0423 -
    mean_absolute_error: 1.0051 - val_loss
     14.9730 - val_mean_absolute_error: 2.
    5850
710 Epoch 306/1000
711 - 0s - loss: 2.2166 -
    mean_absolute_error: 1.0324 - val_loss
     14.2201 - val_mean_absolute_error: 2.
    4896
712 Epoch 307/1000
713 - 0s - loss: 2.0770 -
    mean_absolute_error: 0.9913 - val_l<u>oss</u>
```

```
713 : 14.1804 - val_mean_absolute_error: 2.
    3132
714 Epoch 308/1000
715 - 0s - loss: 1.9095 -
    mean_absolute_error: 0.9435 - val_loss
      15.3982 - val_mean_absolute_error: 2.
    5432
716 Epoch 309/1000
717 - 0s - loss: 2.1437 -
    mean_absolute_error: 1.0149 - val_loss
     15.0632 - val_mean_absolute_error: 2.
    3842
718 Epoch 310/1000
719 - 0s - loss: 2.0585 -
    mean_absolute_error: 0.9797 - val_loss
      17.7830 - val_mean_absolute_error: 2.
    5849
720
   Epoch 00310: val_mean_absolute_error
721
    did not improve from 2.27868
722 Epoch 311/1000
723 - 0s - loss: 2.1620 -
    mean_absolute_error: 1.0164 - val_loss
     18.3972 - val_mean_absolute_error: 2.
```

```
: 15.2359 - val_mean_absolute_error: 2.
733
    3019
734 Epoch 317/1000
    - 0s - loss: 1.9706 -
735 l
    mean_absolute_error: 1.0049 - val_loss
    : 17.0828 - val_mean_absolute_error: 2.
    6797
736 Epoch 318/1000
    - 0s - loss: 2.0393 -
737 |
    mean_absolute_error: 0.9737 - val_loss
     15.0948 - val_mean_absolute_error: 2.
    6181
738 Epoch 319/1000
    - 0s - loss: 1.9211 -
739
    mean_absolute_error: 0.9437 - val_loss
      15.2936 - val_mean_absolute_error: 2.
    3663
740 Epoch 320/1000
    - 0s - loss: 2.0960_-
741
    mean_absolute_error: 1.0314 - val_loss
      14.3545 - val_mean_absolute_error: 2.
    2714
742
    Epoch 00320: val_mean_absolute_error
743
```

```
743 improved from 2.27868 to 2.27144,
    saving model to ./model/model_Epoch0320
    -val_mean_absolute_error2.27.h5
744 Epoch 321/1000
    - 0s - loss: 1.9044 -
745 l
    mean_absolute_error: 0.9583 - val_loss
      16.3304 - val_mean_absolute_error: 2.
    4341
746 Epoch 322/1000
747 - 0s - loss: 2.1304 -
    mean_absolute_error: 1.0233 - val_loss
      14.6589 - val_mean_absolute_error: 2.
    5445
748 Epoch 323/1000
    - 0s - loss: 1.9075 -
749 l
    mean_absolute_error: 0.9564 - val_loss
     15.1806 - val_mean_absolute_error: 2.
    2832
750 Epoch 324/1000
    - 0s - loss: 2.0301 -
751 l
    mean_absolute_error: 0.9918 - val_loss
     13.9229 - val_mean_absolute_error: 2.
    5236
752 Epoch 325/1000
```

```
- 0s - loss: 1.9731 -
753
    mean_absolute_error: 0.9991 - val_loss
     14.6705 - val_mean_absolute_error: 2.
    3190
754 Epoch 326/1000
    - 0s - loss: 1.9225 -
755 l
    mean_absolute_error: 0.9350 - val_loss
      14.5299 - val_mean_absolute_error: 2.
    4179
756 Epoch 327/1000
757 - 0s - loss: 1.9881 -
    mean_absolute_error: 0.9949 - val_loss
      14.5081 - val_mean_absolute_error: 2.
    2974
758 Epoch 328/1000
    - 0s - Loss: 1.7965 -
759
    mean_absolute_error: 0.9291 - val_loss
     13.3162 - val_mean_absolute_error: 2.
    3665
760 Epoch 329/1000
    - 0s - loss: 1.9571 -
761
    mean_absolute_error: 0.9876 - val_loss
      14.3532 - val_mean_absolute_error: 2.
```

771 - 0s - loss: 1.8669 - mean_absolute_error: 0.9938 - val_loss : 14.6616 - val_mean_absolute_error: 2.3220

772 Epoch 334/1000

```
- 0s - loss: 1.9868 -
773
    mean_absolute_error: 1.0057 - val_loss
      15.2658 - val_mean_absolute_error: 2.
    4762
774 Epoch 335/1000
775 - 0s - loss: 2.0014 -
    mean_absolute_error: 0.9835 - val_loss
     14.0339 - val_mean_absolute_error: 2.
    5222
776 Epoch 336/1000
777 - 0s - loss: 1.8816 -
    mean_absolute_error: 0.9597 - val_loss
     14.8914 - val_mean_absolute_error: 2.
    2979
778 Epoch 337/1000
779
    - 0s - Loss: 1.8513 -
    mean_absolute_error: 0.9512 - val_loss
     13.9345 - val_mean_absolute_error: 2.
    5279
780 Epoch 338/1000
    - 0s - loss: 1.8177 -
781
    mean_absolute_error: 0.9484 - val_loss
     14.7740 - val_mean_absolute_error: 2.
    3942
```

783 - Os - Loss: 1.8739 -

mean_absolute_error: 0.9610 - val_loss

: 14.3029 - val_mean_absolute_error: 2.

4728

784 Epoch 340/1000

785 - 0s - loss: 1.9201 - mean_absolute_error: 0.9598 - val_loss : 15.3677 - val_mean_absolute_error: 2.

3744

786

787 Epoch 00340: val_mean_absolute_error did not improve from 2.27144

788 Epoch 341/1000

789 - 0s - loss: 1.8761 - mean_absolute_error: 0.9605 - val_loss : 14.2186 - val_mean_absolute_error: 2.3111

790 Epoch 342/1000

791 - 0s - loss: 1.9512 - mean_absolute_error: 0.9631 - val_loss : 16.1321 - val_mean_absolute_error: 2. 3997

792 Epoch 343/1000

```
- 0s - loss: 1.7205 -
793
    mean_absolute_error: 0.9050 - val_loss
      14.8215 - val_mean_absolute_error: 2.
    5433
794 Epoch 344/1000
    - 0s - loss: 1.8581 -
795
    mean_absolute_error: 0.9509 - val_loss
     14.5676 - val_mean_absolute_error: 2.
    3571
796 Epoch 345/1000
797 - 0s - loss: 1.8681 -
    mean_absolute_error: 0.9185 - val_loss
      14.2676 - val_mean_absolute_error: 2.
    2742
798 Epoch 346/1000
    - 0s - Loss: 1.8569 -
799
    mean_absolute_error: 0.9499 - val_loss
      16.2702 - val_mean_absolute_error: 2.
    5774
800 Epoch 347/1000
    - 0s - loss: 1.8741 -
801
    mean_absolute_error: 0.9380 - val_loss
     16.2111 - val_mean_absolute_error: 2.
    7778
```

811 - 0s - loss: 1.8210 - mean_absolute_error: 0.9425 - val_loss : 17.4362 - val_mean_absolute_error: 2.7120
812 Epoch 352/1000

```
- 0s - loss: 1.7342 -
813
    mean_absolute_error: 0.9100 - val_loss
      15.1502 - val_mean_absolute_error: 2.
    3620
814 Epoch 353/1000
815 - 0s - loss: 1.9354 -
    mean_absolute_error: 0.9664 - val_loss
     15.0887 - val_mean_absolute_error: 2.
    5070
816 Epoch 354/1000
817 - 0s - loss: 1.7956 -
    mean_absolute_error: 0.9404 - val_loss
    : 14.3860 - val_mean_absolute_error: 2.
    3516
818 Epoch 355/1000
    - 0s - loss: 1.8224 -
819 l
    mean_absolute_error: 0.9497 - val_loss
    14.7000 - val_mean_absolute_error: 2.
    3006
820 Epoch 356/1000
    - 0s - loss: 1.8560 -
821
    mean_absolute_error: 0.9431 - val_loss
     14.7023 - val_mean_absolute_error: 2.
    5029
```

mean_absolute_error: 0.9273 - val_loss 14. 1049 - val_mean_absolute_error: 2. 6251

828 Epoch 360/1000

- 0s - Loss: 1.7815 -829 mean_absolute_error: 0.9280 - val_loss 14.4603 - val_mean_absolute_error: 2. 5000

830

831 Epoch 00360: val_mean_absolute_error did not improve from 2.27144

832 Epoch 361/1000

```
- 0s - loss: 1.7373 -
833
    mean_absolute_error: 0.9016 - val_loss
      18.0599 - val_mean_absolute_error: 2.
    5906
834 Epoch 362/1000
835
    - 0s - loss: 1.7415 -
    mean_absolute_error: 0.9031 - val_loss
     14.2964 - val_mean_absolute_error: 2.
    5967
836 Epoch 363/1000
837 - 0s - loss: 1.6634 -
    mean_absolute_error: 0.9207 - val_loss
     17.7202 - val_mean_absolute_error: 2.
    6326
838 Epoch 364/1000
    - 0s - Loss: 1.7729 -
839
    mean_absolute_error: 0.9331 - val_loss
      13.7976 - val_mean_absolute_error: 2.
    2670
840 Epoch 365/1000
    - 0s - loss: 1.8562 -
841
    mean_absolute_error: 0.9745 - val_loss
      14.5467 - val_mean_absolute_error: 2.
    3383
```

```
842 Epoch 366/1000
     - 0s - Loss: 1.8979 -
843
    mean_absolute_error: 0.9670 - val_loss
      13.8036 - val_mean_absolute_error: 2.
    5750
844 Epoch 367/1000
    - 0s - loss: 1.8435
845
    mean_absolute_error: 0.9378 - val_loss
      14.6135 - val_mean_absolute_error: 2.
    4277
846 Epoch 368/1000
    - 0s - loss: 1.6278 -
847
    mean_absolute_error: 0.8752 - val_loss
      16.4540 - val_mean_absolute_error: 2.
    7027
848 Epoch 369/1000
    - 0s - loss: 1.7783 -
849
    mean_absolute_error: 0.9456 - val_loss
     14.2592 - val_mean_absolute_error: 2.
    4673
850 Epoch 370/1000
    - 0s - loss: 1.7151
851
    mean_absolute_error: 0.9234 - val_loss
     17.0672 - val_mean_absolute_error: 2.
```

```
File - boston01
851 4163
852
853 Epoch 00370: val_mean_absolute_error
    did not improve from 2.27144
854 Epoch 371/1000
     - 0s - loss: 1.7692 -
855
    mean_absolute_error: 0.9461 - val_loss
      15.7099 - val_mean_absolute_error: 2.
    3627
856 Epoch 372/1000
857 - 0s - loss: 1.6933 -
    mean_absolute_error: 0.9023 - val_loss
    : 15.2885 - val_mean_absolute_error: 2.
    2896
858 Epoch 373/1000
     - 0s - loss: 1.7778 -
859
    mean_absolute_error: 0.9383 - val_loss
     16.2586 - val_mean_absolute_error: 2.
    7209
860 Epoch 374/1000
861
     - 0s - loss: 1.6023 -
    mean_absolute_error: 0.8796 - val_loss
      15.8011 - val_mean_absolute_error: 2.
    5128
```

mean_absolute_error: 0.8767 - val_loss 13.7572 - val_mean_absolute_error: 2.

868 Epoch 378/1000

- 0s - loss: 1.6994 -869 mean_absolute_error: 0.9062 - val_loss 15.8079 - val_mean_absolute_error: 2. 4070

870 Epoch 379/1000

- 0s - loss: 1.6933 871 l mean_absolute_error: 0.9031 - val_loss 14.7378 - val_mean_absolute_error: 2.

```
File - boston01
871 3622
872 Epoch 380/1000
     - 0s - loss: 1.6416 -
873
    mean_absolute_error: 0.8921 - val_loss
      14.9661 - val_mean_absolute_error: 2.
    2872
874
875 Epoch 00380: val_mean_absolute_error
    did not improve from 2.27144
876 Epoch 381/1000
877 - 0s - loss: 1.6134 -
    mean_absolute_error: 0.9259 - val_loss
    : 16.5761 - val_mean_absolute_error: 2.
    3802
878 Epoch 382/1000
     - 0s - loss: 1.6450 -
879
    mean_absolute_error: 0.9083 - val_loss
     17.4253 - val_mean_absolute_error: 2.
    6104
880 Epoch 383/1000
     - 0s - loss: 1.7753 -
881
    mean_absolute_error: 0.9175 - val_loss
     14.6023 - val_mean_absolute_error: 2.
    2901
```

890 Epoch 388/1000 891 - Os - Loss: 1.6807 mean_absolute_error: 0.9047 - val_loss : 15.9110 - val_mean_absolute_error: 2.

```
File - boston01
    4242
891
892 Epoch 389/1000
     - 0s - loss: 1.6043
893
    mean_absolute_error: 0.8894 - val_loss
      14.4427 - val_mean_absolute_error: 2.
    4179
894 Epoch 390/1000
895
     - 0s - loss: 1.5820
    mean_absolute_error: 0.8699 - val_loss
      14.6783 - val_mean_absolute_error: 2.
    3482
896
    Epoch 00390: val_mean_absolute_error
897
    did not improve from 2.27144
898 Epoch 391/1000
     - 0s - loss: 1.5256 -
899
    mean_absolute_error: 0.8605 - val_loss
      14.9008 - val_mean_absolute_error: 2.
    5439
900 Epoch 392/1000
901
     - 0s - loss: 1.7398 -
    mean_absolute_error: 0.9394 - val_loss
      14.9994 - val_mean_absolute_error: 2.
    2908
```

```
902 Epoch 393/1000
    - 0s - loss: 1.5851 -
903
    mean_absolute_error: 0.8801 - val_loss
      13.7876 - val_mean_absolute_error: 2.
    4453
904 Epoch 394/1000
905 - 0s - loss: 1.5952
    mean_absolute_error: 0.8765 - val_loss
      17.4869 - val_mean_absolute_error: 2.
    8696
906 Epoch 395/1000
    - 0s - loss: 1.8694 -
907 l
    mean_absolute_error: 0.9696 - val_loss
      14.7725 - val_mean_absolute_error: 2.
    4959
908 Epoch 396/1000
    - 0s - loss: 1.6441 -
909
    mean_absolute_error: 0.8979 - val_loss
     14.5916 - val_mean_absolute_error: 2.
    3750
910 Epoch 397/1000
    - 0s - loss: 1.5268
911
    mean_absolute_error: 0.8862 - val_loss
     14.0668 - val_mean_absolute_error: 2.
```

```
File - boston01
911 5606
912 Epoch 398/1000
     - 0s - loss: 1.5559
913 l
    mean_absolute_error: 0.8838 - val_loss
      15.1499 - val_mean_absolute_error: 2.
    6334
914 Epoch 399/1000
915 - 0s - loss: 1.4574 -
    mean_absolute_error: 0.8563 - val_loss
      14.7874 - val_mean_absolute_error: 2.
    3924
916 Epoch 400/1000
917 - 0s - loss: 1.6247 -
    mean_absolute_error: 0.8791 - val_loss
      14.1635 - val_mean_absolute_error: 2.
    3754
918
919 Epoch 00400: val_mean_absolute_error
    did not improve from 2.27144
920 Epoch 401/1000
     - 0s - loss: 1.5301 -
921
    mean_absolute_error: 0.8525 - val_loss
      15.7665 - val_mean_absolute_error: 2.
    3800
```

```
922 Epoch 402/1000
    - 0s - loss: 1.5806 -
923
    mean_absolute_error: 0.8835 - val_loss
      14.7798 - val_mean_absolute_error: 2.
    4916
924 Epoch 403/1000
925 - 0s - loss: 1.5681 -
    mean_absolute_error: 0.8799 - val_loss
      16.2282 - val_mean_absolute_error: 2.
    6868
926 Epoch 404/1000
    - 0s - loss: 1.6671 -
927 l
    mean_absolute_error: 0.8771 - val_loss
      15.5469 - val_mean_absolute_error: 2.
    6951
928 Epoch 405/1000
929 - 0s - loss: 1.6460 -
    mean_absolute_error: 0.9056 - val_loss
     14.4065 - val_mean_absolute_error: 2.
    5594
930 Epoch 406/1000
    - 0s - loss: 1.6400
931
    mean_absolute_error: 0.9105 - val_loss
     14.7435 - val_mean_absolute_error: 2.
```

```
File - boston01
931 4422
932 Epoch 407/1000
     - 0s - loss: 1.5604
933
    mean_absolute_error: 0.8955 - val_loss
     14.8783 - val_mean_absolute_error: 2.
    3511
934 Epoch 408/1000
     - 0s - loss: 1.4066 -
935
    mean_absolute_error: 0.8364 - val_loss
     14.4007 - val_mean_absolute_error: 2.
    6051
936 Epoch 409/1000
937 - 0s - loss: 1.6150 -
    mean_absolute_error: 0.9263 - val_loss
     13.9988 - val_mean_absolute_error: 2.
    5833
938 Epoch 410/1000
     - 0s - loss: 1.5663 -
939
    mean_absolute_error: 0.8712 - val_loss
      15.3370 - val_mean_absolute_error: 2.
    4575
940
    Epoch 00410: val_mean_absolute_error
941
    did not improve from 2.27144
```

```
942 Epoch 411/1000
943
    - 0s - loss: 1.5496 -
    mean_absolute_error: 0.8518 - val_loss
      16.2171 - val_mean_absolute_error: 2.
    4773
944 Epoch 412/1000
    - 0s - loss: 1.5812 -
945
    mean_absolute_error: 0.9066 - val_loss
     17.2007 - val_mean_absolute_error: 2.
    5140
946 Epoch 413/1000
    - 0s - loss: 1.5126 -
947
    mean_absolute_error: 0.8596 - val_loss
      17.6244 - val_mean_absolute_error: 2.
    6828
948 Epoch 414/1000
    - 0s - loss: 1.5289 -
949
    mean_absolute_error: 0.8514 - val_loss
     15.7537 - val_mean_absolute_error: 2.
    6315
950 Epoch 415/1000
    - 0s - loss: 1.5697
951
    mean_absolute_error: 0.8854 - val_loss
     14.6440 - val_mean_absolute_error: 2.
```

```
File - boston01
951 3709
952 Epoch 416/1000
     - 0s - loss: 1.5743
953
    mean_absolute_error: 0.8640 - val_loss
      17.0925 - val_mean_absolute_error: 2.
    4747
954 Epoch 417/1000
     - 0s - loss: 1.4604 -
955
    mean_absolute_error: 0.8226 - val_loss
      16.1083 - val_mean_absolute_error: 2.
    4355
956 Epoch 418/1000
957 - 0s - loss: 1.5086 -
    mean_absolute_error: 0.8583 - val_loss
     15.2075 - val_mean_absolute_error: 2.
    8353
958 Epoch 419/1000
     - 0s - loss: 1.6594 -
959
    mean_absolute_error: 0.8523 - val_loss
      14.7672 - val_mean_absolute_error: 2.
    4105
960 Epoch 420/1000
     - 0s - loss: 1.5441 -
961
    mean_absolute_error: 0.8795 - val_loss
```

```
17.0386 - val_mean_absolute_error: 2.
961
    5419
962
963 Epoch 00420: val_mean_absolute_error
    did not improve from 2.27144
964 Epoch 421/1000
    - 0s - loss: 1.6169
965
    mean_absolute_error: 0.9126 - val_loss
      15.2125 - val_mean_absolute_error: 2.
    3352
966 Epoch 422/1000
    - 0s - loss: 1.4912 -
967
    mean_absolute_error: 0.8169 - val_loss
      17.8975 - val_mean_absolute_error: 2.
    5569
968 Epoch 423/1000
    - 0s - loss: 1.4809 -
969
    mean_absolute_error: 0.8633 - val_loss
     14.6443 - val_mean_absolute_error: 2.
    3562
970 Epoch 424/1000
    - 0s - loss: 1.4644 -
971
    mean_absolute_error: 0.8596 - val_loss
     15.0086 - val_mean_absolute_error: 2.
```

```
File - boston01
971 3641
972 Epoch 425/1000
973 - 0s - loss: 1.4687 -
    mean_absolute_error: 0.8473 - val_loss
      15.6129 - val_mean_absolute_error: 2.
    4222
974 Epoch 426/1000
975 - 0s - loss: 1.4116 -
    mean_absolute_error: 0.8391 - val_loss
     17.2641 - val_mean_absolute_error: 2.
    6848
976 Epoch 427/1000
977 - 0s - loss: 1.5447 -
    mean_absolute_error: 0.8691 - val_loss
     16.6420 - val_mean_absolute_error: 2.
    5707
978 Epoch 428/1000
     - 0s - loss: 1.4498 -
979
    mean_absolute_error: 0.8801 - val_loss
    : 15.8532 - val_mean_absolute_error: 2.
    5848
980 Epoch 429/1000
     - 0s - loss: 1.5446 -
981
    mean_absolute_error: 0.8538 - val_loss
```

```
18.8760 - val_mean_absolute_error: 2
981
     7343
982 Epoch 430/1000
    - 0s - loss: 1.6697 -
983
    mean_absolute_error: 0.8733 - val_loss
      15.2405 - val_mean_absolute_error: 2
    3250
984
985 Epoch 00430: val_mean_absolute_error
    did not improve from 2.27144
986 Epoch 431/1000
    - 0s - loss: 1.3044 -
987 |
    mean_absolute_error: 0.7723 - val_loss
      15.1391 - val_mean_absolute_error: 2
     3493
988 Epoch 432/1000
    - 0s - loss: 1.3818 -
989
    mean_absolute_error: 0.8251 - val_loss
      15.8354 - val_mean_absolute_error: 2
     4740
990 Epoch 433/1000
    - 0s - loss: 1.6315
991
    mean_absolute_error: 0.8753 - val_loss
     15.0172 - val_mean_absolute_error: 2
```

```
File - boston01
      . 5300
 991
 992 Epoch 434/1000
      - 0s - loss: 1.4314
 993
     mean_absolute_error: 0.8294 - val_loss
       15.8275 - val_mean_absolute_error: 2
      5561
 994 Epoch 435/1000
 995 - 0s - loss: 1.4581
     mean_absolute_error: 0.8466 - val_loss
       19.9660 - val_mean_absolute_error:
      7807
 996 Epoch 436/1000
      - 0s - loss: 1.3891
 997 |
     mean_absolute_error: 0.8256 - val_loss
       15.1839 - val_mean_absolute_error:
      3931
 998 Epoch 437/1000
 999 - 0s - loss: 1.4526 -
     mean_absolute_error: 0.8553 - val_loss
       18.6208 - val_mean_absolute_error:
      8468
1000 Epoch 438/1000
1001 - 0s - loss: 1.6221 -
     mean_absolute_error: 0.9080 - val_l<u>oss</u>
```

```
15.2141 - val_mean_absolute_error: 2
1001
     3682
1002 Epoch 439/1000
     - 0s - loss: 1.3062 -
1003
    mean_absolute_error: 0.7833 - val_loss
      17.3299 - val_mean_absolute_error: 2
     6129
1004 Epoch 440/1000
1005
     - 0s - loss: 1.3235 -
    15.9880 - val_mean_absolute_error: 2
     4058
1006
    Epoch 00440: val_mean_absolute_error
1007
    did not improve from 2.27144
1008 Epoch 441/1000
     - 0s - loss: 1.3669 -
1009 l
    mean_absolute_error: 0.8212 - val_loss
      14.3328 - val_mean_absolute_error: 2
     4701
1010 Epoch 442/1000
1011 - 0s - loss: 1.3935
    mean_absolute_error: 0.8267 - val_loss
     14.6002 - val_mean_absolute_error: 2
```

```
File - boston01
     . 4057
1011
1012 Epoch 443/1000
1013 - 0s - Loss: 1.4204
     mean_absolute_error: 0.8214 - val_loss
       14.9559 - val_mean_absolute_error: 2
      3654
1014 Epoch 444/1000
1015 - 0s - loss: 1.4647 -
     mean_absolute_error: 0.8662 - val_loss
       15.3976 - val_mean_absolute_error:
      4822
1016 Epoch 445/1000
1017 - 0s - loss: 1.4222 -
     mean_absolute_error: 0.8272 - val_loss
       15.7560 - val_mean_absolute_error:
      4258
1018 Epoch 446/1000
1019 - 0s - loss: 1.4528 -
     mean_absolute_error: 0.8374 - val_loss
       15.6806 - val_mean_absolute_error:
      6177
1020 Epoch 447/1000
1021 - 0s - loss: 1.4962 -
     mean_absolute_error: 0.8999 - val_loss
```

```
15.6793 - val_mean_absolute_error: 2
1021
     8603
1022 Epoch 448/1000
     - 0s - loss: 1.4847 -
1023
     mean_absolute_error: 0.8419 - val_loss
      14.4295 - val_mean_absolute_error: 2
     5691
1024 Epoch 449/1000
1025
     - 0s - loss: 1.3216 -
     mean_absolute_error: 0.7920 - val_loss
       14.3204 - val_mean_absolute_error: 2
      3853
1026 Epoch 450/1000
     - 0s - loss: 1.5425 -
1027
     mean_absolute_error: 0.8525 - val_loss
      14.8439 - val_mean_absolute_error: 2
     4094
1028
1029 Epoch 00450: val_mean_absolute_error
     did not improve from 2.27144
1030 Epoch 451/1000
1031 - 0s - Loss: 1.3961
     mean_absolute_error: 0.8513 - val_loss
      15.2733 - val_mean_absolute_error: 2
```

```
File - boston01
      . 3529
1031
1032 Epoch 452/1000
      - 0s - loss: 1.2873
1033
     mean_absolute_error: 0.8009 - val_loss
       15.3636 - val_mean_absolute_error: 2
      4302
1034 Epoch 453/1000
1035 - 0s - loss: 1.4651
     mean_absolute_error: 0.8252 - val_loss
       19.1872 - val_mean_absolute_error:
      7028
1036 Epoch 454/1000
1037 - 0s - loss: 1.3986 -
     mean_absolute_error: 0.8356 - val_loss
       14.6009 - val_mean_absolute_error:
      3821
1038 Epoch 455/1000
1039 - 0s - loss: 1.2751
     mean_absolute_error: 0.8080 - val_loss
       18.8501 - val_mean_absolute_error:
      8521
1040 Epoch 456/1000
1041 - 0s - loss: 1.5120 -
     mean_absolute_error: 0.8379 - val_l<u>oss</u>
```

```
15.3744 - val_mean_absolute_error:
1041
      4212
1042 Epoch 457/1000
     - 0s - loss: 1.3105 -
1043
     mean_absolute_error: 0.7972 - val_loss
       20.0620 - val_mean_absolute_error: 2
      8218
1044 Epoch 458/1000
1045
     - 0s - loss: 1.4630 -
     mean_absolute_error: 0.8031 - val_loss
       15.7770 - val_mean_absolute_error: 2
      3996
1046 Epoch 459/1000
     - 0s - loss: 1.3979 -
1047
     mean_absolute_error: 0.8249 - val_loss
      17.4707 - val_mean_absolute_error: 2
      5948
1048 Epoch 460/1000
     - 0s - Loss: 1.2955
1049
     mean_absolute_error: 0.7773 - val_loss
       14.7166 - val_mean_absolute_error: 2
     6065
1050
    Epoch 00460: val_mean_absolute_error
1051
```

```
15.1846 - val_mean_absolute_error: 2
1061
     6059
1062 Epoch 466/1000
     - 0s - loss: 1.2884 -
1063
    mean_absolute_error: 0.7912 - val_loss
      15.3182 - val_mean_absolute_error: 2
     4192
1064 Epoch 467/1000
1065
     - 0s - loss: 1.2263 -
    mean_absolute_error: 0.7824 - val_loss
      16.9179 - val_mean_absolute_error: 2
     6228
1066 Epoch 468/1000
     - 0s - loss: 1.3314 -
1067
    mean_absolute_error: 0.8077 - val_loss
      14.8826 - val_mean_absolute_error: 2
     5286
1068 Epoch 469/1000
     - 0s - loss: 1.3488
1069
    16.3800 - val_mean_absolute_error: 2
     6663
1070 Epoch 470/1000
     - 0s - loss: 1.5476 -
1071 l
```

```
1071 mean_absolute_error: 0.8933 - val_loss
       17.0024 - val_mean_absolute_error: 2
     4963
1072
1073 Epoch 00470: val_mean_absolute_error
     did not improve from 2.27144
1074 Epoch 471/1000
1075 - 0s - loss: 1.2216 -
     mean_absolute_error: 0.7555 - val_loss
       14.9169 - val_mean_absolute_error: 2
      4210
1076 Epoch 472/1000
1077 - 0s - loss: 1.4347 -
     mean_absolute_error: 0.8198 - val_loss
       14.7470 - val_mean_absolute_error: 2
      5996
1078 Epoch 473/1000
1079 - 0s - loss: 1.3208 -
     mean_absolute_error: 0.8213 - val_loss
       16.2234 - val_mean_absolute_error:
      3906
1080 Epoch 474/1000
1081 - 0s - loss: 1.2121 -
     mean_absolute_error: 0.7523 - val_l<u>oss</u>
```

```
16.3521 - val_mean_absolute_error: 2
1081
      4826
1082 Epoch 475/1000
     - 0s - loss: 1.4606 -
1083
     mean_absolute_error: 0.8605 - val_loss
       15.7241 - val_mean_absolute_error: 2
      5084
1084 Epoch 476/1000
1085
     - 0s - loss: 1.2904 -
     mean_absolute_error: 0.7935 - val_loss
       18.1270 - val_mean_absolute_error: 2
      6640
1086 Epoch 477/1000
     - 0s - loss: 1.2923 -
1087
     mean_absolute_error: 0.8078 - val_loss
       14.7980 - val_mean_absolute_error: 2
      4139
1088 Epoch 478/1000
     - 0s - loss: 1.3018 -
1089 l
     mean_absolute_error: 0.7911 - val_loss
       14.7748 - val_mean_absolute_error: 2
      4608
1090 Epoch 479/1000
     <u>- 0s - loss: 1.3902</u>
1091
```

```
1091 mean_absolute_error: 0.8064 - val_loss
       15.1741 - val_mean_absolute_error: 2
      3935
1092 Epoch 480/1000
     - 0s - loss: 1.2538 -
1093
     mean_absolute_error: 0.8035 - val_loss
       17.8014 - val_mean_absolute_error: 2
     4768
1094
1095 Epoch 00480: val_mean_absolute_error
     did not improve from 2.27144
1096 Epoch 481/1000
1097 - 0s - loss: 1.3405 -
     mean_absolute_error: 0.8052 - val_loss
       15.9345 - val_mean_absolute_error: 2
      3997
1098 Epoch 482/1000
1099 - 0s - loss: 1.4113 -
     mean_absolute_error: 0.8256 - val_loss
       17.2834 - val_mean_absolute_error:
     5154
1100 Epoch 483/1000
1101 - 0s - loss: 1.2252 -
     mean_absolute_error: 0.7798 - val_loss
```

```
15.3407 - val_mean_absolute_error: 2
1101
      4102
1102 Epoch 484/1000
     - 0s - loss: 1.3166 -
1103
     mean_absolute_error: 0.8216 - val_loss
       14.3019 - val_mean_absolute_error: 2
      3097
1104 Epoch 485/1000
1105
     - 0s - loss: 1.1871
     mean_absolute_error: 0.7702 - val_loss
       15.1237 - val_mean_absolute_error: 2
      4963
1106 Epoch 486/1000
     - 0s - loss: 1.1865 -
1107
     mean_absolute_error: 0.7687 - val_loss
      16.9390 - val_mean_absolute_error: 2
     5814
1108 Epoch 487/1000
1109 - 0s - loss: 1.3128 -
     mean_absolute_error: 0.7788 - val_loss
       17.5866 - val_mean_absolute_error: 2
     7433
1110 Epoch 488/1000
1111 - 0s - loss: 1.2545
```

```
1111 mean_absolute_error: 0.8029 - val_loss
       15.3829 - val_mean_absolute_error: 2
      4257
1112 Epoch 489/1000
1113 - 0s - loss: 1.4075 -
     mean_absolute_error: 0.8124 - val_loss
       14.5391 - val_mean_absolute_error: 2
      3596
1114 Epoch 490/1000
1115 - 0s - loss: 1.1715 -
     mean_absolute_error: 0.7612 - val_loss
       15.8992 - val_mean_absolute_error: 2
     7858
1116
1117 Epoch 00490: val_mean_absolute_error
     did not improve from 2.27144
1118 Epoch 491/1000
1119 - 0s - loss: 1.3641 -
     mean_absolute_error: 0.8018 - val_loss
       15.1897 - val_mean_absolute_error: 2
     6948
1120 Epoch 492/1000
1121 - 0s - loss: 1.2366 -
     mean_absolute_error: 0.7900 - val_l<u>oss</u>
```

```
15.6026 - val_mean_absolute_error: 2
1121
      5307
1122 Epoch 493/1000
     - 0s - loss: 1.2639 -
1123
     mean_absolute_error: 0.8180 - val_loss
       15.6703 - val_mean_absolute_error: 2
      3861
1124 Epoch 494/1000
1125
     - 0s - loss: 1.1283 -
     mean_absolute_error: 0.7407 - val_loss
       16.3794 - val_mean_absolute_error: 2
      6316
1126 Epoch 495/1000
     - 0s - loss: 1.3660 -
1127 I
     mean_absolute_error: 0.8304 - val_loss
       15.4620 - val_mean_absolute_error: 2
      4484
1128 Epoch 496/1000
1129 - 0s - loss: 1.1821
     mean_absolute_error: 0.7372 - val_loss
       16.5759 - val_mean_absolute_error: 2
      4488
1130 Epoch 497/1000
1131 - 0s - loss: 1.2729
```

```
1131 mean_absolute_error: 0.7730 - val_loss
       16.3998 - val_mean_absolute_error: 2
      6983
1132 Epoch 498/1000
1133 - 0s - loss: 1.2166 -
     mean_absolute_error: 0.7594 - val_loss
       15.6169 - val_mean_absolute_error: 2
     4835
1134 Epoch 499/1000
1135 - 0s - loss: 1.2756 -
     mean_absolute_error: 0.8033 - val_loss
       14.6319 - val_mean_absolute_error: 2
      4218
1136 Epoch 500/1000
1137 - 0s - loss: 1.1749 -
     mean_absolute_error: 0.7670 - val_loss
      14.8904 - val_mean_absolute_error: 2
     4538
1138
1139 Epoch 00500: val_mean_absolute_error
     did not improve from 2.27144
1140 Epoch 501/1000
1141 - 0s - loss: 1.1487 -
     mean_absolute_error: 0.7480 - val_loss
```

```
16.6566 - val_mean_absolute_error:
1141
     9768
1142 Epoch 502/1000
     - 0s - loss: 1.2880 -
1143
     mean_absolute_error: 0.8142 - val_loss
       16.0898 - val_mean_absolute_error: 2
      5141
1144 Epoch 503/1000
1145
     - 0s - loss: 1.2656 -
     mean_absolute_error: 0.7602 - val_l<u>oss</u>
       15.3520 - val_mean_absolute_error: 2
      3657
1146 Epoch 504/1000
     - 0s - loss: 1.0644 -
1147
     mean_absolute_error: 0.7268 - val_loss
      19.3094 - val_mean_absolute_error: 2
     . 9653
1148 Epoch 505/1000
1149 - 0s - loss: 1.3898
     mean_absolute_error: 0.8284 - val_loss
       17.4024 - val_mean_absolute_error: 2
      6903
1150 Epoch 506/1000
     - 0s - loss: 1.2114
1151 l
```

```
1151 mean_absolute_error: 0.7498 - val_loss
       15.5154 - val_mean_absolute_error: 2
      6234
1152 Epoch 507/1000
1153 - Os - Loss: 1.1887 -
     mean_absolute_error: 0.7807 - val_loss
       18.5024 - val_mean_absolute_error: 2
     6155
1154 Epoch 508/1000
1155 - 0s - loss: 1.2928 -
     mean_absolute_error: 0.7954 - val_loss
       15.0368 - val_mean_absolute_error: 2
     5116
1156 Epoch 509/1000
1157 - 0s - loss: 1.1460 -
     mean_absolute_error: 0.7561 - val_loss
       18.2837 - val_mean_absolute_error: 2
     6992
1158 Epoch 510/1000
1159 - 0s - loss: 1.2676 -
     mean_absolute_error: 0.8098 - val_loss
      16.7251 - val_mean_absolute_error:
     . 6921
1160
```

```
1161 Epoch 00510: val_mean_absolute_error
     did not improve from 2.27144
1162 Epoch 511/1000
1163 - 0s - loss: 1.2281 -
     mean_absolute_error: 0.7592 - val_loss
       17.0036 - val_mean_absolute_error: 2
     5160
1164 Epoch 512/1000
     - 0s - loss: 1.1562 -
1165
     mean_absolute_error: 0.7344 - val_loss
       15.9727 - val_mean_absolute_error: 2
      3987
1166 Epoch 513/1000
     - 0s - loss: 1.2073 -
1167
     mean_absolute_error: 0.7599 - val_loss
       15.9019 - val_mean_absolute_error: 2
     . 5263
1168 Epoch 514/1000
1169 - 0s - loss: 1.2950 -
     mean_absolute_error: 0.8000 - val_loss
       15.0445 - val_mean_absolute_error: 2
      4886
1170 Epoch 515/1000
1171 - 0s - loss: 1.1694
```

```
1171 mean_absolute_error: 0.7363 - val_loss
       15.3402 - val_mean_absolute_error: 2
      5100
1172 Epoch 516/1000
1173 - 0s - loss: 1.1633 -
     mean_absolute_error: 0.7577 - val_loss
       17.8315 - val_mean_absolute_error: 2
     5041
1174 Epoch 517/1000
1175 - 0s - loss: 1.1697 -
     mean_absolute_error: 0.7646 - val_loss
       16.1533 - val_mean_absolute_error: 2
      4476
1176 Epoch 518/1000
1177 - 0s - loss: 1.1830 -
     mean_absolute_error: 0.7541 - val_loss
     : 15.0255 - val_mean_absolute_error: 2
     5156
1178 Epoch 519/1000
1179 - Os - Loss: 1.1983 -
     mean_absolute_error: 0.7815 - val_loss
       15.9906 - val_mean_absolute_error:
      4432
1180 Epoch 520/1000
```

```
- 0s - loss: 1.2718 -
1181
     mean_absolute_error: 0.8043 - val_loss
       14.7915 - val_mean_absolute_error: 2
     4652
1182
1183 Epoch 00520: val_mean_absolute_error
     did not improve from 2.27144
1184 Epoch 521/1000
     - 0s - loss: 1.2108 -
1185
     mean_absolute_error: 0.7876 - val_loss
       15.4983 - val_mean_absolute_error: 2
      4320
1186 Epoch 522/1000
     - 0s - loss: 1.1044 -
1187
     mean_absolute_error: 0.7519 - val_loss
       17.1006 - val_mean_absolute_error: 2
     . 7343
1188 Epoch 523/1000
1189 - 0s - loss: 1.2177 -
     mean_absolute_error: 0.7475 - val_loss
       17.2509 - val_mean_absolute_error: 2
      5044
1190 Epoch 524/1000
     - 0s - loss: 1.1234
1191
```

```
1191 mean_absolute_error: 0.7708 - val_loss
       14.8884 - val_mean_absolute_error: 2
      5010
1192 Epoch 525/1000
1193 - 0s - loss: 1.2749 -
     mean_absolute_error: 0.8040 - val_loss
       15.9160 - val_mean_absolute_error: 2
     4046
1194 Epoch 526/1000
1195 - Os - Loss: 1.1239 -
     mean_absolute_error: 0.7571 - val_loss
       15.3028 - val_mean_absolute_error: 2
     5386
1196 Epoch 527/1000
1197 - 0s - loss: 1.0921
     mean_absolute_error: 0.7485 - val_loss
      14.9988 - val_mean_absolute_error:
     4356
1198 Epoch 528/1000
1199 - 0s - loss: 1.0597 -
     mean_absolute_error: 0.7385 - val_loss
       15.9019 - val_mean_absolute_error:
      4332
1200 Epoch 529/1000
```

```
- 0s - loss: 1.1339 -
1201
     mean_absolute_error: 0.7779 - val_loss
       14.9379 - val_mean_absolute_error: 2
      4440
1202 Epoch 530/1000
     - 0s - loss: 1.1218 -
1203
     mean_absolute_error: 0.7539 - val_loss
       16.3887 - val_mean_absolute_error: 2
     . 5312
1204
1205 Epoch 00530: val_mean_absolute_error
     did not improve from 2.27144
1206 Epoch 531/1000
     - 0s - loss: 1.2614 -
1207 I
     mean_absolute_error: 0.8057 - val_loss
       15.5892 - val_mean_absolute_error: 2
     . 7606
1208 Epoch 532/1000
1209 - 0s - loss: 1.2189
     mean_absolute_error: 0.7653 - val_loss
       16.6334 - val_mean_absolute_error: 2
      6112
1210 Epoch 533/1000
1211 - 0s - loss: 1.0554
```

```
1211 mean_absolute_error: 0.7047 - val_loss
       15.6724 - val_mean_absolute_error: 2
      6273
1212 Epoch 534/1000
1213 - 0s - loss: 1.2589 -
     mean_absolute_error: 0.7915 - val_loss
       14.0414 - val_mean_absolute_error: 2
      3938
1214 Epoch 535/1000
1215 - 0s - loss: 1.0898
     mean_absolute_error: 0.7374 - val_loss
       15.8243 - val_mean_absolute_error: 2
     5647
1216 Epoch 536/1000
1217 - 0s - loss: 1.1871
     mean_absolute_error: 0.8156 - val_loss
      15.7048 - val_mean_absolute_error: 2
     4593
1218 Epoch 537/1000
1219 - 0s - loss: 1.0703 -
     mean_absolute_error: 0.7245 - val_loss
       15.1707 - val_mean_absolute_error:
      5365
1220 Epoch 538/1000
```

```
- 0s - loss: 1.1292 -
1221
     mean_absolute_error: 0.7625 - val_loss
       16.6963 - val_mean_absolute_error: 2
      5301
1222 Epoch 539/1000
     - 0s - loss: 1.1918 -
1223
     mean_absolute_error: 0.7784 - val_loss
       15.3670 - val_mean_absolute_error: 2
     4169
1224 Epoch 540/1000
1225 - 0s - loss: 1.0425 -
     mean_absolute_error: 0.7137 - val_loss
       16.2931 - val_mean_absolute_error: 2
     . 5223
1226
1227 Epoch 00540: val_mean_absolute_error
     did not improve from 2.27144
1228 Epoch 541/1000
1229 - 0s - loss: 1.1381
     mean_absolute_error: 0.7178 - val_loss
       15.6596 - val_mean_absolute_error: 2
      5139
1230 Epoch 542/1000
1231 - 0s - Loss: 1.1784
```

```
1231 mean_absolute_error: 0.7558 - val_loss
       16.1194 - val_mean_absolute_error: 2
     7375
1232 Epoch 543/1000
1233 - 0s - loss: 1.1091 -
     mean_absolute_error: 0.7510 - val_loss
       15.3199 - val_mean_absolute_error: 2
     5189
1234 Epoch 544/1000
1235 - 0s - loss: 1.1573 -
     mean_absolute_error: 0.7894 - val_loss
       16.7865 - val_mean_absolute_error: 2
     . 7187
1236 Epoch 545/1000
1237 - 0s - loss: 1.1455
     mean_absolute_error: 0.7296 - val_loss
     : 17.8621 - val_mean_absolute_error: 2
     . 5807
1238 Epoch 546/1000
1239 - 0s - loss: 1.0424 -
     mean_absolute_error: 0.7269 - val_loss
       16.0720 - val_mean_absolute_error:
      6708
1240 Epoch 547/1000
```

```
- 0s - loss: 1.1234 -
1241
     mean_absolute_error: 0.7701 - val_loss
       15.1684 - val_mean_absolute_error: 2
      4716
1242 Epoch 548/1000
     - 0s - loss: 1.2164 -
1243
     mean_absolute_error: 0.7678 - val_loss
       16.7780 - val_mean_absolute_error:
      5511
1244 Epoch 549/1000
1245 - 0s - loss: 0.9798 -
     mean_absolute_error: 0.6896 - val_loss
       14.9074 - val_mean_absolute_error: 2
      4387
1246 Epoch 550/1000
     - 0s - loss: 1.1400 -
1247
     mean_absolute_error: 0.7146 - val_loss
       16.2802 - val_mean_absolute_error: 2
     . 5250
1248
1249 Epoch 00550: val_mean_absolute_error
     did not improve from 2.27144
1250 Epoch 551/1000
1251 - 0s - loss: 1.1057
```

```
1251 mean_absolute_error: 0.7505 - val_loss
       16.9267 - val_mean_absolute_error: 2
     7439
1252 Epoch 552/1000
1253 - 0s - loss: 0.9975 -
     mean_absolute_error: 0.7018 - val_loss
       15.6486 - val_mean_absolute_error: 2
     4645
1254 Epoch 553/1000
1255 - 0s - loss: 1.1113 -
     mean_absolute_error: 0.7301 - val_loss
       17.3271 - val_mean_absolute_error: 2
     . 7054
1256 Epoch 554/1000
1257 - 0s - loss: 1.1141
     mean_absolute_error: 0.7679 - val_loss
       16.1780 - val_mean_absolute_error: 2
      4992
1258 Epoch 555/1000
1259 - 0s - loss: 1.0264 -
     mean_absolute_error: 0.6965 - val_loss
       15.1519 - val_mean_absolute_error:
      4183
1260 Epoch 556/1000
```

```
- 0s - loss: 1.1266 -
1261
     mean_absolute_error: 0.7464 - val_loss
       19.0380 - val_mean_absolute_error: 2
      7500
1262 Epoch 557/1000
     - 0s - loss: 1.0362 -
1263
     mean_absolute_error: 0.7006 - val_loss
       14.6093 - val_mean_absolute_error: 2
      6071
1264 Epoch 558/1000
1265 - 0s - loss: 1.1830 -
     mean_absolute_error: 0.7850 - val_loss
       16.2723 - val_mean_absolute_error: 2
      4304
1266 Epoch 559/1000
     - 0s - loss: 0.9651 -
1267 I
     mean_absolute_error: 0.6724 - val_loss
       18.1972 - val_mean_absolute_error: 2
      6403
1268 Epoch 560/1000
     - 0s - loss: 1.0348 -
1269
     mean_absolute_error: 0.6941 - val_loss
       17.6269 - val_mean_absolute_error: 2
     6630
```

```
1270
1271 Epoch 00560: val_mean_absolute_error
     did not improve from 2.27144
1272 Epoch 561/1000
1273 - 0s - loss: 1.2047 -
     mean_absolute_error: 0.7561 - val_loss
       16.9649 - val_mean_absolute_error: 2
      5499
1274 Epoch 562/1000
1275 - 0s - loss: 1.0453
     mean_absolute_error: 0.7245 - val_loss
       17.0963 - val_mean_absolute_error: 2
      4646
1276 Epoch 563/1000
1277 - 0s - loss: 1.0859 -
     mean_absolute_error: 0.6903 - val_loss
       15.6119 - val_mean_absolute_error:
      4881
1278 Epoch 564/1000
1279 - 0s - loss: 1.0070 -
     mean_absolute_error: 0.6836 - val_loss
       16.1026 - val_mean_absolute_error:
1280 Epoch 565/1000
```

```
- 0s - loss: 0.9683 -
1281
     mean_absolute_error: 0.6965 - val_loss
       15.8200 - val_mean_absolute_error: 2
      4561
1282 Epoch 566/1000
     - 0s - loss: 1.2246 -
1283
     mean_absolute_error: 0.7796 - val_loss
       15.7111 - val_mean_absolute_error:
      6740
1284 Epoch 567/1000
1285 - 0s - loss: 0.9919 -
     mean_absolute_error: 0.6878 - val_loss
       16.4845 - val_mean_absolute_error:
      6521
1286 Epoch 568/1000
     - 0s - Loss: 1.0955 -
1287
     mean_absolute_error: 0.7432 - val_loss
       15.5066 - val_mean_absolute_error: 2
      5411
1288 Epoch 569/1000
     - 0s - loss: 1.0332 -
1289
     mean_absolute_error: 0.7260 - val_loss
     : 15.2196 - val_mean_absolute_error: 2
     6053
```

```
- 0s - loss: 0.9788 -
1301
     mean_absolute_error: 0.6753 - val_loss
       16.9932 - val_mean_absolute_error: 2
      5300
1302 Epoch 575/1000
     - 0s - loss: 1.0090 -
1303
     mean_absolute_error: 0.7249 - val_loss
       15.1640 - val_mean_absolute_error: 2
      5428
1304 Epoch 576/1000
1305 - 0s - loss: 1.0347 -
     mean_absolute_error: 0.7267 - val_loss
       15.5803 - val_mean_absolute_error:
     4762
1306 Epoch 577/1000
     - 0s - loss: 1.0363 -
1307
     mean_absolute_error: 0.7595 - val_loss
       15.9580 - val_mean_absolute_error: 2
      4132
1308 Epoch 578/1000
     - 0s - loss: 0.9806 -
1309
     mean_absolute_error: 0.6760 - val_loss
     : 16.4535 - val_mean_absolute_error: 2
     5605
```

1319 - Os - Loss: 1.1049 - mean_absolute_error: 0.7615 - val_loss : 14.9483 - val_mean_absolute_error: 2 .5573

1320 Epoch 583/1000

```
- 0s - loss: 0.9383 -
1321
     mean_absolute_error: 0.6648 - val_loss
       15.1002 - val_mean_absolute_error: 2
      3735
1322 Epoch 584/1000
     - 0s - loss: 0.9157 -
1323
     mean_absolute_error: 0.6852 - val_loss
       16.4911 - val_mean_absolute_error: 2
      5357
1324 Epoch 585/1000
1325 - Os - Loss: 1.1339 -
     mean_absolute_error: 0.7444 - val_loss
       15.9413 - val_mean_absolute_error: 2
     5377
1326 Epoch 586/1000
     - 0s - Loss: 0.8998 -
1327
     mean_absolute_error: 0.6597 - val_loss
       14.9399 - val_mean_absolute_error: 2
      5652
1328 Epoch 587/1000
     - 0s - loss: 1.0428 -
1329
     mean_absolute_error: 0.6981 - val_loss
     : 16.9034 - val_mean_absolute_error: 2
     5155
```

1340 Epoch 592/1000

```
- 0s - loss: 0.9939 -
1341
     mean_absolute_error: 0.6710 - val_loss
       21.1370 - val_mean_absolute_error: 3
      0847
1342 Epoch 593/1000
     - 0s - loss: 1.0172 -
1343
     mean_absolute_error: 0.7072 - val_loss
       16.1649 - val_mean_absolute_error:
      5862
1344 Epoch 594/1000
1345 - 0s - loss: 0.9567 -
     mean_absolute_error: 0.6829 - val_loss
       16.0203 - val_mean_absolute_error:
     5078
1346 Epoch 595/1000
     - 0s - loss: 1.0707 -
1347
     mean_absolute_error: 0.7441 - val_loss
       16.1389 - val_mean_absolute_error: 2
      4559
1348 Epoch 596/1000
     - 0s - loss: 1.0089 -
1349
     mean_absolute_error: 0.6873 - val_loss
       20.9247 - val_mean_absolute_error: 3
     0186
```

did not improve from 2.27144

1360 Epoch 601/1000

```
- 0s - loss: 0.9200 -
1361
     mean_absolute_error: 0.6839 - val_loss
       22.2030 - val_mean_absolute_error: 2
      9944
1362 Epoch 602/1000
     - 0s - loss: 1.1081
1363
     mean_absolute_error: 0.7141 - val_loss
       16.9667 - val_mean_absolute_error:
      5265
1364 Epoch 603/1000
1365 - 0s - loss: 0.9795 -
     mean_absolute_error: 0.7036 - val_loss
       15.2898 - val_mean_absolute_error:
      4535
1366 Epoch 604/1000
     - 0s - Loss: 0.9751
1367
     mean_absolute_error: 0.6894 - val_loss
       16.1827 - val_mean_absolute_error: 2
      5553
1368 Epoch 605/1000
     - 0s - loss: 0.8893 -
1369
     mean_absolute_error: 0.6687 - val_loss
      16.8937 - val_mean_absolute_error: 2
     5484
```

1378 Epoch 610/1000

1379 - Os - Loss: 0.8826 - mean_absolute_error: 0.6391 - val_loss : 16.9552 - val_mean_absolute_error: 2

```
File - boston01
      . 5008
1379
1380
1381 Epoch 00610: val_mean_absolute_error
     did not improve from 2.27144
1382 Epoch 611/1000
      - 0s - loss: 0.9786 -
1383
     mean_absolute_error: 0.6955 - val_loss
       15.3866 - val_mean_absolute_error:
      4482
1384 Epoch 612/1000
1385 - 0s - loss: 0.9813 -
     mean_absolute_error: 0.6777 - val_loss
       16.2188 - val_mean_absolute_error:
      4415
1386 Epoch 613/1000
      - 0s - loss: 0.9961 -
1387
     mean_absolute_error: 0.6887 - val_loss
       15.5867 - val_mean_absolute_error: 2
      5711
1388 Epoch 614/1000
      - 0s - loss: 0.9313 -
1389
     mean_absolute_error: 0.6958 - val_loss
       18.4313 - val_mean_absolute_error: 2
      7326
```

1398 Epoch 619/1000

1399 - 0s - loss: 0.8666 - mean_absolute_error: 0.6683 - val_loss : 16.0782 - val_mean_absolute_error: 2

```
File - boston01
1399 . 7046
1400 Epoch 620/1000
1401 - 0s - loss: 1.0137
     mean_absolute_error: 0.7221 - val_loss
       15.7593 - val_mean_absolute_error: 2
      4761
1402
1403 Epoch 00620: val_mean_absolute_error
     did not improve from 2.27144
1404 Epoch 621/1000
1405 - 0s - loss: 0.8670 -
     mean_absolute_error: 0.6641 - val_loss
       18.2718 - val_mean_absolute_error: 2
      7499
1406 Epoch 622/1000
      - 0s - loss: 0.9079 -
1407 l
     mean_absolute_error: 0.6594 - val_loss
       17.5362 - val_mean_absolute_error: 2
      5788
1408 Epoch 623/1000
1409 - 0s - loss: 1.0001 -
     mean_absolute_error: 0.6979 - val_loss
     : 16.2867 - val_mean_absolute_error: 2
      5412
```

```
1410 Epoch 624/1000
```

- 0s - loss: 1.0017 -1411

mean_absolute_error: 0.7188 - val_loss

17.1415 - val_mean_absolute_error: 2

5078

1412 Epoch 625/1000

- 0s - loss: 0.8538 -1413

mean_absolute_error: 0.6270 - val_loss

17.0127 - val_mean_absolute_error: 2

5035

1414 Epoch 626/1000

- 0s - loss: 0.8994 1415

mean_absolute_error: 0.6787 - val_loss

16.4467 - val_mean_absolute_error: 2

4609

1416 Epoch 627/1000

1417 - Os - Loss: 0.8786 -

mean_absolute_error: 0.7002 - val_loss

19.6858 - val_mean_absolute_error: 2

7688

1418 Epoch 628/1000

1419 - 0s - loss: 0.8972

mean_absolute_error: 0.6784 - val_loss

16.5174 - val_mean_absolute_error: 2

```
File - boston01
1419 . 5524
1420 Epoch 629/1000
1421 - 0s - loss: 1.0134
     mean_absolute_error: 0.7088 - val_loss
       16.1320 - val_mean_absolute_error: 2
      5470
1422 Epoch 630/1000
1423 - 0s - loss: 0.9450 -
     mean_absolute_error: 0.6835 - val_loss
      17.5445 - val_mean_absolute_error:
      . 5373
1424
1425 Epoch 00630: val_mean_absolute_error
     did not improve from 2.27144
1426 Epoch 631/1000
1427 - 0s - loss: 0.9843 -
     mean_absolute_error: 0.7099 - val_loss
       16.1477 - val_mean_absolute_error: 2
      4738
1428 Epoch 632/1000
      - 0s - loss: 0.8973 -
1429
     mean_absolute_error: 0.6782 - val_loss
     : 17.0315 - val_mean_absolute_error: 2
      5509
```

1438 Epoch 637/1000

1439 - 0s - loss: 0.8833 - mean_absolute_error: 0.6585 - val_loss : 17.0838 - val_mean_absolute_error: 2

```
File - boston01
     . 5643
1439
1440 Epoch 638/1000
      - 0s - loss: 0.9085
1441
     mean_absolute_error: 0.6709 - val_loss
       18.6386 - val_mean_absolute_error: 2
      . 7042
1442 Epoch 639/1000
1443 - 0s - loss: 0.8645 -
     mean_absolute_error: 0.6501 - val_loss
       16.5265 - val_mean_absolute_error:
      5328
1444 Epoch 640/1000
      - 0s - loss: 0.6945 -
1445 l
     mean_absolute_error: 0.5967 - val_loss
       18.5486 - val_mean_absolute_error:
      . 7611
1446
1447 Epoch 00640: val_mean_absolute_error
     did not improve from 2.27144
1448 Epoch 641/1000
      - 0s - loss: 1.0113 -
1449
     mean_absolute_error: 0.7118 - val_loss
       17.2795 - val_mean_absolute_error: 2
      5028
```

1458 Epoch 646/1000

1459 - 0s - loss: 0.8526 - mean_absolute_error: 0.6652 - val_loss : 16.0770 - val_mean_absolute_error: 2

```
File - boston01
     . 5876
1459
1460 Epoch 647/1000
      - 0s - loss: 0.9286
1461
     mean_absolute_error: 0.6780 - val_loss
       16.2150 - val_mean_absolute_error: 2
      5359
1462 Epoch 648/1000
1463 - 0s - Loss: 0.9113
     mean_absolute_error: 0.6828 - val_loss
       15.7953 - val_mean_absolute_error:
      5173
1464 Epoch 649/1000
      - 0s - loss: 0.8162 -
1465 l
     mean_absolute_error: 0.6372 - val_loss
       16.6788 - val_mean_absolute_error:
      6208
1466 Epoch 650/1000
1467 - 0s - loss: 0.8813 -
     mean_absolute_error: 0.6559 - val_loss
       16.2586 - val_mean_absolute_error:
      4828
1468
     Epoch 00650: val_mean_absolute_error
1469
     did not improve from 2.27144
```

1478 Epoch 655/1000

1479 - 0s - loss: 0.9201 - mean_absolute_error: 0.6903 - val_loss : 18.4767 - val_mean_absolute_error: 2

```
File - boston01
      . 6099
1479
1480 Epoch 656/1000
      - 0s - loss: 0.9074
1481
     mean_absolute_error: 0.6663 - val_loss
       16.1474 - val_mean_absolute_error: 2
      5174
1482 Epoch 657/1000
1483 - 0s - Loss: 0.8767
     mean_absolute_error: 0.6691 - val_loss
       15.6229 - val_mean_absolute_error:
      4484
1484 Epoch 658/1000
      - 0s - loss: 0.7781
1485
     mean_absolute_error: 0.6287 - val_loss
       17.6916 - val_mean_absolute_error:
      6181
1486 Epoch 659/1000
1487 - 0s - loss: 0.8664 -
     mean_absolute_error: 0.6369 - val_loss
       17.1867 - val_mean_absolute_error:
      5638
1488 Epoch 660/1000
1489 - 0s - loss: 0.9169 -
     mean_absolute_error: 0.6840 - val_loss
```

```
16.4790 - val_mean_absolute_error:
1489
     6204
1490
    Epoch 00660: val_mean_absolute_error
1491
     did not improve from 2.27144
1492 Epoch 661/1000
     - 0s - loss: 0.8838
1493
     mean_absolute_error: 0.6512 - val_loss
       16.5279 - val_mean_absolute_error: 2
     . 7093
1494 Epoch 662/1000
     - 0s - loss: 0.8817 -
1495
     mean_absolute_error: 0.6752 - val_loss
       18.9624 - val_mean_absolute_error: 2
      6964
1496 Epoch 663/1000
     - 0s - loss: 0.8638 -
1497
     mean_absolute_error: 0.6453 - val_loss
       17.0433 - val_mean_absolute_error: 2
     6610
1498 Epoch 664/1000
1499 - 0s - loss: 0.9534
     mean_absolute_error: 0.6969 - val_loss
      16.7735 - val_mean_absolute_error: 2
```

```
File - boston01
      . 5925
1499
1500 Epoch 665/1000
     - 0s - loss: 0.8652
1501
     mean_absolute_error: 0.6589 - val_loss
       17.2316 - val_mean_absolute_error: 2
      6173
1502 Epoch 666/1000
1503 - 0s - loss: 0.9629
     mean_absolute_error: 0.6500 - val_loss
       17.1109 - val_mean_absolute_error:
      5812
1504 Epoch 667/1000
1505 - 0s - loss: 0.8793
     mean_absolute_error: 0.6648 - val_loss
       16.3868 - val_mean_absolute_error:
      4700
1506 Epoch 668/1000
1507 - 0s - loss: 0.9221
     mean_absolute_error: 0.6643 - val_loss
       16.4932 - val_mean_absolute_error:
      5366
1508 Epoch 669/1000
1509 - 0s - loss: 0.8590 -
     mean_absolute_error: 0.6172 - val_loss
```

```
18.1640 - val_mean_absolute_error: 2
1509 l
      6386
1510 Epoch 670/1000
     - 0s - loss: 0.9133 -
1511
     mean_absolute_error: 0.6795 - val_loss
       17.4686 - val_mean_absolute_error: 2
     . 5579
1512
1513 Epoch 00670: val_mean_absolute_error
     did not improve from 2.27144
1514 Epoch 671/1000
1515 - 0s - loss: 0.8755 -
     mean_absolute_error: 0.6333 - val_loss
       17.9309 - val_mean_absolute_error: 2
      5620
1516 Epoch 672/1000
1517 - 0s - loss: 0.8016 -
     mean_absolute_error: 0.6320 - val_loss
       17.7888 - val_mean_absolute_error: 2
      6876
1518 Epoch 673/1000
1519 - Os - Loss: 0.7232
     mean_absolute_error: 0.6294 - val_loss
      17.4269 - val_mean_absolute_error: 2
```

```
File - boston01
      . 6322
1519
1520 Epoch 674/1000
1521 - 0s - loss: 0.8872
     mean_absolute_error: 0.6496 - val_loss
       17.9242 - val_mean_absolute_error: 2
      6734
1522 Epoch 675/1000
1523 - 0s - Loss: 0.8593
     mean_absolute_error: 0.6545 - val_loss
       17.4430 - val_mean_absolute_error:
      5227
1524 Epoch 676/1000
1525
      - 0s - loss: 0.8928
     mean_absolute_error: 0.6658 - val_loss
       17.2480 - val_mean_absolute_error:
      6157
1526 Epoch 677/1000
1527 - 0s - loss: 0.7884 -
     mean_absolute_error: 0.6394 - val_loss
       17.0054 - val_mean_absolute_error:
      5349
1528 Epoch 678/1000
1529 - 0s - loss: 0.8048 -
     mean_absolute_error: 0.6380 - val_l<u>oss</u>
```

```
17.8078 - val_mean_absolute_error: 2
1529
      6144
1530 Epoch 679/1000
     - 0s - loss: 0.7901 -
1531
     mean_absolute_error: 0.6098 - val_loss
      16.7390 - val_mean_absolute_error: 2
     5501
1532 Epoch 680/1000
1533
     - 0s - loss: 0.7663 -
     mean_absolute_error: 0.6384 - val_loss
       16.4030 - val_mean_absolute_error: 2
     4464
1534
1535 Epoch 00680: val_mean_absolute_error
     did not improve from 2.27144
1536 Epoch 681/1000
     - 0s - loss: 0.8978 -
1537 l
     mean_absolute_error: 0.6850 - val_loss
       17.1570 - val_mean_absolute_error: 2
      6099
1538 Epoch 682/1000
1539 - 0s - Loss: 0.7182
     mean_absolute_error: 0.6004 - val_loss
     16.6836 - val_mean_absolute_error: 2
```

```
File - boston01
1539 . 6081
1540 Epoch 683/1000
      - 0s - loss: 0.7297
1541
     mean_absolute_error: 0.6085 - val_loss
       16.8546 - val_mean_absolute_error: 2
      4913
1542 Epoch 684/1000
1543 - 0s - loss: 0.8805
     mean_absolute_error: 0.6590 - val_loss
       17.0574 - val_mean_absolute_error:
      5783
1544 Epoch 685/1000
1545
      - 0s - loss: 0.8028
     mean_absolute_error: 0.6043 - val_loss
       18.6762 - val_mean_absolute_error:
      6472
1546 Epoch 686/1000
1547 - 0s - loss: 0.8018 -
     mean_absolute_error: 0.5984 - val_loss
       18.7497 - val_mean_absolute_error:
      0414
1548 Epoch 687/1000
1549 - 0s - loss: 0.9078 -
     mean_absolute_error: 0.6769 - val_l<u>oss</u>
```

```
16.5108 - val_mean_absolute_error:
1549 I
      6617
1550 Epoch 688/1000
     - 0s - loss: 0.8667 -
1551
     mean_absolute_error: 0.6535 - val_loss
       17.9134 - val_mean_absolute_error: 2
      7029
1552 Epoch 689/1000
1553
     - 0s - loss: 0.7626 -
     mean_absolute_error: 0.6465 - val_loss
       16.7298 - val_mean_absolute_error: 2
      5831
1554 Epoch 690/1000
     - 0s - loss: 0.7509 -
1555
     mean_absolute_error: 0.6286 - val_loss
       18.9315 - val_mean_absolute_error: 2
     . 6777
1556
1557 Epoch 00690: val_mean_absolute_error
     did not improve from 2.27144
1558 Epoch 691/1000
1559 - 0s - Loss: 0.7595
     mean_absolute_error: 0.6224 - val_loss
      17.7943 - val_mean_absolute_error: 2
```

```
File - boston01
1559 . 6692
1560 Epoch 692/1000
1561 - 0s - Loss: 0.8737
     mean_absolute_error: 0.6852 - val_loss
       17.4679 - val_mean_absolute_error: 2
      5255
1562 Epoch 693/1000
1563 - 0s - loss: 0.8477
     mean_absolute_error: 0.6421 - val_loss
       17.5193 - val_mean_absolute_error:
      6866
1564 Epoch 694/1000
      - 0s - loss: 0.7712
1565 l
     mean_absolute_error: 0.6378 - val_loss
       17.1759 - val_mean_absolute_error:
      5974
1566 Epoch 695/1000
1567 - 0s - loss: 0.7573
     mean_absolute_error: 0.6074 - val_loss
       16.6686 - val_mean_absolute_error:
      6082
1568 Epoch 696/1000
1569 - 0s - loss: 0.7811 -
     mean_absolute_error: 0.6414 - val_loss
```

```
17.4350 - val_mean_absolute_error:
1569
     9341
1570 Epoch 697/1000
     - 0s - loss: 0.9812 -
1571
     mean_absolute_error: 0.7030 - val_loss
       17.4035 - val_mean_absolute_error: 2
      6249
1572 Epoch 698/1000
     - 0s - loss: 0.6189 -
1573
     mean_absolute_error: 0.5606 - val_loss
       17.1821 - val_mean_absolute_error: 2
      8058
1574 Epoch 699/1000
     - 0s - loss: 0.6712 -
1575
     mean_absolute_error: 0.5812 - val_loss
      19.0774 - val_mean_absolute_error: 2
      6885
1576 Epoch 700/1000
     - 0s - Loss: 0.9085
1577
     mean_absolute_error: 0.6580 - val_loss
       16.3998 - val_mean_absolute_error: 2
     . 5516
1578
    Epoch 00700: val_mean_absolute_error
1579
```

```
18.6678 - val_mean_absolute_error:
1589
      6956
1590 Epoch 706/1000
     - 0s - loss: 0.8224 -
1591
     mean_absolute_error: 0.6391 - val_loss
      16.8587 - val_mean_absolute_error: 2
      6200
1592 Epoch 707/1000
1593
     - 0s - loss: 0.7393
     mean_absolute_error: 0.6120 - val_loss
       15.8576 - val_mean_absolute_error: 2
      5421
1594 Epoch 708/1000
     - 0s - loss: 0.7757 -
1595
     mean_absolute_error: 0.6229 - val_loss
       18.2122 - val_mean_absolute_error: 2
     7240
1596 Epoch 709/1000
     - 0s - loss: 0.7117 -
1597
     mean_absolute_error: 0.5731 - val_loss
       15.5636 - val_mean_absolute_error: 2
      5446
1598 Epoch 710/1000
     - 0s - loss: 0.7261
1599
```

```
1599 mean_absolute_error: 0.6101 - val_loss
       16.8446 - val_mean_absolute_error: 2
     5144
1600
1601 Epoch 00710: val_mean_absolute_error
     did not improve from 2.27144
1602 Epoch 711/1000
1603 - 0s - loss: 1.0531
     mean_absolute_error: 0.7005 - val_loss
       17.5844 - val_mean_absolute_error:
      6294
1604 Epoch 712/1000
1605 - 0s - loss: 0.7688 -
     mean_absolute_error: 0.6302 - val_loss
       17.1261 - val_mean_absolute_error: 2
      4566
1606 Epoch 713/1000
1607 - 0s - loss: 0.7392 -
     mean_absolute_error: 0.6086 - val_loss
       16.9228 - val_mean_absolute_error:
      6352
1608 Epoch 714/1000
1609 - 0s - loss: 0.8181 -
     mean_absolute_error: 0.6310 - val_loss
```

```
17.2299 - val_mean_absolute_error:
1609
     6107
1610 Epoch 715/1000
     - 0s - loss: 0.7108 -
1611
     mean_absolute_error: 0.5989 - val_loss
       17.7318 - val_mean_absolute_error: 2
     5366
1612 Epoch 716/1000
1613
     - 0s - loss: 0.7416 -
     mean_absolute_error: 0.6168 - val_loss
       19.6693 - val_mean_absolute_error: 2
     8280
1614 Epoch 717/1000
     - 0s - loss: 0.9304 -
1615
     mean_absolute_error: 0.6757 - val_loss
      16.5108 - val_mean_absolute_error: 2
      5569
1616 Epoch 718/1000
     - 0s - loss: 0.8389
1617
     mean_absolute_error: 0.6329 - val_loss
       18.3674 - val_mean_absolute_error: 2
      6212
1618 Epoch 719/1000
1619 - 0s - loss: 0.6647 -
```

```
1619 mean_absolute_error: 0.5676 - val_loss
       18.6235 - val_mean_absolute_error: 2
      6613
1620 Epoch 720/1000
     - 0s - Loss: 0.6951
1621
     mean_absolute_error: 0.5676 - val_loss
       18.9381 - val_mean_absolute_error: 2
     8467
1622
1623 Epoch 00720: val_mean_absolute_error
     did not improve from 2.27144
1624 Epoch 721/1000
1625 - 0s - loss: 0.8122 -
     mean_absolute_error: 0.6296 - val_loss
       18.3186 - val_mean_absolute_error: 2
     6028
1626 Epoch 722/1000
1627 - Os - Loss: 0.7494 -
     mean_absolute_error: 0.5996 - val_loss
      16.8541 - val_mean_absolute_error:
     5186
1628 Epoch 723/1000
1629 - 0s - loss: 0.6972 -
     mean_absolute_error: 0.5989 - val_loss
```

```
16.9694 - val_mean_absolute_error:
1629
     5130
1630 Epoch 724/1000
     - 0s - loss: 0.7974 -
1631
     mean_absolute_error: 0.6354 - val_loss
       18.2419 - val_mean_absolute_error: 2
     7405
1632 Epoch 725/1000
1633
     - 0s - loss: 0.7472 -
     mean_absolute_error: 0.6117 - val_loss
       16.3438 - val_mean_absolute_error: 2
     6620
1634 Epoch 726/1000
     - 0s - loss: 0.8562 -
1635
     mean_absolute_error: 0.6758 - val_loss
       17.1545 - val_mean_absolute_error: 2
     6293
1636 Epoch 727/1000
     - 0s - loss: 0.7223
1637
     mean_absolute_error: 0.5743 - val_loss
       19.4523 - val_mean_absolute_error: 2
     7605
1638 Epoch 728/1000
1639 - 0s - loss: 0.7094
```

```
1639 mean_absolute_error: 0.6187 - val_loss
       17.1750 - val_mean_absolute_error: 2
      6337
1640 Epoch 729/1000
     - 0s - loss: 0.7873 -
1641
     mean_absolute_error: 0.6422 - val_loss
       17.6018 - val_mean_absolute_error: 2
      6759
1642 Epoch 730/1000
1643 - 0s - loss: 0.7277 -
     mean_absolute_error: 0.5919 - val_loss
       18.0690 - val_mean_absolute_error: 2
     6473
1644
1645 Epoch 00730: val_mean_absolute_error
     did not improve from 2.27144
1646 Epoch 731/1000
1647 - 0s - loss: 0.6474 -
     mean_absolute_error: 0.5873 - val_loss
       17.0064 - val_mean_absolute_error:
     5759
1648 Epoch 732/1000
1649 - 0s - loss: 0.8355 -
     mean_absolute_error: 0.6489 - val_loss
```

```
18.6150 - val_mean_absolute_error:
1649
     7340
1650 Epoch 733/1000
     - 0s - loss: 0.8194 -
1651
     mean_absolute_error: 0.6417 - val_loss
       16.9385 - val_mean_absolute_error: 2
     6268
1652 Epoch 734/1000
1653
     - 0s - loss: 0.6965 -
     mean_absolute_error: 0.5972 - val_loss
       17.8163 - val_mean_absolute_error: 2
     7852
1654 Epoch 735/1000
     - 0s - loss: 0.8001 -
1655
     mean_absolute_error: 0.6227 - val_loss
      17.9528 - val_mean_absolute_error: 2
     5908
1656 Epoch 736/1000
     - 0s - loss: 0.7784
1657
     mean_absolute_error: 0.6378 - val_loss
       16.2633 - val_mean_absolute_error: 2
      5309
1658 Epoch 737/1000
1659 - 0s - loss: 0.7827
```

```
1659 mean_absolute_error: 0.6370 - val_loss
       16.2917 - val_mean_absolute_error: 2
      5499
1660 Epoch 738/1000
     - 0s - loss: 0.8188 -
1661
     mean_absolute_error: 0.6588 - val_loss
       16.1290 - val_mean_absolute_error: 2
      5913
1662 Epoch 739/1000
1663 - 0s - loss: 0.7995 -
     mean_absolute_error: 0.6237 - val_loss
       17.3990 - val_mean_absolute_error: 2
     7331
1664 Epoch 740/1000
    - 0s - loss: 0.7897
1665
     mean_absolute_error: 0.6501 - val_loss
       20.3916 - val_mean_absolute_error:
     . 8002
1666
    Epoch 00740: val_mean_absolute_error
1667
     did not improve from 2.27144
1668 Epoch 741/1000
1669 - Os - Loss: 0.7439 -
     mean_absolute_error: 0.6115 - val_loss
```

```
17.3155 - val_mean_absolute_error:
1669
      5669
1670 Epoch 742/1000
     - 0s - loss: 0.6939 -
1671
     mean_absolute_error: 0.5928 - val_loss
       17.1319 - val_mean_absolute_error: 2
      6007
1672 Epoch 743/1000
     - 0s - loss: 0.7083 -
1673
     mean_absolute_error: 0.5999 - val_loss
       17.4257 - val_mean_absolute_error: 2
      6299
1674 Epoch 744/1000
     - 0s - loss: 0.8156 -
1675 l
     mean_absolute_error: 0.6476 - val_loss
       16.9408 - val_mean_absolute_error: 2
      6471
1676 Epoch 745/1000
     - 0s - loss: 0.8064
1677 l
     mean_absolute_error: 0.6406 - val_loss
       18.0975 - val_mean_absolute_error: 2
1678 Epoch 746/1000
1679 - 0s - Loss: 0.7272
```

```
1679 mean_absolute_error: 0.5971 - val_loss
       16.7850 - val_mean_absolute_error: 2
      6362
1680 Epoch 747/1000
     - 0s - loss: 0.7764 -
1681
     mean_absolute_error: 0.6301 - val_loss
       16.7757 - val_mean_absolute_error: 2
      6750
1682 Epoch 748/1000
1683 - 0s - Loss: 0.7491
     mean_absolute_error: 0.6118 - val_loss
       16.2903 - val_mean_absolute_error: 2
     6573
1684 Epoch 749/1000
    - 0s - loss: 0.7299
1685
     mean_absolute_error: 0.6189 - val_loss
       16.8824 - val_mean_absolute_error:
      5635
1686 Epoch 750/1000
     - 0s - loss: 0.7169 -
1687
     mean_absolute_error: 0.6193 - val_loss
       17.8555 - val_mean_absolute_error:
     . 6250
1688
```

```
1689 Epoch 00750: val_mean_absolute_error
    did not improve from 2.27144
1690 Epoch 751/1000
1691 - 0s - loss: 0.9575 -
    mean_absolute_error: 0.6758 - val_loss
      17.4426 - val_mean_absolute_error: 2
     6064
1692 Epoch 752/1000
1693
     - 0s - loss: 0.7031 -
    18.4329 - val_mean_absolute_error: 2
     6442
1694 Epoch 753/1000
     - 0s - loss: 0.7239 -
1695
    mean_absolute_error: 0.5601 - val_loss
      18.5972 - val_mean_absolute_error: 2
     . 7028
1696 Epoch 754/1000
     - 0s - loss: 0.7589
1697
    mean_absolute_error: 0.6723 - val_loss
      17.6675 - val_mean_absolute_error: 2
     5796
1698 Epoch 755/1000
1699 - 0s - loss: 0.8160 -
```

```
1699 mean_absolute_error: 0.6155 - val_loss
      18.1118 - val_mean_absolute_error: 2
     7181
1700 Epoch 756/1000
1701 - 0s - loss: 0.6158 -
    mean_absolute_error: 0.5615 - val_loss
      17.8072 - val_mean_absolute_error: 2
     6187
1702 Epoch 757/1000
1703 - 0s - loss: 0.7295 -
    mean_absolute_error: 0.6274 - val_loss
      17.8192 - val_mean_absolute_error: 2
     . 6217
1704 Epoch 758/1000
1705 - 0s - loss: 0.6903
    20.1838 - val_mean_absolute_error: 2
     8880
1706 Epoch 759/1000
1707 - 0s - loss: 0.7083 -
    mean_absolute_error: 0.6087 - val_loss
      17.0582 - val_mean_absolute_error:
     6112
1708 Epoch 760/1000
```

```
- 0s - loss: 0.7451 -
1709
     mean_absolute_error: 0.6115 - val_loss
       16.4079 - val_mean_absolute_error: 2
     7523
1710
    Epoch 00760: val_mean_absolute_error
1711
     did not improve from 2.27144
1712 Epoch 761/1000
     - 0s - loss: 0.7417 -
1713 l
     mean_absolute_error: 0.5896 - val_loss
       16.5733 - val_mean_absolute_error: 2
      6236
1714 Epoch 762/1000
     - 0s - loss: 0.7086 -
1715
     mean_absolute_error: 0.5901 - val_loss
       17.8493 - val_mean_absolute_error: 2
      6265
1716 Epoch 763/1000
1717 - 0s - loss: 0.9292 -
     mean_absolute_error: 0.7079 - val_loss
       15.5022 - val_mean_absolute_error: 2
      5667
1718 Epoch 764/1000
1719 - 0s - loss: 0.7277
```

```
1719 mean_absolute_error: 0.5985 - val_loss
       18.6326 - val_mean_absolute_error: 2
     6912
1720 Epoch 765/1000
1721 - 0s - loss: 0.7144 -
     mean_absolute_error: 0.6071 - val_loss
       16.8879 - val_mean_absolute_error: 2
     5764
1722 Epoch 766/1000
1723 - 0s - loss: 0.6613 -
     mean_absolute_error: 0.5591 - val_loss
       16.6653 - val_mean_absolute_error: 2
     6258
1724 Epoch 767/1000
1725 - 0s - loss: 0.6948
     mean_absolute_error: 0.6149 - val_loss
     16.7064 - val_mean_absolute_error: 2
     5653
1726 Epoch 768/1000
1727 - 0s - loss: 0.7462 -
     mean_absolute_error: 0.6122 - val_loss
       16.7036 - val_mean_absolute_error:
     6150
1728 Epoch 769/1000
```

```
- 0s - loss: 0.7490 -
1729
     mean_absolute_error: 0.5967 - val_loss
       17.2012 - val_mean_absolute_error: 2
      6451
1730 Epoch 770/1000
1731 - 0s - loss: 0.6771 -
     mean_absolute_error: 0.5697 - val_loss
       16.9905 - val_mean_absolute_error: 2
     7395
1732
1733 Epoch 00770: val_mean_absolute_error
     did not improve from 2.27144
1734 Epoch 771/1000
     - 0s - loss: 0.8158 -
1735
     mean_absolute_error: 0.6420 - val_loss
       17. 5893 - val_mean_absolute_error: 2
      5477
1736 Epoch 772/1000
     - 0s - loss: 0.7131
1737 |
     mean_absolute_error: 0.5839 - val_loss
       22.9193 - val_mean_absolute_error: 3
      0257
1738 Epoch 773/1000
1739 - 0s - loss: 0.7829 -
```

```
1739 mean_absolute_error: 0.6002 - val_loss
       16.6284 - val_mean_absolute_error: 2
      5746
1740 Epoch 774/1000
     - 0s - loss: 0.5890 -
1741 l
     mean_absolute_error: 0.5472 - val_loss
       19.5369 - val_mean_absolute_error: 2
     9356
1742 Epoch 775/1000
1743 - 0s - loss: 0.8018 -
     mean_absolute_error: 0.6333 - val_loss
      18.9765 - val_mean_absolute_error: 2
     7125
1744 Epoch 776/1000
1745 - 0s - loss: 0.6057
     mean_absolute_error: 0.5396 - val_loss
      17.4108 - val_mean_absolute_error:
     6144
1746 Epoch 777/1000
1747 - 0s - loss: 0.8453 -
     mean_absolute_error: 0.6665 - val_loss
       16.8912 - val_mean_absolute_error:
      6152
1748 Epoch 778/1000
```

```
- 0s - loss: 0.8163 -
1749
     mean_absolute_error: 0.6181 - val_loss
       19.0723 - val_mean_absolute_error:
      6615
1750 Epoch 779/1000
1751 - 0s - loss: 0.6996 -
     mean_absolute_error: 0.5819 - val_loss
       16.4822 - val_mean_absolute_error: 2
      6572
1752 Epoch 780/1000
1753 - 0s - loss: 0.7836 -
     mean_absolute_error: 0.6148 - val_loss
       17.0120 - val_mean_absolute_error:
     . 5811
1754
    Epoch 00780: val_mean_absolute_error
     did not improve from 2.27144
1756 Epoch 781/1000
1757 - 0s - loss: 0.7281
     mean_absolute_error: 0.6011 - val_loss
       17.8492 - val_mean_absolute_error: 2
     7189
1758 Epoch 782/1000
1759 - Os - Loss: 0.7470 -
```

```
1759 mean_absolute_error: 0.5841 - val_loss
      16.9607 - val_mean_absolute_error: 2
     6373
1760 Epoch 783/1000
     - 0s - loss: 0.5916 -
1761
    mean_absolute_error: 0.5330 - val_loss
      17.3220 - val_mean_absolute_error: 2
     5929
1762 Epoch 784/1000
1763 - 0s - Loss: 0.8891
    mean_absolute_error: 0.6590 - val_loss
      16.0670 - val_mean_absolute_error: 2
     5495
1764 Epoch 785/1000
1765 - 0s - loss: 0.6215
    mean_absolute_error: 0.5635 - val_loss
      17.9722 - val_mean_absolute_error:
     5425
1766 Epoch 786/1000
1767 - 0s - loss: 0.6921 -
    16.8388 - val_mean_absolute_error:
     6124
1768 Epoch 787/1000
```

```
- 0s - loss: 0.6485 -
1769
    mean_absolute_error: 0.5708 - val_loss
      17.7364 - val_mean_absolute_error: 2
     7392
1770 Epoch 788/1000
1771 - 0s - loss: 0.7143 -
    17.4663 - val_mean_absolute_error: 2
     7673
1772 Epoch 789/1000
1773 - Os - Loss: 0.8299 -
    mean_absolute_error: 0.6396 - val_loss
      18.4973 - val_mean_absolute_error:
     6561
1774 Epoch 790/1000
     - 0s - loss: 0.7249 -
1775
    mean_absolute_error: 0.6064 - val_loss
      16.7915 - val_mean_absolute_error: 2
     6462
1776
    Epoch 00790: val_mean_absolute_error
1777
    did not improve from 2.27144
1778 Epoch 791/1000
1779 - Os - Loss: 0.6576 -
```

```
1779 mean_absolute_error: 0.5904 - val_loss
       17.7748 - val_mean_absolute_error: 2
     7466
1780 Epoch 792/1000
1781 - 0s - loss: 0.6689 -
     mean_absolute_error: 0.5801 - val_loss
       19.3295 - val_mean_absolute_error: 2
     7262
1782 Epoch 793/1000
1783 - Os - Loss: 0.7359 -
     mean_absolute_error: 0.5868 - val_loss
       16.4519 - val_mean_absolute_error: 2
     5368
1784 Epoch 794/1000
1785 - 0s - loss: 0.6732 -
     mean_absolute_error: 0.5616 - val_loss
       19.5531 - val_mean_absolute_error:
     6701
1786 Epoch 795/1000
1787 - 0s - loss: 0.8393 -
     mean_absolute_error: 0.6218 - val_loss
       17.3643 - val_mean_absolute_error:
      6095
1788 Epoch 796/1000
```

```
- 0s - loss: 0.7284 -
1789
    17.6125 - val_mean_absolute_error: 2
     6595
1790 Epoch 797/1000
    - 0s - loss: 0.7927 -
1791 |
    mean_absolute_error: 0.6453 - val_loss
      18.6986 - val_mean_absolute_error: 2
     9988
1792 Epoch 798/1000
1793 - 0s - loss: 0.5843 -
    mean_absolute_error: 0.5386 - val_loss
      16.5387 - val_mean_absolute_error:
     5945
1794 Epoch 799/1000
    - 0s - loss: 0.6341 -
1795
    18.1591 - val_mean_absolute_error: 2
     7643
1796 Epoch 800/1000
    - 0s - loss: 0.7819 -
1797
    mean_absolute_error: 0.6394 - val_loss
      17.7010 - val_mean_absolute_error: 2
     6393
```

```
1798
1799 Epoch 00800: val_mean_absolute_error
     did not improve from 2.27144
1800 Epoch 801/1000
1801 - 0s - loss: 0.6194 -
     mean_absolute_error: 0.5749 - val_loss
       17.9042 - val_mean_absolute_error: 2
     7058
1802 Epoch 802/1000
1803 - 0s - loss: 0.8296 -
     mean_absolute_error: 0.6580 - val_loss
       18.7405 - val_mean_absolute_error: 2
     7878
1804 Epoch 803/1000
    - 0s - loss: 0.6314
1805
     mean_absolute_error: 0.5529 - val_loss
       16.5630 - val_mean_absolute_error:
      6174
1806 Epoch 804/1000
1807 - 0s - loss: 0.6611 -
     mean_absolute_error: 0.5902 - val_loss
       17.6396 - val_mean_absolute_error:
1808 Epoch 805/1000
```

```
- 0s - loss: 0.6343 -
1809
    19.1421 - val_mean_absolute_error: 2
     7330
1810 Epoch 806/1000
1811 - 0s - loss: 0.8301
    mean_absolute_error: 0.6609 - val_loss
      19.4503 - val_mean_absolute_error: 2
     8190
1812 Epoch 807/1000
1813 - Os - Loss: 0.6737 -
    18.6335 - val_mean_absolute_error:
     8752
1814 Epoch 808/1000
    - 0s - loss: 0.7908 -
1815
    mean_absolute_error: 0.6274 - val_loss
      18.1931 - val_mean_absolute_error: 2
     6245
1816 Epoch 809/1000
    - 0s - loss: 0.5928 -
1817
    mean_absolute_error: 0.5514 - val_loss
    : 18.3472 - val_mean_absolute_error: 2
    6672
```

1828 Epoch 814/1000

```
- 0s - loss: 0.6734 -
1829
     mean_absolute_error: 0.5780 - val_loss
       16.6117 - val_mean_absolute_error: 2
      7389
1830 Epoch 815/1000
     - 0s - loss: 0.6774 -
1831
     mean_absolute_error: 0.5984 - val_loss
       16.9005 - val_mean_absolute_error:
      6227
1832 Epoch 816/1000
1833 - Os - Loss: 0.7179 -
     mean_absolute_error: 0.6189 - val_loss
       19.1896 - val_mean_absolute_error:
     7007
1834 Epoch 817/1000
     - 0s - loss: 0.7492 -
1835
     mean_absolute_error: 0.5728 - val_loss
       18.9908 - val_mean_absolute_error: 2
     7317
1836 Epoch 818/1000
     - 0s - loss: 0.6717 -
1837
     mean_absolute_error: 0.5704 - val_loss
       18.0647 - val_mean_absolute_error: 2
     6580
```

1848 Epoch 823/1000

6949

```
- 0s - loss: 0.6524 -
1849
     mean_absolute_error: 0.5518 - val_loss
       19.0994 - val_mean_absolute_error:
      8872
1850 Epoch 824/1000
     - 0s - loss: 0.6953 -
1851
     mean_absolute_error: 0.5910 - val_loss
       17.0444 - val_mean_absolute_error:
      6896
1852 Epoch 825/1000
1853 - Os - Loss: 0.6781
     mean_absolute_error: 0.5905 - val_loss
       17.1570 - val_mean_absolute_error:
      7558
1854 Epoch 826/1000
     - 0s - Loss: 0.6938 -
1855
     mean_absolute_error: 0.5905 - val_loss
       17.8930 - val_mean_absolute_error: 2
      6294
1856 Epoch 827/1000
     - 0s - loss: 0.6347 -
1857
     mean_absolute_error: 0.5728 - val_loss
     : 18.0950 - val_mean_absolute_error: 2
     8157
```

1868 Epoch 832/1000

```
- 0s - loss: 0.5896 -
1869
     mean_absolute_error: 0.5266 - val_loss
       17.3404 - val_mean_absolute_error:
      5745
1870 Epoch 833/1000
     - 0s - loss: 0.6847 -
1871 |
     mean_absolute_error: 0.5871 - val_loss
       19.2234 - val_mean_absolute_error:
      7757
1872 Epoch 834/1000
1873 - Os - Loss: 0.7168 -
     mean_absolute_error: 0.5976 - val_loss
       19.4590 - val_mean_absolute_error:
      7088
1874 Epoch 835/1000
     - 0s - Loss: 0.6823 -
1875
     mean_absolute_error: 0.5796 - val_loss
       16.4076 - val_mean_absolute_error: 2
      6801
1876 Epoch 836/1000
     - 0s - loss: 0.7256 -
1877
     mean_absolute_error: 0.5924 - val_l<u>oss</u>
       18.5859 - val_mean_absolute_error: 2
     6406
```

1887 Epoch 00840: val_mean_absolute_error did not improve from 2.27144

1888 Epoch 841/1000

```
- 0s - loss: 0.6006 -
1889
     mean_absolute_error: 0.5554 - val_loss
       19.8462 - val_mean_absolute_error:
      8161
1890 Epoch 842/1000
     - 0s - loss: 0.5980 -
1891
     mean_absolute_error: 0.5617 - val_loss
       19.7856 - val_mean_absolute_error:
1892 Epoch 843/1000
1893 - Os - Loss: 0.6339 -
     mean_absolute_error: 0.5745 - val_loss
       18.4695 - val_mean_absolute_error:
     6632
1894 Epoch 844/1000
     - 0s - loss: 0.7464 -
1895
     mean_absolute_error: 0.6195 - val_loss
       17.7207 - val_mean_absolute_error: 2
      6405
1896 Epoch 845/1000
     - 0s - loss: 0.6098 -
1897
     mean_absolute_error: 0.5516 - val_loss
     : 16.9370 - val_mean_absolute_error: 2
     6063
```

1906 Epoch 850/1000 1907 - Os - Loss: 0.8190 mean_absolute_error: 0.6464 - val_loss

17.8038 - val_mean_absolute_error: 2

```
File - boston01
    . 6612
1907
1908
1909 Epoch 00850: val_mean_absolute_error
     did not improve from 2.27144
1910 Epoch 851/1000
1911 - 0s - loss: 0.6547 -
     mean_absolute_error: 0.5496 - val_loss
      17.4259 - val_mean_absolute_error: 2
     6437
1912 Epoch 852/1000
1913 - 0s - loss: 0.6354 -
     18.4067 - val_mean_absolute_error: 2
     7221
1914 Epoch 853/1000
1915
    - 0s - loss: 0.6361 -
     19.4700 - val_mean_absolute_error: 2
     7792
1916 Epoch 854/1000
     - 0s - loss: 0.6153 -
1917
     mean_absolute_error: 0.5107 - val_loss
     : 19.7147 - val_mean_absolute_error: 2
     . 8641
```

1926 Epoch 859/1000

5767

1927 - 0s - loss: 0.6715 - mean_absolute_error: 0.5898 - val_loss : 17.8354 - val_mean_absolute_error: 2

```
File - boston01
    . 8615
1927
1928 Epoch 860/1000
1929 - 0s - loss: 0.7357
     mean_absolute_error: 0.6025 - val_loss
       17.5219 - val_mean_absolute_error: 2
     6448
1930
1931 Epoch 00860: val_mean_absolute_error
     did not improve from 2.27144
1932 Epoch 861/1000
1933 - 0s - loss: 0.5748 -
     21.8805 - val_mean_absolute_error:
      8593
1934 Epoch 862/1000
     - 0s - loss: 0.5946 -
1935
     mean_absolute_error: 0.5556 - val_loss
       19. 2000 - val_mean_absolute_error: 2
      8783
1936 Epoch 863/1000
     - 0s - loss: 0.7418 -
1937
     mean_absolute_error: 0.5948 - val_loss
      18.4738 - val_mean_absolute_error: 2
     6065
```

1946 Epoch 868/1000

1947 - 0s - loss: 0.6734 - mean_absolute_error: 0.5673 - val_loss : 17.1254 - val_mean_absolute_error: 2

```
File - boston01
     . 8089
1947
1948 Epoch 869/1000
     - 0s - loss: 0.7607
1949
     mean_absolute_error: 0.6091 - val_loss
       18.9604 - val_mean_absolute_error: 2
      6839
1950 Epoch 870/1000
     - 0s - loss: 0.4991
1951
     17.5212 - val_mean_absolute_error:
     . 5717
1952
1953 Epoch 00870: val_mean_absolute_error
     did not improve from 2.27144
1954 Epoch 871/1000
     - 0s - loss: 0.6467 -
1955
     mean_absolute_error: 0.5600 - val_loss
       20.1208 - val_mean_absolute_error: 2
      7050
1956 Epoch 872/1000
     - 0s - loss: 0.6893 -
1957
     mean_absolute_error: 0.6043 - val_loss
      17.9895 - val_mean_absolute_error: 2
     6948
```

1966 Epoch 877/1000

1967 - 0s - loss: 0.5947 - mean_absolute_error: 0.5503 - val_loss : 17.5187 - val_mean_absolute_error: 2

```
File - boston01
1967 . 6553
1968 Epoch 878/1000
1969 - 0s - loss: 0.7511
     mean_absolute_error: 0.6224 - val_loss
       17.2073 - val_mean_absolute_error: 2
     . 6800
1970 Epoch 879/1000
    - 0s - loss: 0.6540 -
1971
     mean_absolute_error: 0.5803 - val_loss
       18.3124 - val_mean_absolute_error:
      6880
1972 Epoch 880/1000
1973 - 0s - loss: 0.6519 -
     20.0048 - val_mean_absolute_error:
     . 8135
1974
1975 Epoch 00880: val_mean_absolute_error
     did not improve from 2.27144
1976 Epoch 881/1000
     - 0s - loss: 0.6056 -
1977
     mean_absolute_error: 0.5708 - val_loss
       18.7690 - val_mean_absolute_error: 2
      7084
```

1986 Epoch 886/1000

1987 - Os - Loss: 0.7041 - mean_absolute_error: 0.5717 - val_loss : 18.3488 - val_mean_absolute_error: 2

```
File - boston01
1987 . 7362
1988 Epoch 887/1000
1989 - 0s - loss: 0.6524
     mean_absolute_error: 0.5670 - val_loss
       18.0760 - val_mean_absolute_error: 2
      6569
1990 Epoch 888/1000
    - 0s - loss: 0.5962
1991
     mean_absolute_error: 0.5491 - val_loss
       17.3052 - val_mean_absolute_error:
      8321
1992 Epoch 889/1000
     - 0s - loss: 0.5346 -
1993
     17.7903 - val_mean_absolute_error:
      7542
1994 Epoch 890/1000
     - 0s - loss: 0.7451
1995
     mean_absolute_error: 0.6162 - val_loss
       17.3095 - val_mean_absolute_error:
     8587
1996
     Epoch 00890: val_mean_absolute_error
1997
     did not improve from 2.27144
```

2006 Epoch 895/1000
2007 - 0s - loss: 0.6265 mean_absolute_error: 0.5544 - val_loss
: 19.9278 - val_mean_absolute_error: 2

```
File - boston01
2007 . 8073
2008 Epoch 896/1000
2009 - 0s - loss: 0.6165
     mean_absolute_error: 0.5607 - val_loss
       17.2520 - val_mean_absolute_error: 2
      6000
2010 Epoch 897/1000
     - 0s - Loss: 0.6935
2011
     mean_absolute_error: 0.6233 - val_loss
       19.3630 - val_mean_absolute_error:
      8523
2012 Epoch 898/1000
2013 - 0s - loss: 0.5446 -
     mean_absolute_error: 0.5247 - val_loss
       16.8139 - val_mean_absolute_error: 2
      6716
2014 Epoch 899/1000
2015 - 0s - loss: 0.6147 -
     mean_absolute_error: 0.5498 - val_loss
       16.7154 - val_mean_absolute_error:
      6383
2016 Epoch 900/1000
2017 - 0s - loss: 0.6379 -
     mean_absolute_error: 0.5729 - val_l<u>oss</u>
```

```
18.3525 - val_mean_absolute_error: 2
2017
     7249
2018
2019 Epoch 00900: val_mean_absolute_error
     did not improve from 2.27144
2020 Epoch 901/1000
     - 0s - loss: 0.7431
2021
     mean_absolute_error: 0.6130 - val_loss
       17.9141 - val_mean_absolute_error: 2
      6769
2022 Epoch 902/1000
2023 - 0s - loss: 0.5400 -
     mean_absolute_error: 0.5089 - val_loss
       19.5817 - val_mean_absolute_error: 2
      9284
2024 Epoch 903/1000
     - 0s - loss: 0.6774 -
2025
     mean_absolute_error: 0.5930 - val_loss
       17. 9294 - val_mean_absolute_error: 2
      6526
2026 Epoch 904/1000
2027 - 0s - loss: 0.6175
     mean_absolute_error: 0.5533 - val_loss
      17.1573 - val_mean_absolute_error: 2
```

```
File - boston01
2027 . 6231
2028 Epoch 905/1000
2029 - 0s - loss: 0.6403
     mean_absolute_error: 0.5558 - val_loss
       17.3939 - val_mean_absolute_error: 2
      5975
2030 Epoch 906/1000
     - 0s - loss: 0.6321
2031
     mean_absolute_error: 0.5583 - val_loss
       17.3864 - val_mean_absolute_error:
      7273
2032 Epoch 907/1000
      - Os - loss: 0.5271
2033 l
     mean_absolute_error: 0.5293 - val_loss
       17.0845 - val_mean_absolute_error:
      7553
2034 Epoch 908/1000
2035 - 0s - loss: 0.6307 -
     mean_absolute_error: 0.5887 - val_loss
       17.6463 - val_mean_absolute_error:
      7239
2036 Epoch 909/1000
2037 - 0s - loss: 0.5413 -
     mean_absolute_error: 0.5082 - val_l<u>oss</u>
```

```
20.8937 - val_mean_absolute_error: 2
2037
     9032
2038 Epoch 910/1000
     - 0s - loss: 0.6100 -
2039
     mean_absolute_error: 0.5170 - val_loss
       17.6127 - val_mean_absolute_error: 2
     6298
2040
     Epoch 00910: val_mean_absolute_error
2041
     did not improve from 2.27144
2042 Epoch 911/1000
2043 - 0s - loss: 0.6672 -
     mean_absolute_error: 0.5756 - val_loss
       17.5524 - val_mean_absolute_error: 2
      6041
2044 Epoch 912/1000
     - 0s - loss: 0.5814 -
2045
     mean_absolute_error: 0.5297 - val_loss
       18.9615 - val_mean_absolute_error: 2
     7134
2046 Epoch 913/1000
2047 - 0s - loss: 0.5032
     mean_absolute_error: 0.5030 - val_loss
      17.9011 - val_mean_absolute_error: 2
```

```
File - boston01
     . 8349
2047
2048 Epoch 914/1000
2049 - 0s - loss: 0.6695
     mean_absolute_error: 0.5830 - val_loss
       16.9394 - val_mean_absolute_error: 2
      6878
2050 Epoch 915/1000
    - 0s - loss: 0.5218
2051
     17.7153 - val_mean_absolute_error:
      7728
2052 Epoch 916/1000
2053 - 0s - loss: 0.6045 -
     mean_absolute_error: 0.5715 - val_loss
       19.6687 - val_mean_absolute_error: 3
      0238
2054 Epoch 917/1000
    - 0s - loss: 0.7216 -
2055
     mean_absolute_error: 0.6103 - val_loss
       16.6996 - val_mean_absolute_error:
      6261
2056 Epoch 918/1000
2057 - 0s - loss: 0.6146 -
     mean_absolute_error: 0.5644 - val_loss
```

```
19.5262 - val_mean_absolute_error: 2
2057
     7472
2058 Epoch 919/1000
2059 - 0s - loss: 0.5114 -
     mean_absolute_error: 0.5129 - val_loss
       18.4855 - val_mean_absolute_error: 2
     6505
2060 Epoch 920/1000
     - 0s - loss: 0.6119 -
2061
     mean_absolute_error: 0.5642 - val_loss
       19.1170 - val_mean_absolute_error: 2
     7704
2062
2063 Epoch 00920: val_mean_absolute_error
     did not improve from 2.27144
2064 Epoch 921/1000
     - 0s - loss: 0.5659 -
2065
     mean_absolute_error: 0.5179 - val_loss
       21.2922 - val_mean_absolute_error: 3
     1737
2066 Epoch 922/1000
2067 - 0s - loss: 0.6796
     mean_absolute_error: 0.5828 - val_loss
      17.9689 - val_mean_absolute_error: 2
```

```
File - boston01
2067 . 6350
2068 Epoch 923/1000
2069 - 0s - loss: 0.6663
     mean_absolute_error: 0.5572 - val_loss
       17.8886 - val_mean_absolute_error: 2
      6865
2070 Epoch 924/1000
     - 0s - loss: 0.5139
2071
     mean_absolute_error: 0.5010 - val_loss
       18.1917 - val_mean_absolute_error:
      6860
2072 Epoch 925/1000
2073 - 0s - loss: 0.6755 -
     mean_absolute_error: 0.5746 - val_loss
       17.5988 - val_mean_absolute_error:
      6756
2074 Epoch 926/1000
     - 0s - loss: 0.5930 -
2075
     mean_absolute_error: 0.5444 - val_loss
       21.4883 - val_mean_absolute_error:
      0035
2076 Epoch 927/1000
2077 - 0s - loss: 0.6177 -
     mean_absolute_error: 0.5206 - val_loss
```

```
17.2307 - val_mean_absolute_error: 2
2077
      7055
2078 Epoch 928/1000
2079 - 0s - loss: 0.5093 -
     mean_absolute_error: 0.5111 - val_loss
       17.5364 - val_mean_absolute_error: 2
      6317
2080 Epoch 929/1000
2081
     - 0s - loss: 0.7637 -
     mean_absolute_error: 0.6035 - val_loss
       18.9612 - val_mean_absolute_error: 2
      7995
2082 Epoch 930/1000
     - 0s - loss: 0.5742 -
2083
     mean_absolute_error: 0.5354 - val_loss
       19.5757 - val_mean_absolute_error: 2
     . 6916
2084
2085 Epoch 00930: val_mean_absolute_error
     did not improve from 2.27144
2086 Epoch 931/1000
2087 - 0s - loss: 0.5848
     mean_absolute_error: 0.5176 - val_loss
      17.6405 - val_mean_absolute_error: 2
```

```
File - boston01
2087 . 7177
2088 Epoch 932/1000
2089 - 0s - loss: 0.6046
     mean_absolute_error: 0.5536 - val_loss
       17.5632 - val_mean_absolute_error: 2
     . 7807
2090 Epoch 933/1000
    - 0s - Loss: 0.5398
2091
     mean_absolute_error: 0.5372 - val_loss
       18.3254 - val_mean_absolute_error:
      9989
2092 Epoch 934/1000
     - 0s - loss: 0.6545 -
2093 l
     mean_absolute_error: 0.5174 - val_loss
       18.6268 - val_mean_absolute_error:
      7750
2094 Epoch 935/1000
2095 - Os - Loss: 0.7344 -
     mean_absolute_error: 0.6200 - val_loss
       19.9260 - val_mean_absolute_error:
     8483
2096 Epoch 936/1000
2097 - 0s - loss: 0.5303 -
```

```
19.1362 - val_mean_absolute_error: 2
2097
      6676
2098 Epoch 937/1000
     - 0s - loss: 0.5498 -
2099
     mean_absolute_error: 0.5318 - val_loss
       18.0569 - val_mean_absolute_error: 2
      7170
2100 Epoch 938/1000
     - 0s - loss: 0.5827 -
2101
     mean_absolute_error: 0.5395 - val_loss
       19.4828 - val_mean_absolute_error: 2
      6399
2102 Epoch 939/1000
     - 0s - loss: 0.5845 -
2103
     mean_absolute_error: 0.5473 - val_loss
       19. 2457 - val_mean_absolute_error: 2
      6471
2104 Epoch 940/1000
     - 0s - loss: 0.6077 -
2105
     mean_absolute_error: 0.5164 - val_loss
       18.8124 - val_mean_absolute_error: 2
     9310
2106
    Epoch 00940: val_mean_absolute_error
2107
```

mean_absolute_error: 0.5416 - val_loss

```
18.2377 - val_mean_absolute_error: 2
2117
     9831
2118 Epoch 946/1000
2119 - 0s - loss: 0.5594 -
    19.3815 - val_mean_absolute_error: 2
     7785
2120 Epoch 947/1000
     - 0s - loss: 0.6067 -
2121
    mean_absolute_error: 0.5555 - val_loss
      18.3595 - val_mean_absolute_error: 2
     8527
2122 Epoch 948/1000
     - 0s - loss: 0.6178 -
2123 l
    mean_absolute_error: 0.5567 - val_loss
      18.1980 - val_mean_absolute_error: 2
     6717
2124 Epoch 949/1000
2125 - 0s - loss: 0.5563 -
    mean_absolute_error: 0.5390 - val_loss
      18.9644 - val_mean_absolute_error: 2
     6744
2126 Epoch 950/1000
2127 - 0s - loss: 0.5416 -
```

```
2127 mean_absolute_error: 0.5285 - val_loss
       18.0610 - val_mean_absolute_error: 2
     . 8627
2128
2129 Epoch 00950: val_mean_absolute_error
     did not improve from 2.27144
2130 Epoch 951/1000
    - 0s - loss: 0.5884
2131
     mean_absolute_error: 0.5505 - val_loss
       17.7511 - val_mean_absolute_error: 2
      5514
2132 Epoch 952/1000
2133 - 0s - loss: 0.6104 -
     mean_absolute_error: 0.5570 - val_loss
       18.6678 - val_mean_absolute_error: 2
      6924
2134 Epoch 953/1000
     - 0s - loss: 0.5572 -
2135
     mean_absolute_error: 0.5352 - val_loss
       17.1275 - val_mean_absolute_error:
      7310
2136 Epoch 954/1000
2137 - 0s - loss: 0.6415 -
     mean_absolute_error: 0.5594 - val_loss
```

```
18.9989 - val_mean_absolute_error:
2137
      7052
2138 Epoch 955/1000
     - 0s - loss: 0.5186 -
2139
     mean_absolute_error: 0.5081 - val_loss
       18.1432 - val_mean_absolute_error: 2
      6771
2140 Epoch 956/1000
     - 0s - loss: 0.5266 -
2141
     mean_absolute_error: 0.4978 - val_loss
       17.3879 - val_mean_absolute_error: 2
      6410
2142 Epoch 957/1000
     - 0s - loss: 0.6530 -
2143
     mean_absolute_error: 0.5847 - val_loss
       20.8739 - val_mean_absolute_error: 2
     8472
2144 Epoch 958/1000
     - 0s - loss: 0.6421
2145
     mean_absolute_error: 0.5661 - val_loss
       19.6536 - val_mean_absolute_error: 2
      8224
2146 Epoch 959/1000
     - 0s - loss: 0.4867
2147
```

```
2147 mean_absolute_error: 0.4896 - val_loss
       22.6426 - val_mean_absolute_error: 2
      9403
2148 Epoch 960/1000
2149 - 0s - loss: 0.5414 -
     mean_absolute_error: 0.5505 - val_loss
       19.2132 - val_mean_absolute_error: 2
     7998
2150
    Epoch 00960: val_mean_absolute_error
2151
     did not improve from 2.27144
2152 Epoch 961/1000
2153 - 0s - loss: 0.6280 -
     mean_absolute_error: 0.5647 - val_loss
       17.8468 - val_mean_absolute_error: 2
      6331
2154 Epoch 962/1000
2155 - 0s - loss: 0.4839 -
     mean_absolute_error: 0.5160 - val_loss
       17.4312 - val_mean_absolute_error:
      5795
2156 Epoch 963/1000
2157 - 0s - loss: 0.6457 -
     mean_absolute_error: 0.5511 - val_loss
```

```
19.1443 - val_mean_absolute_error: 2
2157
     8033
2158 Epoch 964/1000
2159 - 0s - loss: 0.4678 -
    18.0277 - val_mean_absolute_error: 2
     7319
2160 Epoch 965/1000
     - 0s - loss: 0.5842 -
2161
    mean_absolute_error: 0.5440 - val loss
      18.4108 - val_mean_absolute_error: 2
     6990
2162 Epoch 966/1000
     - 0s - loss: 0.5930 -
2163
    mean_absolute_error: 0.5309 - val_loss
      17.5461 - val_mean_absolute_error: 2
     8363
2164 Epoch 967/1000
    - 0s - loss: 0.5761
2165
    mean_absolute_error: 0.5223 - val_loss
      18.3667 - val_mean_absolute_error: 2
     6670
2166 Epoch 968/1000
2167 - 0s - loss: 0.6602
```

```
2167 mean_absolute_error: 0.5787 - val_loss
       17.9358 - val_mean_absolute_error: 2
      6601
2168 Epoch 969/1000
2169 - 0s - loss: 0.5398 -
     mean_absolute_error: 0.5188 - val_loss
       17.5777 - val_mean_absolute_error: 2
      7985
2170 Epoch 970/1000
2171 - 0s - loss: 0.5203 -
     mean_absolute_error: 0.4899 - val_loss
       18.9837 - val_mean_absolute_error: 2
     8914
2172
2173 Epoch 00970: val_mean_absolute_error
     did not improve from 2.27144
2174 Epoch 971/1000
    - 0s - loss: 0.5362 -
2175
     mean_absolute_error: 0.5260 - val_loss
       16.8958 - val_mean_absolute_error:
      6428
2176 Epoch 972/1000
2177 - 0s - loss: 0.4978 -
     mean_absolute_error: 0.5136 - val_loss
```

```
18.1967 - val_mean_absolute_error: 2
2177
      6624
2178 Epoch 973/1000
     - 0s - loss: 0.4823 -
2179 l
     mean_absolute_error: 0.5004 - val_loss
       17.9457 - val_mean_absolute_error: 2
      6693
2180 Epoch 974/1000
     - 0s - loss: 0.5751
2181
     mean_absolute_error: 0.5209 - val_loss
       18.3699 - val_mean_absolute_error: 2
     7507
2182 Epoch 975/1000
     - 0s - loss: 0.4580 -
2183
     mean_absolute_error: 0.4865 - val_loss
       17.7317 - val_mean_absolute_error: 2
     7781
2184 Epoch 976/1000
    - 0s - loss: 0.5584
2185
     mean_absolute_error: 0.5716 - val_loss
       18.1268 - val_mean_absolute_error: 3
      0152
2186 Epoch 977/1000
2187 - 0s - loss: 0.6561
```

```
2187 mean_absolute_error: 0.5357 - val_loss
      18.6594 - val_mean_absolute_error: 2
     7437
2188 Epoch 978/1000
2189 - 0s - loss: 0.6087 -
    mean_absolute_error: 0.5520 - val_loss
      18.2883 - val_mean_absolute_error: 2
     6934
2190 Epoch 979/1000
2191 - 0s - loss: 0.4307
    18.3133 - val_mean_absolute_error: 2
     6836
2192 Epoch 980/1000
2193 - 0s - loss: 0.5660
    17.5129 - val_mean_absolute_error:
     6623
2194
    Epoch 00980: val_mean_absolute_error
2195
    did not improve from 2.27144
2196 Epoch 981/1000
2197 - 0s - loss: 0.6838 -
    mean_absolute_error: 0.5895 - val_loss
```

```
18.5380 - val_mean_absolute_error: 2
2197
      6879
2198 Epoch 982/1000
2199 - 0s - loss: 0.4811 -
     mean_absolute_error: 0.4808 - val_loss
       17.5549 - val_mean_absolute_error: 2
     7627
2200 Epoch 983/1000
     - 0s - loss: 0.5397 -
2201
     mean_absolute_error: 0.5331 - val_loss
       18.0486 - val_mean_absolute_error: 2
     7403
2202 Epoch 984/1000
     - 0s - loss: 0.6348 -
2203
     mean_absolute_error: 0.5398 - val_loss
       19.0898 - val_mean_absolute_error: 2
     . 7450
2204 Epoch 985/1000
    - 0s - Loss: 0.4998
2205
     mean_absolute_error: 0.5050 - val_loss
       21.3770 - val_mean_absolute_error: 2
      7925
2206 Epoch 986/1000
2207 - 0s - loss: 0.5443
```

```
2207 mean_absolute_error: 0.4865 - val_loss
       17.3301 - val_mean_absolute_error: 2
     7030
2208 Epoch 987/1000
2209 - 0s - loss: 0.5134 -
     mean_absolute_error: 0.4953 - val_loss
       16.7901 - val_mean_absolute_error: 2
     6123
2210 Epoch 988/1000
2211 - 0s - loss: 0.6285 -
     mean_absolute_error: 0.5741 - val_loss
       22.6271 - val_mean_absolute_error: 3
      0780
2212 Epoch 989/1000
2213 - 0s - loss: 0.5872 -
     mean_absolute_error: 0.5287 - val_loss
       17.3270 - val_mean_absolute_error: 2
      6090
2214 Epoch 990/1000
    - 0s - loss: 0.5551 -
2215
     mean_absolute_error: 0.5215 - val_loss
       17.3945 - val_mean_absolute_error:
     . 6652
2216
```

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```
2217 Epoch 00990: val_mean_absolute_error
    did not improve from 2.27144
2218 Epoch 991/1000
2219 - 0s - loss: 0.4830 -
    18.7942 - val_mean_absolute_error: 2
     7141
2220 Epoch 992/1000
     - 0s - loss: 0.6351 -
2221
    mean_absolute_error: 0.5843 - val_loss
      17.5317 - val_mean_absolute_error: 2
     6069
2222 Epoch 993/1000
2223 - 0s - loss: 0.4238 -
    mean_absolute_error: 0.4778 - val_loss
      18.6970 - val_mean_absolute_error: 2
     . 7813
2224 Epoch 994/1000
2225 - 0s - loss: 0.5506 -
    mean_absolute_error: 0.5240 - val_loss
      17.9782 - val_mean_absolute_error: 2
     6771
2226 Epoch 995/1000
2227 - 0s - loss: 0.6010 -
```

```
2227 mean_absolute_error: 0.5621 - val_loss
      18.1457 - val_mean_absolute_error: 2
     6561
2228 Epoch 996/1000
2229 - 0s - loss: 0.4447 -
    mean_absolute_error: 0.4750 - val_loss
      18.3288 - val_mean_absolute_error: 2
     7569
2230 Epoch 997/1000
2231 - 0s - loss: 0.5851
    mean_absolute_error: 0.5324 - val_loss
      19.5256 - val_mean_absolute_error: 2
     . 7528
2232 Epoch 998/1000
2233 - 0s - loss: 0.5045
    18.1871 - val_mean_absolute_error: 2
     7533
2234 Epoch 999/1000
     - 0s - loss: 0.5714 -
2235
    mean_absolute_error: 0.5547 - val_loss
      16.9251 - val_mean_absolute_error:
     7161
2236 Epoch 1000/1000
```

```
- 0s - loss: 0.5975 -
2237
     20.8621 - val_mean_absolute_error:
     8384
2238
    Epoch 01000: val_mean_absolute_error
2239
     did not improve from 2.27144
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     119396499277634, 18.226879902827886,
     17. 0478487731314, 17. 70471906501018,
     17. 340351387306495, 19. 22340555590244
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```
2241 , 19. 459030392729204, 16.
     407643297572196, 18.58593151893145, 17
     . 204291121459303, 16. 227542187926577,
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       18. 363498905190713, 18.
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     . 425875240614936, 18. 40669974795094,
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     . 521153653891368, 20. 120832128289305,
     17. 989534901983944, 17. 758323817341417
     , 16.758293359735866, 16.
```

85334863145778, 17.379838192490517, 17 2241 . 518719897042086, 17. 207316553795042, 18. 31244874589237,20. 004845167015805 18. 768957102740252, 18. 266878139825515,16.927578820122612, 17. 73636673114918, 17. 555369461760108 , 18. 348846786184076, 18. 076035176162367,17.305154963775916, 17. 790309889495006, 17. 309479208013478 , 18.061133981118967, 19. 056874807970022, 17.39762217137<u>5</u>488, 19. 633510536617703,19. 927835963307132 , 17. 251997340122745, 19. 36303307608138, 16.813854842964147, 16 . 715405700383364, 18. 352480661471798, 17. 914060680954545, 19. 58172745101246 , 17.929430959309325, 17. 157348144201585, 17.393878838530295, 17. 38642364556407, 17. 084543805799367 , 17.646250358334296, 20. 89370441749508, 17.612723363770378, 17 . 552436078036273, 18. 961503155437516, 17. 901091518225492, 16. 939435156177222 , 17.715308708909117, 19.

66868621331674, 16.69956527668753, 19. 2241 526172724402983, 18.485483612359307, 19. 117005562524735, 21. 29215713489203 17. 968907787476056, <u>17.</u> 888626573446356, 18.191707295860038, 17. 59884988548763, 21. 48828219705158, 17. 230724392849723, 17. 53644511140423 18.96120958517731, 19. 575708813137478, 17.640530710602984, 17. 563175128565895, 18. 325361893500812 18. 62675420296045, 19. 925998873180813, 19.136224667231243, 18. 05689592493905,19. 482752196582748 , 19.245688403094256, 18. 81240448245296, 19.537310263780117, 17 . 492348548231853, 18. 269131983503883, 17.839974892728122, 18.237748831280587 19. 381524868999367, 18. 359513822896982,18.197951333758272, 18. 964433552306375, 18. 06096963858071 17. 751141992616066, 18. 667839449864847, 17.12746031196029, 18 . 998899295006268, 18. 14323903049952, 17. 38787443034443, 20. 873913168087945

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2241 , 19.653625739577375, 22.
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     . 33010861829475,16. 79010643773241,22
     . 62710994095714, 17. 32695566356918, 17
      39449887216827, 18.794225797976978,
     17. 531671396744105, 18. 696953249146677
     17. 97820473747489, 18.
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     19. 525580361301515, 18. 187067465925658
     , 16.9251438062868, 20.862069578818332
```

2242 history.epoch = [0, 1, 2, 3, 4, 5, 6], 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73 , 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92 93, 94, 95, 96, 97, 98, 99, 100, 101 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116 , 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131 , 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146 , 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161 , 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176 , 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191

2242 , 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221 , 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236 , 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251 , 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266 , 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281 , 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296 , 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311 , 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326 , 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341 , 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356 , 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371

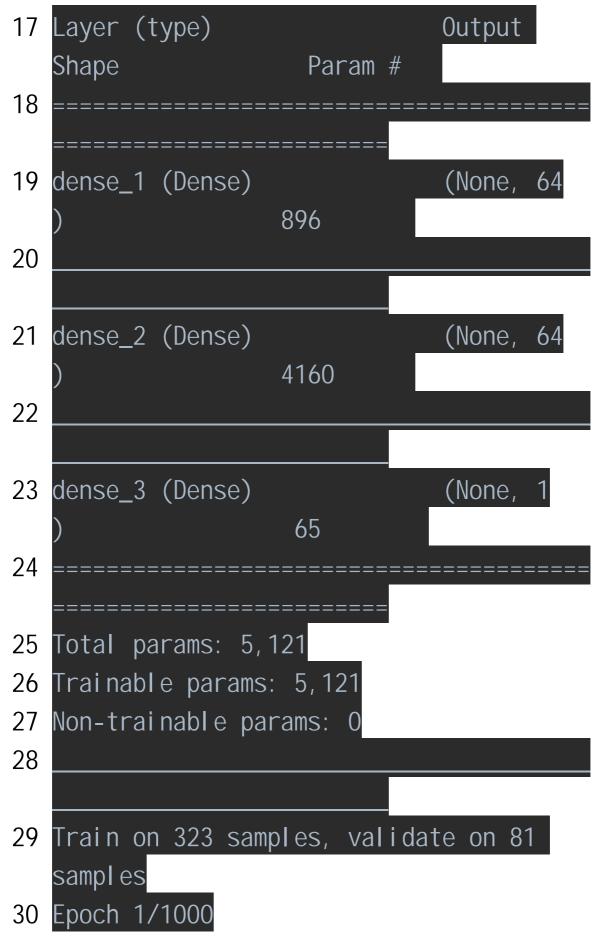
2242 , 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401 , 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416 , 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431 , 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446 , 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461 , 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476 , 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491 , 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506 , 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521 , 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536 , 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551

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2242 , 912, 913, 914, 915, 916, 917, 918,
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      927, 928, 929, 930, 931, 932, 933,
     934, 935, 936, 937, 938, 939, 940, 941
       942, 943, 944, 945, 946, 947, 948,
     949, 950, 951, 952, 953, 954, 955, 956
     , 957, 958, 959, 960, 961, 962, 963,
     964, 965, 966, 967, 968, 969, 970, 971
     , 972, 973, 974, 975, 976, 977, 978,
     979, 980, 981, 982, 983, 984, 985, 986
     , 987, 988, 989, 990, 991, 992, 993,
     994, 995, 996, 997, 998, 999]
2243 ############model evaluate
     ################
2244 results test_loss: 19.538152358111212
2245 results test_mean_absolute_error: 3.
     1216609431248084
2246 ###########model predict
     #################
2247
2248 Process finished with exit code 0
2249
```

```
1 ssh: //root@103.254.67.181:10006/usr/bin/
   python -u /home/sunfengzhen/pycharm/
  keras_regress/boston01.py
 2 Using TensorFlow backend.
 3 ###########Ioad dataset
  ################
 4 the type of train data is float64
 5 the shape of train data is (404, 13)
 6 the shape of train target is (404,)
 7 the type of train target is float64
8 train target[:10]: [15.2 42.3 50. 21.1
  17.7 18.5 11.3 15.6 15.6 14.4]
 9 the shape of test data is (102, 13)
10 the shape of test target is (102,)
11 #############data proecess
  #################
12 the shape of mean is (13,)
13 the shape of std is (13,)
14 ###########model train
  ###############
15 model.metrics_names = ['loss',
  mean_absolute_error']
16
```



31 2019-05-29 10: 31: 42. 922304: I tensorflow /core/platform/cpu_feature_guard.cc:141] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2 FMA 32 2019-05-29 10: 31: 43. 205193: I tensorflow /core/common_runtime/gpu/gpu_device.cc: 1432] Found device O with properties: 33 name: GeForce GTX 1080 Ti major: 6 minor : 1 memoryClockRate(GHz): 1.582 34 pci BusID: 0000:82:00.0 total Memory: 10.92GiB freeMemory: 10. 76Gi B 36 2019-05-29 10:31:43.205266: I tensorflow /core/common_runtime/gpu/gpu_device.cc: 1511] Adding visible gpu devices: 0 37 2019-05-29 10: 31: 43. 616667: I tensorflow /core/common_runtime/gpu/gpu_device.cc: 982] Device interconnect StreamExecutor with strength 1 edge matrix: 38 2019-05-29 10: 31: 43. 616740: I tensorflow /core/common_runtime/gpu/gpu_device.cc: 988] ()39 2019-05-29 10: 31: 43. 616770: I tensorflow

```
/core/common_runtime/gpu/gpu_device.cc:
39
   1001] 0:
              N
40 2019-05-29 10:31:43.617104: I tensorflow
   /core/common_runtime/gpu/gpu_device.cc:
   1115] Created TensorFlow device (/job:
   localhost/replica: O/task: O/device: GPU: O
   with 10409 MB memory) -> physical GPU (
   device: O, name: GeForce GTX 1080 Ti,
   pci bus id: 0000:82:00.0, compute
   capability: 6.1)
   - 2s - loss: 508.8570 -
41
   mean_absolute_error: 20.4707 - val_loss
   : 502.1782 - val_mean_absolute_error: 20
   . 3382
42 Epoch 2/1000
   - 0s - loss: 377.0670 -
43
   mean_absolute_error: 16.9365 - val_loss
     351.6663 - val_mean_absolute_error: 16
   3737
44 Epoch 3/1000
   - 0s - loss: 233.1376 -
45
   mean_absolute_error: 12.7086 - val_loss
     201.0621 - val_mean_absolute_error: 11
   5551
```

```
46 Epoch 4/1000
   - 0s - loss: 119.1073 -
47
   mean_absolute_error: 8.5366 - val_loss:
   106.8300 - val_mean_absolute_error: 7.
   8862
48 Epoch 5/1000
   - 0s - loss: 66.6506 -
49
   mean_absolute_error: 6.1033 - val_loss:
   66.7304 - val_mean_absolute_error: 6.
   1965
50 Epoch 6/1000
   - 0s - loss: 46.5216 -
51
   mean_absolute_error: 4.9055 - val_loss:
   50.3796 - val_mean_absolute_error: 5.
   2820
52 Epoch 7/1000
   - 0s - loss: 35.6644 -
53
   mean_absolute_error: 4.1863 - val_loss:
   37.8124 - val_mean_absolute_error: 4
   6576
54 Epoch 8/1000
55 - 0s - loss: 28.5578 -
   mean_absolute_error: 3.7078 - val_loss:
   29.4733 - val_mean_absolute_error: 4.
```

mean_absolute_error: 2.9657 - val_loss:

65

```
19.3226 - val_mean_absolute_error: 3.
65
   4762
66 Epoch 13/1000
   - 0s - loss: 17.0796 -
67
   mean_absolute_error: 2.8401 - val_loss:
   18.5031 - val_mean_absolute_error: 3.
   4244
68 Epoch 14/1000
   - 0s - loss: 15.8806 -
69
   mean_absolute_error: 2.7602 - val_loss:
   16.5286 - val_mean_absolute_error: 3.
   1774
70 Epoch 15/1000
   - Os - Loss: 14.9331 -
71
   mean_absolute_error: 2.6634 - val_loss:
   15.3848 - val_mean_absolute_error: 3.
   0312
72 Epoch 16/1000
   - 0s - loss: 14.0725 -
73
   mean_absolute_error: 2.5630 - val_loss:
   14.8925 - val_mean_absolute_error: 2.
   9480
74 Epoch 17/1000
   - 0s - loss: 13.3513
75
```

```
mean_absolute_error: 2.4960 - val loss:
75
   13.9896 - val_mean_absolute_error: 2.
   8303
76 Epoch 18/1000
   - 0s - loss: 13.0629 -
77
   mean_absolute_error: 2.4981 - val_loss:
   15.3788 - val_mean_absolute_error: 3.
   1110
78 Epoch 19/1000
   - 0s - loss: 12.6171 -
79
   mean_absolute_error: 2.4574 - val_loss:
   13.3599 - val_mean_absolute_error: 2.
   8262
80 Epoch 20/1000
   - 0s - loss: 11.7888 -
81
   mean_absolute_error: 2.3847 - val_loss:
   13.6188 - val_mean_absolute_error: 2.
   8368
82
  Epoch 00020: val_mean_absolute_error
83
   improved from 3.99685 to 2.83678, saving
   model to ./model/model_Epoch0020-
   val_mean_absolute_error2.84.h5
84 Epoch 21/1000
```

```
- 0s - loss: 11.7894 -
85
   mean_absolute_error: 2.3426 - val_loss
     12.8359 - val_mean_absolute_error: 2.
   7281
86 Epoch 22/1000
87 - 0s - loss: 11.2370 -
   mean_absolute_error: 2.2978 - val_loss
   12.7378 - val_mean_absolute_error: 2.
   7909
88 Epoch 23/1000
   - 0s - loss: 10.9771 -
89 I
   mean_absolute_error: 2.2869 - val_loss
   : 12.3347 - val_mean_absolute_error: 2.
   7578
90 Epoch 24/1000
   - 0s - loss: 10.7601 -
91
   mean_absolute_error: 2.2491 - val_loss
    12.3628 - val_mean_absolute_error: 2.
   6097
92 Epoch 25/1000
   - 0s - loss: 10.2933 -
93
   mean_absolute_error: 2.2198 - val_loss
    13.8948 - val_mean_absolute_error: 2.
   7856
```

```
94 Epoch 26/1000
    - 0s - loss: 10.3395 -
95
    mean_absolute_error: 2.1852 - val_loss
      12.5965 - val_mean_absolute_error: 2.
    6553
96 Epoch 27/1000
    - 0s - loss: 10.0387 -
97 I
    mean_absolute_error: 2.1834 - val_loss
     12.6053 - val_mean_absolute_error: 2.
    7038
98 Epoch 28/1000
    - 0s - loss: 9.9576 -
99
    mean_absolute_error: 2.1891 - val_loss
      12.0698 - val_mean_absolute_error: 2.
    6495
100 Epoch 29/1000
    - 0s - loss: 9.5338 -
101 l
    mean_absolute_error: 2.1261 - val_loss
     12.7163 - val_mean_absolute_error: 2.
    8390
102 Epoch 30/1000
    - 0s - loss: 9.3056 -
103
    mean_absolute_error: 2.1012 - val_loss
     11.6176 - val_mean_absolute_error: 2.
```

```
103 6176
```

104

```
105 Epoch 00030: val_mean_absolute_error
improved from 2.83678 to 2.61763,
saving model to ./model/model_Epoch0030
-val_mean_absolute_error2.62.h5
```

106 Epoch 31/1000

107 - 0s - loss: 9.5487 - mean_absolute_error: 2.1249 - val_loss : 12.1098 - val_mean_absolute_error: 2.6561

108 Epoch 32/1000

109 - 0s - loss: 8.9365 - mean_absolute_error: 2.0343 - val_loss : 15.7893 - val_mean_absolute_error: 2.8930

110 Epoch 33/1000

111 - 0s - loss: 9.1733 - mean_absolute_error: 2.1379 - val_loss : 12.4831 - val_mean_absolute_error: 2.5939

112 Epoch 34/1000

113 - Os - Loss: 8.7832 - mean_absolute_error: 2.0653 - val_loss

```
12.4745 - val_mean_absolute_error: 2.
113
    6719
114 Epoch 35/1000
115 - 0s - loss: 8.9244 -
    mean_absolute_error: 2.0582 - val_loss
    : 12.4537 - val_mean_absolute_error: 2.
    5946
116 Epoch 36/1000
117 - 0s - loss: 8.5267 -
    mean_absolute_error: 2.0779 - val_loss
    12.7375 - val_mean_absolute_error: 2.
    7257
118 Epoch 37/1000
119 - 0s - loss: 8.6095 -
    mean_absolute_error: 2.0246 - val_loss
      12.5228 - val_mean_absolute_error: 2.
    5267
120 Epoch 38/1000
    - 0s - loss: 8.6112 -
121
    mean_absolute_error: 2.0274 - val_loss
     12.5877 - val_mean_absolute_error: 2.
    5362
122 Epoch 39/1000
123 - 0s - loss: 8.4096 -
```

```
123 mean_absolute_error: 1.9910 - val_loss
      12.5051 - val_mean_absolute_error: 2.
    5184
124 Epoch 40/1000
    - 0s - loss: 8.1227 -
125
    mean_absolute_error: 1.9826 - val_loss
      12.3537 - val_mean_absolute_error: 2.
    5608
126
127 Epoch 00040: val_mean_absolute_error
    improved from 2.61763 to 2.56082,
    saving model to ./model/model_Epoch0040
    -val_mean_absolute_error2.56.h5
128 Epoch 41/1000
    - 0s - loss: 8.0297
129
    mean_absolute_error: 1.9396 - val_loss
      12.1463 - val_mean_absolute_error: 2.
    5982
130 Epoch 42/1000
    - 0s - loss: 8.2348 -
131
    mean_absolute_error: 1.9562 - val_loss
     12.9758 - val_mean_absolute_error: 2.
    5625
132 Epoch 43/1000
```

```
- 0s - loss: 7.9648 -
133
    mean_absolute_error: 1.9833 - val_loss
      12.0786 - val_mean_absolute_error: 2.
    5746
134 Epoch 44/1000
    - 0s - loss: 7.9476 -
135 l
    mean_absolute_error: 1.9209 - val_loss
     15.3071 - val_mean_absolute_error: 2.
    7191
136 Epoch 45/1000
137 - 0s - loss: 7.8115 -
    mean_absolute_error: 1.9458 - val_loss
     12.3172 - val_mean_absolute_error: 2.
    6178
138 Epoch 46/1000
    - 0s - loss: 7.7519 -
139
    mean_absolute_error: 1.8970 - val_loss
     13.3924 - val_mean_absolute_error: 2.
    6245
140 Epoch 47/1000
    - 0s - loss: 7.6907 -
141
    mean_absolute_error: 1.9203 - val_loss
      12.5278 - val_mean_absolute_error: 2.
    4699
```

```
142 Epoch 48/1000
    - 0s - loss: 7.4754 -
143
    mean_absolute_error: 1.8890 - val_loss
      12.3038 - val_mean_absolute_error: 2.
    5601
144 Epoch 49/1000
    - 0s - loss: 7.6362 -
145 l
    mean_absolute_error: 1.8887 - val_loss
      12.2312 - val_mean_absolute_error: 2.
    5350
146 Epoch 50/1000
    - 0s - loss: 7.5599 -
147
    mean_absolute_error: 1.8726 - val_loss
      11. 9923 - val_mean_absolute_error: 2.
    4585
148
149 Epoch 00050: val_mean_absolute_error
    improved from 2.56082 to 2.45854,
    saving model to ./model/model_Epoch0050
    -val_mean_absolute_error2.46.h5
150 Epoch 51/1000
    - Os - Loss: 7.4957 -
151
    mean_absolute_error: 1.8982 - val_loss
     12.4439 - val_mean_absolute_error: 2.
```

```
File - boston01
151
    6541
152 Epoch 52/1000
     - 0s - loss: 7.3561
153 l
    mean_absolute_error: 1.8711 - val_loss
     12.2916 - val_mean_absolute_error: 2.
    5589
154 Epoch 53/1000
155
     - 0s - loss: 7.<u>1150</u>
    mean_absolute_error: 1.8399 - val_loss
      12.0207 - val_mean_absolute_error: 2.
    5144
156 Epoch 54/1000
157 - 0s - loss: 7.1536 -
    mean_absolute_error: 1.8609 - val_loss
      14.2695 - val_mean_absolute_error: 2.
     7237
158 Epoch 55/1000
     - 0s - loss: 7.3549
159 l
    mean_absolute_error: 1.8630 - val_loss
     13.1265 - val_mean_absolute_error: 2.
    4830
160 Epoch 56/1000
     - 0s - loss: 7.0151 -
161
    mean_absolute_error: 1.8336 - val_l<u>oss</u>
```

```
12.7181 - val_mean_absolute_error: 2.
161
    5833
162 Epoch 57/1000
163 - 0s - loss: 7.1830 -
    mean_absolute_error: 1.8377 - val_loss
    : 12.6467 - val_mean_absolute_error: 2.
    5032
164 Epoch 58/1000
165
    - 0s - loss: 6.9233 -
    mean_absolute_error: 1.8006 - val_loss
      12.9391 - val_mean_absolute_error: 2.
    5442
166 Epoch 59/1000
167 - 0s - loss: 6.9152 -
    mean_absolute_error: 1.8035 - val_loss
      14.1281 - val_mean_absolute_error: 2.
    5920
168 Epoch 60/1000
169
    - 0s - loss: 6.6614 -
    mean_absolute_error: 1.7891 - val_loss
     15.5446 - val_mean_absolute_error: 2.
    6221
170
    Epoch 00060: val_mean_absolute_error
171
```

```
171 did not improve from 2.45854
172 Epoch 61/1000
    - 0s - loss: 7.0422
173 l
    mean_absolute_error: 1.8260 - val_loss
     12.3304 - val_mean_absolute_error: 2.
    4674
174 Epoch 62/1000
175 - 0s - loss: 6.8601 -
    mean_absolute_error: 1.8219 - val_loss
     12.8567 - val_mean_absolute_error: 2.
    5128
176 Epoch 63/1000
177 - 0s - loss: 6.5729 -
    mean_absolute_error: 1.7427 - val_loss
    16.2805 - val_mean_absolute_error: 2.
    7514
178 Epoch 64/1000
179 - 0s - loss: 6.6873 -
    mean_absolute_error: 1.8112 - val_loss
    : 13.7294 - val_mean_absolute_error: 2.
    6141
180 Epoch 65/1000
    - 0s - loss: 6.4925 -
181 I
    mean_absolute_error: 1.7712 - val_loss
```

```
13.8488 - val_mean_absolute_error: 2.
181
    5839
182 Epoch 66/1000
    - 0s - loss: 6.3370 -
183
    mean_absolute_error: 1.7626 - val_loss
    : 12.4611 - val_mean_absolute_error: 2.
    5212
184 Epoch 67/1000
185
    - 0s - loss: 6.4373 -
    mean_absolute_error: 1.7643 - val_loss
    13.0092 - val_mean_absolute_error: 2.
    5384
186 Epoch 68/1000
    - 0s - loss: 6.4051 -
187 I
    mean_absolute_error: 1.7779 - val_loss
     13.3328 - val_mean_absolute_error: 2.
    7080
188 Epoch 69/1000
    - 0s - loss: 6.4513 -
189
    mean_absolute_error: 1.7229 - val_loss
     14.7567 - val_mean_absolute_error: 2.
    6862
190 Epoch 70/1000
    - 0s - loss: 6.2459
191
```

```
mean_absolute_error: 1.7464 - val_loss
191
      12.9123 - val_mean_absolute_error: 2.
    5536
192
193 Epoch 00070: val_mean_absolute_error
    did not improve from 2.45854
194 Epoch 71/1000
    - 0s - loss: 6.1774 -
195 l
    mean_absolute_error: 1.6919 - val_loss
    13.9759 - val_mean_absolute_error: 2.
    5164
196 Epoch 72/1000
197 - 0s - loss: 6.3357 -
    mean_absolute_error: 1.7462 - val_loss
    13.3034 - val_mean_absolute_error: 2.
    5839
198 Epoch 73/1000
    - 0s - loss: 6.1997 -
199
    mean_absolute_error: 1.7343 - val_loss
    : 12.4309 - val_mean_absolute_error: 2.
    4936
200 Epoch 74/1000
    - 0s - loss: 6.0883 -
201
    mean_absolute_error: 1.6695 - val_loss
```

```
13.0401 - val_mean_absolute_error: 2.
201
    4979
202 Epoch 75/1000
    - 0s - loss: 6.2554_-
203
    mean_absolute_error: 1.7133 - val_loss
    : 13.3727 - val_mean_absolute_error: 2.
    4556
204 Epoch 76/1000
    - 0s - loss: 6.0023 -
205
    mean_absolute_error: 1.6996 - val_loss
     12.8556 - val_mean_absolute_error: 2.
    4618
206 Epoch 77/1000
    - 0s - loss: 5.9766 -
207 I
    mean_absolute_error: 1.6278 - val_loss
     13.0897 - val_mean_absolute_error: 2.
    4513
208 Epoch 78/1000
    - 0s - loss: 6.0793 -
209
    mean_absolute_error: 1.6577 - val_loss
      12.8823 - val_mean_absolute_error: 2.
    4754
210 Epoch 79/1000
    - 0s - loss: 5.7519 -
211 l
```

```
211 mean_absolute_error: 1.6324 - val_loss
      13.3224 - val_mean_absolute_error: 2.
    6205
212 Epoch 80/1000
    - 0s - loss: 5.7596 -
213 I
    mean_absolute_error: 1.6362 - val_loss
      12. 9500 - val_mean_absolute_error: 2.
    5735
214
215 Epoch 00080: val_mean_absolute_error
    did not improve from 2.45854
216 Epoch 81/1000
217 - 0s - loss: 5.7959 -
    mean_absolute_error: 1.6462 - val_loss
    13.0019 - val_mean_absolute_error: 2.
    6597
218 Epoch 82/1000
    - 0s - loss: 5.7090 -
219 I
    mean_absolute_error: 1.6289 - val_loss
     12.8836 - val_mean_absolute_error: 2.
    5374
220 Epoch 83/1000
    - 0s - loss: 5.6286 -
221
    mean_absolute_error: 1.6220 - val_loss
```

```
13.6477 - val_mean_absolute_error: 2.
221
    4625
222 Epoch 84/1000
223 - 0s - loss: 5.7457 -
    mean_absolute_error: 1.6571 - val_loss
    : 12.6499 - val_mean_absolute_error: 2.
    4417
224 Epoch 85/1000
    - 0s - loss: 5.6964 -
225
    mean_absolute_error: 1.6348 - val_loss
     12.9228 - val_mean_absolute_error: 2.
    4512
226 Epoch 86/1000
227 - 0s - loss: 5.6430 -
    mean_absolute_error: 1.6679 - val_loss
      13.7091 - val_mean_absolute_error: 2.
    4371
228 Epoch 87/1000
    - 0s - loss: 5.5740 -
229
    mean_absolute_error: 1.6226 - val_loss
      13.9593 - val_mean_absolute_error: 2.
    4862
230 Epoch 88/1000
    - 0s - loss: 5.5570 -
231 I
```

```
231 mean_absolute_error: 1.6255 - val_loss
      13.3627 - val_mean_absolute_error: 2.
    5253
232 Epoch 89/1000
    - 0s - loss: 5.5249 -
233
    mean_absolute_error: 1.6002 - val_loss
      13. 3535 - val_mean_absolute_error: 2.
    4942
234 Epoch 90/1000
    - 0s - loss: 5.4470 -
235
    mean_absolute_error: 1.5859 - val_loss
      13.5879 - val_mean_absolute_error: 2.
    4849
236
237 Epoch 00090: val_mean_absolute_error
    did not improve from 2.45854
238 Epoch 91/1000
    - 0s - loss: 5.3638
239
    mean_absolute_error: 1.6028 - val_loss
    : 14.8538 - val_mean_absolute_error: 2.
    8569
240 Epoch 92/1000
    - 0s - loss: 5.4877 -
241
    mean_absolute_error: 1.6167 - val_l<u>oss</u>
```

```
12.7267 - val_mean_absolute_error: 2.
241
    5878
242 Epoch 93/1000
    - 0s - loss: 5.2634 -
243
    mean_absolute_error: 1.5778 - val_loss
      14.3206 - val_mean_absolute_error: 2.
    4848
244 Epoch 94/1000
    - 0s - loss: 5.2590 -
245
    mean_absolute_error: 1.5730 - val_loss
      13.5896 - val_mean_absolute_error: 2.
    6795
246 Epoch 95/1000
247 - 0s - loss: 5.1998 -
    mean_absolute_error: 1.5744 - val_loss
     13.1699 - val_mean_absolute_error: 2.
    4703
248 Epoch 96/1000
    - 0s - loss: 4.9457 -
249
    mean_absolute_error: 1.5331 - val_loss
      13.9732 - val_mean_absolute_error: 2.
    4181
250 Epoch 97/1000
    - 0s - loss: 5.2812
251
```

```
251 mean_absolute_error: 1.5826 - val_loss
      12.9996 - val_mean_absolute_error: 2.
    5964
252 Epoch 98/1000
    - 0s - loss: 5.3232 -
253
    mean_absolute_error: 1.5817 - val_loss
      12.7469 - val_mean_absolute_error: 2.
    4761
   Epoch 99/1000
254
    - 0s - loss: 4.9620 -
255
    mean_absolute_error: 1.5284 - val_loss
      13.1238 - val_mean_absolute_error: 2.
    4643
256 Epoch 100/1000
    - 0s - loss: 5.1833 -
257
    mean_absolute_error: 1.5380 - val_loss
     14.0637 - val_mean_absolute_error: 2.
    4597
258
   Epoch 00100: val_mean_absolute_error
259
    did not improve from 2.45854
260 Epoch 101/1000
    - 0s - loss: 5.0293 -
261
    mean_absolute_error: 1.5305 - val_loss
```

```
15.5031 - val_mean_absolute_error: 2.
261
    5447
262 Epoch 102/1000
263 - 0s - loss: 4.9056 -
    mean_absolute_error: 1.5570 - val_loss
      15.6589 - val_mean_absolute_error: 2.
    5277
264 Epoch 103/1000
265
    - 0s - loss: 5.0046 -
    mean_absolute_error: 1.5583 - val_loss
      14.5436 - val_mean_absolute_error: 2.
    4849
266 Epoch 104/1000
267 - 0s - loss: 5.0450 -
    mean_absolute_error: 1.5547 - val_loss
     13.1390 - val_mean_absolute_error: 2.
    4331
268 Epoch 105/1000
    - 0s - loss: 4.7754 -
269
    mean_absolute_error: 1.5188 - val_loss
      13.7144 - val_mean_absolute_error: 2.
    4609
270 Epoch 106/1000
    - 0s - loss: 5.0500 -
271 l
```

```
271 mean_absolute_error: 1.5471 - val_loss
      14.8180 - val_mean_absolute_error: 2.
    5740
272 Epoch 107/1000
    - 0s - loss: 4.8728 -
273 l
    mean_absolute_error: 1.4891 - val_loss
      13.8454 - val_mean_absolute_error: 2.
    4251
274 Epoch 108/1000
275 - 0s - loss: 4.7332 -
    mean_absolute_error: 1.4691 - val_loss
      13.6337 - val_mean_absolute_error: 2.
    6243
276 Epoch 109/1000
277 - 0s - loss: 4.6060 -
    mean_absolute_error: 1.4767 - val_loss
      13.6645 - val_mean_absolute_error: 2.
    4436
278 Epoch 110/1000
279 - 0s - loss: 4.6188 -
    mean_absolute_error: 1.4979 - val_loss
     12.9895 - val_mean_absolute_error: 2.
    4880
```

280

```
281 Epoch 00110: val_mean_absolute_error
    did not improve from 2.45854
282 Epoch 111/1000
    - 0s - loss: 4.7260 -
283
    mean_absolute_error: 1.5002 - val_loss
     14.2647 - val_mean_absolute_error: 2.
    5062
284 Epoch 112/1000
285
    - 0s - loss: 4.8011 -
    mean_absolute_error: 1.4700 - val_loss
      13.2491 - val_mean_absolute_error: 2.
    5159
286 Epoch 113/1000
    - Os - loss: 4.7271 -
287 I
    mean_absolute_error: 1.4957 - val_loss
      12.8246 - val_mean_absolute_error: 2.
    5318
288 Epoch 114/1000
    - 0s - loss: 4.6512 -
289
    mean_absolute_error: 1.4513 - val_loss
      13.4932 - val_mean_absolute_error: 2.
    4297
290 Epoch 115/1000
    - Os - loss: 4.6407 -
291
```

```
291 mean_absolute_error: 1.4448 - val_loss
      13.5309 - val_mean_absolute_error: 2.
    4035
292 Epoch 116/1000
    - Os - Loss: 4.4667 -
293
    mean_absolute_error: 1.4160 - val_loss
      14.9832 - val_mean_absolute_error: 2.
    5410
294 Epoch 117/1000
295 - Os - Loss: 4,4219 -
    mean_absolute_error: 1.4754 - val_loss
     13.7533 - val_mean_absolute_error: 2.
    3929
296 Epoch 118/1000
    - 0s - loss: 4.5402 -
297 I
    mean_absolute_error: 1.4637 - val_loss
     13.8223 - val_mean_absolute_error: 2.
    4106
298 Epoch 119/1000
    - 0s - loss: 4.5026 -
299 I
    mean_absolute_error: 1.4735 - val_loss
     13.3173 - val_mean_absolute_error: 2.
    4555
300 Epoch 120/1000
```

```
- 0s - loss: 4.4632 -
301
    mean_absolute_error: 1.4456 - val_loss
      13.2312 - val_mean_absolute_error: 2.
    4173
302
   Epoch 00120: val_mean_absolute_error
303
    improved from 2.45854 to 2.41731,
    saving model to ./model/model_Epoch0120
    -val_mean_absolute_error2.42.h5
304 Epoch 121/1000
    - Os - loss: 4.4761 -
305 I
    mean_absolute_error: 1.4250 - val_loss
      16.6304 - val_mean_absolute_error: 2.
    7050
306 Epoch 122/1000
    - 0s - Loss: 4.6561 -
307
    mean_absolute_error: 1.4688 - val_loss
      15.6400 - val_mean_absolute_error: 2.
    5128
308 Epoch 123/1000
    - 0s - loss: 4.3071 -
309
    mean_absolute_error: 1.4362 - val_loss
      13.9746 - val_mean_absolute_error: 2.
    6208
```

```
310 Epoch 124/1000
    - 0s - loss: 4.3706 -
311
    mean_absolute_error: 1.4417 - val_loss
     13.5181 - val_mean_absolute_error: 2.
    5104
312 Epoch 125/1000
313 - 0s - loss: 4.2669 -
    mean_absolute_error: 1.4170 - val_loss
     13.7394 - val_mean_absolute_error: 2.
    4933
314 Epoch 126/1000
315 - 0s - loss: 4.2876 -
    mean_absolute_error: 1.4605 - val_loss
     13.5563 - val_mean_absolute_error: 2.
    3906
316 Epoch 127/1000
317 - 0s - loss: 4.4309 -
    mean_absolute_error: 1.4361 - val_loss
     14.3062 - val_mean_absolute_error: 2.
    4536
318 Epoch 128/1000
319 - 0s - loss: 4.0691
    mean_absolute_error: 1.3975 - val_loss
     13.7712 - val_mean_absolute_error: 2.
```

```
File - boston01
319 4211
320 Epoch 129/1000
     - 0s - loss: 4.1112 -
321
    mean_absolute_error: 1.4281 - val_loss
      13.4013 - val_mean_absolute_error: 2.
    4146
322 Epoch 130/1000
     - 0s - loss: 4.2188 -
323
    mean_absolute_error: 1.4310 - val_loss
      14.9179 - val_mean_absolute_error: 2.
    5752
324
325 Epoch 00130: val_mean_absolute_error
    did not improve from 2.41731
326 Epoch 131/1000
     - 0s - loss: 4.1455 -
327
    mean_absolute_error: 1.4184 - val_loss
      13.6284 - val_mean_absolute_error: 2.
    4262
328 Epoch 132/1000
     - 0s - loss: 4.1086 -
329
    mean_absolute_error: 1.3804 - val_loss
     14.6837 - val_mean_absolute_error: 2.
```

31 - 0s - loss: 4.0551 - mean_absolute_error: 1.4008 - val_loss

: 14.8289 - val_mean_absolute_error: 2.

4647

332 Epoch 134/1000

mean_absolute_error: 1.3600 - val_loss: 13.2224 - val_mean_absolute_error: 2.

3943

334 Epoch 135/1000

mean_absolute_error: 1.4158 - val_loss

: 13.7612 - val_mean_absolute_error: 2.

5837

336 Epoch 136/1000

337 - 0s - loss: 4.1324 -

mean_absolute_error: 1.3809 - val_loss

: 13.3615 - val_mean_absolute_error: 2.

4132

338 Epoch 137/1000

339 - Os - Loss: 4.1333 -

mean_absolute_error: 1.4200 - val_loss

13.4753 - val_mean_absolute_error: 2.

```
File - boston01
    3824
339
340 Epoch 138/1000
     - 0s - loss: 4.1006 -
341
    mean_absolute_error: 1.4123 - val_loss
      13.2317 - val_mean_absolute_error: 2.
    5027
342 Epoch 139/1000
343
     - 0s - loss: 3.9231
    mean_absolute_error: 1.3650 - val_loss
      13.2198 - val_mean_absolute_error: 2.
    4040
344 Epoch 140/1000
     - 0s - loss: 3.9884 -
345 l
    mean_absolute_error: 1.3936 - val_loss
      13.6991 - val_mean_absolute_error: 2.
346
347 Epoch 00140: val_mean_absolute_error
    did not improve from 2.41731
348 Epoch 141/1000
     - 0s - loss: 3.8466 -
349
    mean_absolute_error: 1.3519 - val_loss
      13.4792 - val_mean_absolute_error: 2.
    4831
```

```
350 Epoch 142/1000
    - 0s - loss: 3.7813 -
351
    mean_absolute_error: 1.3743 - val_loss
      14.5342 - val_mean_absolute_error: 2.
    4961
352 Epoch 143/1000
    - 0s - loss: 3.9038
353 l
    mean_absolute_error: 1.3956 - val_loss
      13.9396 - val_mean_absolute_error: 2.
    4406
354 Epoch 144/1000
    - 0s - loss: 3.9363
355
    mean_absolute_error: 1.3592 - val_loss
      13.8653 - val_mean_absolute_error: 2.
    3873
356 Epoch 145/1000
357 - 0s - loss: 3.6789 -
    mean_absolute_error: 1.3423 - val_loss
     14.0408 - val_mean_absolute_error: 2.
    6104
358 Epoch 146/1000
    - 0s - loss: 3.9000
359
    mean_absolute_error: 1.3731 - val_loss
     14.4238 - val_mean_absolute_error: 2.
```

```
File - boston01
359 4165
360 Epoch 147/1000
     - 0s - Loss: 4.1753
361
    mean_absolute_error: 1.4052 - val_loss
      13.6717 - val_mean_absolute_error: 2.
    3827
362 Epoch 148/1000
     - 0s - loss: 3.6750 -
363 l
    mean_absolute_error: 1.2982 - val_loss
      14.3248 - val_mean_absolute_error: 2.
    5185
364 Epoch 149/1000
     - 0s - loss: 3.8542_-
365 l
    mean_absolute_error: 1.3396 - val_loss
      15.4329 - val_mean_absolute_error: 2.
    4428
366 Epoch 150/1000
     - Os - loss: 3.7479 -
367 l
    mean_absolute_error: 1.3033 - val_loss
      13.8370 - val_mean_absolute_error: 2.
    4211
368
    Epoch 00150: val_mean_absolute_error
    did not improve from 2.41731
```

```
370 Epoch 151/1000
    - 0s - loss: 3.7807 -
371
    mean_absolute_error: 1.3284 - val_loss
      14.6462 - val_mean_absolute_error: 2.
    3955
372 Epoch 152/1000
373 - 0s - loss: 3.7666 -
    mean_absolute_error: 1.3265 - val_loss
      13.4395 - val_mean_absolute_error: 2.
    4403
374 Epoch 153/1000
    - 0s - loss: 3.8173 -
375 l
    mean_absolute_error: 1.3477 - val_loss
      13.7166 - val_mean_absolute_error: 2.
    3924
376 Epoch 154/1000
377 - 0s - loss: 3.5425 -
    mean_absolute_error: 1.2959 - val_loss
     14.4431 - val_mean_absolute_error: 2.
    6686
378 Epoch 155/1000
    - 0s - loss: 3.7825
379 I
    mean_absolute_error: 1.3310 - val_loss
     13.8088 - val_mean_absolute_error: 2.
```

```
File - boston01
    4688
379
380 Epoch 156/1000
     - 0s - loss: 3.6538
381
    mean_absolute_error: 1.3102 - val_loss
      13.7611 - val_mean_absolute_error: 2.
    4475
382 Epoch 157/1000
     - 0s - loss: 3.7245 -
383
    mean_absolute_error: 1.3132 - val_loss
      15.0567 - val_mean_absolute_error:
    4247
384 Epoch 158/1000
     - 0s - loss: 3.6386 -
385
    mean_absolute_error: 1.3548 - val_loss
      15.4886 - val_mean_absolute_error: 2.
    5458
386 Epoch 159/1000
     - 0s - loss: 3.7774 -
387
    mean_absolute_error: 1.3810 - val_loss
    : 14.2584 - val_mean_absolute_error: 2.
    3867
388 Epoch 160/1000
     - 0s - loss: 3.6316 -
389
    mean_absolute_error: 1.3275 - val_loss
```

```
13.9726 - val_mean_absolute_error: 2.
389
    4078
390
391 Epoch 00160: val_mean_absolute_error
    improved from 2.41731 to 2.40778,
    saving model to ./model/model_Epoch0160
    -val_mean_absolute_error2.41.h5
392 Epoch 161/1000
393
    - 0s - loss: 3.6482 -
    mean_absolute_error: 1.2964 - val_loss
      15.4859 - val_mean_absolute_error: 2.
    4212
394 Epoch 162/1000
    - 0s - loss: 3.5675 -
395
    mean_absolute_error: 1.2957 - val_loss
      15.5034 - val_mean_absolute_error: 2.
    3820
396 Epoch 163/1000
    - 0s - loss: 3.6060 -
397
    mean_absolute_error: 1.2962 - val_loss
      15.0549 - val_mean_absolute_error: 2.
    4616
398 Epoch 164/1000
    - 0s - loss: 3.4726
399
```

```
mean_absolute_error: 1.3086 - val_loss
399
      14.9061 - val_mean_absolute_error: 2.
    3588
400 Epoch 165/1000
    - 0s - loss: 3.6794 -
401
    mean_absolute_error: 1.3153 - val_loss
      13. 7839 - val_mean_absolute_error: 2.
    4864
402 Epoch 166/1000
403 - 0s - loss: 3.7371 -
    mean_absolute_error: 1.3539 - val_loss
     13.9673 - val_mean_absolute_error: 2.
    3452
404 Epoch 167/1000
    - 0s - loss: 3.3578
405 l
    mean_absolute_error: 1.2785 - val_loss
      14.4485 - val_mean_absolute_error: 2.
    4760
406 Epoch 168/1000
407 - 0s - loss: 3.3720 -
    mean_absolute_error: 1.2868 - val_loss
     14.1168 - val_mean_absolute_error: 2.
    4263
408 Epoch 169/1000
```

```
- 0s - loss: 3.3311 -
409
    mean_absolute_error: 1.2700 - val_loss
      14.1818 - val_mean_absolute_error: 2.
    4602
410 Epoch 170/1000
    - 0s - loss: 3.7841 -
411 l
    mean_absolute_error: 1.3124 - val_loss
      16.5750 - val_mean_absolute_error: 2.
    5096
412
413 Epoch 00170: val_mean_absolute_error
    did not improve from 2.40778
414 Epoch 171/1000
    - 0s - loss: 3.5035 -
415 l
    mean_absolute_error: 1.3032 - val_loss
      15.9505 - val_mean_absolute_error: 2.
    4628
416 Epoch 172/1000
    - 0s - loss: 3.4771 -
417 l
    mean_absolute_error: 1.2604 - val_loss
      13.5665 - val_mean_absolute_error: 2.
    5391
418 Epoch 173/1000
    - 0s - loss: 3.3360 -
419 I
```

```
419 mean_absolute_error: 1.2582 - val_loss
      15.5843 - val_mean_absolute_error: 2.
    4070
420 Epoch 174/1000
    - 0s - loss: 3.4872 -
421
    mean_absolute_error: 1.2901 - val_loss
      14. 3084 - val_mean_absolute_error: 2.
    3939
422 Epoch 175/1000
423 - 0s - loss: 3.4222 -
    mean_absolute_error: 1.2782 - val_loss
     13.7511 - val_mean_absolute_error: 2.
    4232
424 Epoch 176/1000
    - 0s - loss: 3.3319 -
425 l
    mean_absolute_error: 1.2399 - val_loss
      13.6530 - val_mean_absolute_error: 2.
    4643
426 Epoch 177/1000
427 - 0s - loss: 3.3470 -
    mean_absolute_error: 1.2410 - val_loss
     14.0897 - val_mean_absolute_error: 2.
    4139
428 Epoch 178/1000
```

```
- 0s - loss: 3.1792 -
429
    mean_absolute_error: 1.2286 - val_loss
     14.6261 - val_mean_absolute_error: 2.
    4106
430 Epoch 179/1000
    - 0s - loss: 3.3377 -
431
    mean_absolute_error: 1.2557 - val_loss
     15.8980 - val_mean_absolute_error: 2.
    5232
432 Epoch 180/1000
    - 0s - loss: 3.2160 -
433
    mean_absolute_error: 1.2167 - val loss
      14.7078 - val_mean_absolute_error: 2.
    4482
434
435 Epoch 00180: val_mean_absolute_error
    did not improve from 2.40778
436 Epoch 181/1000
    - 0s - loss: 3.4325 -
437
    mean_absolute_error: 1.2511 - val_loss
      15.5223 - val_mean_absolute_error: 2.
    6207
438 Epoch 182/1000
    - 0s - loss: 3.3135
439
```

```
mean_absolute_error: 1.2275 - val_loss
439
      13.6721 - val_mean_absolute_error: 2.
    4526
440 Epoch 183/1000
    - 0s - loss: 3.2691 -
441
    mean_absolute_error: 1.1872 - val_loss
      14.4087 - val_mean_absolute_error: 2.
    4031
442 Epoch 184/1000
443 - 0s - loss: 3.1561 -
    mean_absolute_error: 1.2373 - val_loss
     14.4410 - val_mean_absolute_error: 2.
    3893
444 Epoch 185/1000
    - 0s - loss: 3.1449 -
445 l
    mean_absolute_error: 1.2159 - val_loss
      14.0137 - val_mean_absolute_error: 2.
    4724
446 Epoch 186/1000
447 - 0s - loss: 3.1663 -
    mean_absolute_error: 1.2324 - val_loss
     13.9958 - val_mean_absolute_error: 2.
    4142
448 Epoch 187/1000
```

```
- 0s - loss: 3.2256 -
449
    mean_absolute_error: 1.2207 - val_loss
      14.0745 - val_mean_absolute_error: 2.
    3685
450 Epoch 188/1000
    - 0s - loss: 3.1972 -
451
    mean_absolute_error: 1.2269 - val_loss
     15.0055 - val_mean_absolute_error: 2.
    6795
452 Epoch 189/1000
    - 0s - loss: 3.2783 -
453 l
    mean_absolute_error: 1.2509 - val_loss
     14.3020 - val_mean_absolute_error: 2.
    4139
454 Epoch 190/1000
    - 0s - Loss: 3.0791 -
455
    mean_absolute_error: 1.1898 - val_loss
     15.0499 - val_mean_absolute_error: 2.
    3961
456
    Epoch 00190: val_mean_absolute_error
457
    improved from 2.40778 to 2.39609,
    saving model to ./model/model_Epoch0190
    -val_mean_absolute_error2.40.h5
```

460 Epoch 192/1000

8008

461 - 0s - loss: 3.4531 - mean_absolute_error: 1.3084 - val_loss : 14.7711 - val_mean_absolute_error: 2.5330

462 Epoch 193/1000

463 - 0s - loss: 3.1292 - mean_absolute_error: 1.2138 - val_loss : 14.5937 - val_mean_absolute_error: 2.4041

464 Epoch 194/1000

465 - 0s - loss: 3.0802 - mean_absolute_error: 1.1800 - val_loss : 14.6046 - val_mean_absolute_error: 2.4718

466 Epoch 195/1000

```
File - boston01
467 3340
468 Epoch 196/1000
469 - 0s - loss: 3.0579
    mean_absolute_error: 1.2232 - val_loss
     14.2280 - val_mean_absolute_error: 2.
    3048
470 Epoch 197/1000
471 - 0s - loss: 3.2301 -
    mean_absolute_error: 1.2337 - val_loss
     13.9735 - val_mean_absolute_error: 2.
    3674
472 Epoch 198/1000
473 - 0s - loss: 3.0111 -
    mean_absolute_error: 1.1821 - val_loss
     16.7211 - val_mean_absolute_error: 2.
    4829
474 Epoch 199/1000
475 - 0s - loss: 3.1437 -
    mean_absolute_error: 1.2537 - val_loss
      14.5429 - val_mean_absolute_error: 2.
    4753
476 Epoch 200/1000
477 - 0s - loss: 2.9201 -
    mean_absolute_error: 1.1577 - val_loss
```

```
14.4668 - val_mean_absolute_error: 2.
477
    5071
478
479 Epoch 00200: val_mean_absolute_error
    did not improve from 2.39609
480 Epoch 201/1000
    - 0s - loss: 2.8936
481
    mean_absolute_error: 1.2036 - val_loss
      15.0156 - val_mean_absolute_error: 2.
    7976
482 Epoch 202/1000
    - 0s - loss: 3.0635 -
483
    mean_absolute_error: 1.1905 - val_loss
      15. 3475 - val_mean_absolute_error: 2.
    4586
484 Epoch 203/1000
    - 0s - loss: 2.8836 -
485
    mean_absolute_error: 1.2086 - val_loss
      14.6499 - val_mean_absolute_error: 2.
    4464
486 Epoch 204/1000
    - 0s - loss: 3.0110 -
487
    mean_absolute_error: 1.2234 - val_loss
     15.2639 - val_mean_absolute_error: 2.
```

```
File - boston01
487 5076
488 Epoch 205/1000
     - 0s - loss: 3.0484
489
    mean_absolute_error: 1.1808 - val_loss
     15.3061 - val_mean_absolute_error: 2.
    3934
490 Epoch 206/1000
     - 0s - loss: 2.9857 -
491 l
    mean_absolute_error: 1.1822 - val_loss
     14.4578 - val_mean_absolute_error: 2.
    4569
492 Epoch 207/1000
493 - 0s - loss: 2.9652 -
    mean_absolute_error: 1.1830 - val_loss
     15.5116 - val_mean_absolute_error: 2.
    4508
494 Epoch 208/1000
     - 0s - loss: 3.0027 -
495 l
    mean_absolute_error: 1.1728 - val_loss
    : 16.9804 - val_mean_absolute_error: 2.
    5010
496 Epoch 209/1000
     - 0s - loss: 2.8897 -
497 I
    mean_absolute_error: 1.1776 - val_loss
```

```
14.4572 - val_mean_absolute_error: 2.
497
    3800
498 Epoch 210/1000
    - 0s - loss: 2.9027 -
499
    mean_absolute_error: 1.1639 - val_loss
     14.3953 - val_mean_absolute_error: 2.
    5886
500
   Epoch 00210: val_mean_absolute_error
501
    did not improve from 2.39609
502 Epoch 211/1000
    - 0s - loss: 2.8137 -
503 l
    mean_absolute_error: 1.1649 - val_loss
      16.7752 - val_mean_absolute_error: 2.
    4754
504 Epoch 212/1000
505 - 0s - loss: 2.8919 -
    mean_absolute_error: 1.1783 - val_loss
     14.8504 - val_mean_absolute_error: 2.
    6328
506 Epoch 213/1000
    - 0s - loss: 3.0066 -
507 l
    mean_absolute_error: 1.1837 - val_loss
     14.8868 - val_mean_absolute_error: 2.
```

```
File - boston01
507 5250
508 Epoch 214/1000
     - 0s - loss: 2.7766 -
509
    mean_absolute_error: 1.1697 - val_loss
     15.0705 - val_mean_absolute_error: 2.
    6104
510 Epoch 215/1000
511 - 0s - loss: 2.9782 -
    mean_absolute_error: 1.2100 - val_loss
      18.5210 - val_mean_absolute_error: 2.
    5921
512 Epoch 216/1000
513 - 0s - loss: 3.0009 -
    mean_absolute_error: 1.1735 - val_loss
     16.9730 - val_mean_absolute_error: 2.
    3997
514 Epoch 217/1000
515 - 0s - loss: 3.0105 -
    mean_absolute_error: 1.1824 - val_loss
    : 14.4091 - val_mean_absolute_error: 2.
    3876
516 Epoch 218/1000
517 - 0s - loss: 2.7362 -
    mean_absolute_error: 1.1455 - val_l<u>oss</u>
```

```
14.2837 - val_mean_absolute_error: 2.
517
    3787
518 Epoch 219/1000
    - 0s - loss: 2.7011 -
519
    mean_absolute_error: 1.1411 - val_loss
    : 17.6959 - val_mean_absolute_error: 2.
    6283
520 Epoch 220/1000
521
    - 0s - loss: 2.7318 -
    mean_absolute_error: 1.1455 - val_loss
      14.2764 - val_mean_absolute_error: 2.
    3704
522
523 Epoch 00220: val_mean_absolute_error
    improved from 2.39609 to 2.37044,
    saving model to ./model/model_Epoch0220
    -val_mean_absolute_error2.37.h5
524 Epoch 221/1000
    - 0s - loss: 2.6138 -
525
    mean_absolute_error: 1.1449 - val_loss
      14.9864 - val_mean_absolute_error: 2.
    3624
526 Epoch 222/1000
    - 0s - loss: 2.6574
527 l
```

```
527 mean_absolute_error: 1.1180 - val_loss
      16.6343 - val_mean_absolute_error: 2.
    3688
528 Epoch 223/1000
    - 0s - loss: 2.8195 -
529
    mean_absolute_error: 1.1688 - val_loss
      15. 1107 - val_mean_absolute_error: 2.
    3773
530 Epoch 224/1000
531 - 0s - loss: 2.7440 -
    mean_absolute_error: 1.1254 - val_loss
     15.2954 - val_mean_absolute_error: 2.
    3837
532 Epoch 225/1000
    - 0s - loss: 2.7820
533
    mean_absolute_error: 1.1146 - val_loss
     15.2769 - val_mean_absolute_error: 2.
    6157
534 Epoch 226/1000
    - 0s - loss: 2.6032 -
535 l
    mean_absolute_error: 1.1488 - val_loss
     14.2633 - val_mean_absolute_error: 2.
    3651
536 Epoch 227/1000
```

```
- 0s - loss: 2.7146 -
537
    mean_absolute_error: 1.1339 - val_loss
      17.8000 - val_mean_absolute_error: 2.
    4554
538 Epoch 228/1000
    - 0s - loss: 2.7311 -
539
    mean_absolute_error: 1.1468 - val_loss
    15.5700 - val_mean_absolute_error: 2.
    3963
540 Epoch 229/1000
541 - 0s - loss: 2.5778 -
    mean_absolute_error: 1.1225 - val_loss
    : 15.2746 - val_mean_absolute_error: 2.
    3713
542 Epoch 230/1000
543
    - 0s - loss: 2.7418 -
    mean_absolute_error: 1.1692 - val_loss
     15.0234 - val_mean_absolute_error: 2.
    3743
544
   Epoch 00230: val_mean_absolute_error
545
    did not improve from 2.37044
546 Epoch 231/1000
    - 0s - loss: 2.6191
547 I
```

```
547 mean_absolute_error: 1.1256 - val_loss
      15.2519 - val_mean_absolute_error: 2.
    4820
548 Epoch 232/1000
    - 0s - loss: 2.7957 -
549 l
    mean_absolute_error: 1.1661 - val_loss
      14. 9350 - val_mean_absolute_error: 2.
    3477
550 Epoch 233/1000
551 - Os - Loss: 2.5147 -
    mean_absolute_error: 1.1031 - val_loss
     15.3568 - val_mean_absolute_error: 2.
    7102
552 Epoch 234/1000
    - 0s - loss: 2.6380
553
    mean_absolute_error: 1.1422 - val_loss
      14.9703 - val_mean_absolute_error: 2.
    3754
554 Epoch 235/1000
    - 0s - loss: 2.6223 -
555 l
    mean_absolute_error: 1.1284 - val_loss
     15.6622 - val_mean_absolute_error: 2.
    3686
556 Epoch 236/1000
```

```
- 0s - loss: 2.5740 -
557
    mean_absolute_error: 1.1127 - val_loss
      14.2099 - val_mean_absolute_error: 2.
    4605
558 Epoch 237/1000
559 - 0s - loss: 2.5873 -
    mean_absolute_error: 1.1246 - val_loss
    15.8376 - val_mean_absolute_error: 2.
    3912
560 Epoch 238/1000
561 - 0s - loss: 2.7348 -
    mean_absolute_error: 1.1609 - val_loss
    : 14.4543 - val_mean_absolute_error: 2.
    3517
562 Epoch 239/1000
    - 0s - loss: 2.4589 -
563
    mean_absolute_error: 1.0827 - val_loss
    14.9896 - val_mean_absolute_error: 2.
    3719
564 Epoch 240/1000
    - 0s - loss: 2.4529 -
565 l
    mean_absolute_error: 1.0630 - val_loss
      15.6208 - val_mean_absolute_error: 2.
    3508
```

```
566
```

```
Epoch 00240: val_mean_absolute_error
567
    improved from 2.37044 to 2.35075,
    saving model to ./model/model_Epoch0240
    -val_mean_absolute_error2.35.h5
568 Epoch 241/1000
    - 0s - loss: 2.6008 -
569 I
    mean_absolute_error: 1.1054 - val_loss
      15.1442 - val_mean_absolute_error: 2.
    5803
570 Epoch 242/1000
    - 0s - loss: 2.5024 -
571 l
    mean_absolute_error: 1.0556 - val_loss
      16. 2678 - val_mean_absolute_error: 2.
    4531
572 Epoch 243/1000
573 - 0s - loss: 2.5392 -
    mean_absolute_error: 1.1391 - val_loss
      15.8161 - val_mean_absolute_error: 2.
    3862
574 Epoch 244/1000
    - 0s - loss: 2.5439
575 l
    mean_absolute_error: 1.1179 - val_loss
     15.7646 - val_mean_absolute_error: 2.
```

```
File - boston01
575 3813
576 Epoch 245/1000
577 - 0s - loss: 2.5994
    mean_absolute_error: 1.1413 - val_loss
     15.3936 - val_mean_absolute_error: 2.
    4186
578 Epoch 246/1000
579 - Os - Loss: 2.4311 -
    mean_absolute_error: 1.0650 - val_loss
     14.8946 - val_mean_absolute_error: 2.
    4055
580 Epoch 247/1000
     - 0s - loss: 2.5681 -
581 I
    mean_absolute_error: 1.0986 - val_loss
     14.8327 - val_mean_absolute_error: 2.
    4875
582 Epoch 248/1000
     - Os - loss: 2.4337 -
583
    mean_absolute_error: 1.0475 - val_loss
    : 15.8474 - val_mean_absolute_error: 2.
    3294
584 Epoch 249/1000
     - 0s - loss: 2.3942 -
585
    mean_absolute_error: 1.0954 - val_loss
```

```
15.0135 - val_mean_absolute_error: 2.
585
    7257
586 Epoch 250/1000
    - 0s - loss: 2.4322 -
587
    mean_absolute_error: 1.1058 - val_loss
      14.9843 - val_mean_absolute_error: 2.
    3462
588
    Epoch 00250: val_mean_absolute_error
589
    improved from 2.35075 to 2.34617,
    saving model to ./model/model_Epoch0250
    -val_mean_absolute_error2.35.h5
590 Epoch 251/1000
    - 0s - loss: 2.4432 -
591
    mean_absolute_error: 1.0795 - val_loss
      15.1566 - val_mean_absolute_error: 2.
    3375
592 Epoch 252/1000
    - 0s - loss: 2.4293 -
593
    mean_absolute_error: 1.1008 - val_loss
      15.0765 - val_mean_absolute_error: 2.
    6591
594 Epoch 253/1000
    - 0s - loss: 2.6142
595
```

```
595 mean_absolute_error: 1.1886 - val_loss
      14.4562 - val_mean_absolute_error: 2.
    5125
596 Epoch 254/1000
    - 0s - loss: 2.4505 -
597 l
    mean_absolute_error: 1.0981 - val_loss
      15.0649 - val_mean_absolute_error: 2.
    3752
598 Epoch 255/1000
599 - 0s - loss: 2.5812 -
    mean_absolute_error: 1.1018 - val_loss
     15.1408 - val_mean_absolute_error: 2.
    3436
600 Epoch 256/1000
    - 0s - loss: 2.2909 -
601 l
    mean_absolute_error: 1.0618 - val_loss
     15.7782 - val_mean_absolute_error: 2.
    4280
602 Epoch 257/1000
    - 0s - loss: 2.5267 -
603
    mean_absolute_error: 1.1237 - val_loss
     15.7746 - val_mean_absolute_error: 2.
    3268
604 Epoch 258/1000
```

```
- 0s - loss: 2.3111 -
605
    mean_absolute_error: 1.0357 - val_loss
      15.1759 - val_mean_absolute_error: 2.
    5407
606 Epoch 259/1000
607 - 0s - loss: 2.4841 -
    mean_absolute_error: 1.0939 - val_loss
     15.6691 - val_mean_absolute_error: 2.
    5940
608 Epoch 260/1000
    - 0s - loss: 2.5196 -
609 l
    mean_absolute_error: 1.0986 - val_loss
      14.4459 - val_mean_absolute_error: 2.
    5220
610
   Epoch 00260: val_mean_absolute_error
    did not improve from 2.34617
612 Epoch 261/1000
    - 0s - loss: 2.3573 -
613 l
    mean_absolute_error: 1.0628 - val_loss
      15.0700 - val_mean_absolute_error: 2.
    7376
614 Epoch 262/1000
    - 0s - loss: 2.3871
615
```

```
615 mean_absolute_error: 1.1054 - val_loss
      14.6402 - val_mean_absolute_error: 2.
    3826
616 Epoch 263/1000
    - 0s - loss: 2.3120 -
617 I
    mean_absolute_error: 1.0613 - val_loss
      15.3541 - val_mean_absolute_error: 2.
    3853
618 Epoch 264/1000
619 - 0s - loss: 2.2637 -
    mean_absolute_error: 1.0607 - val_loss
     14.9011 - val_mean_absolute_error: 2.
    3870
620 Epoch 265/1000
    - 0s - loss: 2.2324 -
621
    mean_absolute_error: 1.0240 - val_loss
     14.7012 - val_mean_absolute_error: 2.
    3817
622 Epoch 266/1000
623 - 0s - loss: 2.3545 -
    mean_absolute_error: 1.0780 - val_loss
      14.7826 - val_mean_absolute_error: 2.
    4492
624 Epoch 267/1000
```

```
- 0s - loss: 2.4608 -
625
    mean_absolute_error: 1.0838 - val_loss
      14.9630 - val_mean_absolute_error: 2.
    5956
626 Epoch 268/1000
627 - 0s - loss: 2.2883 -
    mean_absolute_error: 1.0278 - val_loss
     14.7649 - val_mean_absolute_error: 2.
    5545
628 Epoch 269/1000
    - 0s - loss: 2.1454 -
629
    mean_absolute_error: 1.0071 - val_loss
      14.0932 - val_mean_absolute_error: 2.
    5414
630 Epoch 270/1000
    - 0s - Loss: 2.4364 -
631
    mean_absolute_error: 1.0835 - val_loss
      14.7341 - val_mean_absolute_error: 2.
    2787
632
   Epoch 00270: val_mean_absolute_error
633
    improved from 2.34617 to 2.27868,
    saving model to ./model/model_Epoch0270
    -val_mean_absolute_error2.28.h5
```

636 Epoch 272/1000

3278

- 637 Os Loss: 2.1714 mean_absolute_error: 1.0398 val_loss : 14.8482 val_mean_absolute_error: 2.6968
- 638 Epoch 273/1000
- 639 Os Loss: 2.4665 mean_absolute_error: 1.0828 val_loss : 14.4018 val_mean_absolute_error: 2.4534
- 640 Epoch 274/1000
- mean_absolute_error: 0.9815 val_loss: 15.1314 val_mean_absolute_error: 2.5856
- 642 Epoch 275/1000
- 0s loss: 2.3871 mean_absolute_error: 1.0624 val_loss: 15.1847 val_mean_absolute_error: 2.

```
File - boston01
643 4384
644 Epoch 276/1000
645 - 0s - loss: 2.2599
    mean_absolute_error: 1.0364 - val_loss
     14.0145 - val_mean_absolute_error: 2.
    5249
646 Epoch 277/1000
647 - 0s - loss: 2.2694 -
    mean_absolute_error: 1.0616 - val_loss
      14.8227 - val_mean_absolute_error: 2.
    2997
648 Epoch 278/1000
649 - 0s - loss: 2.1846 -
    mean_absolute_error: 1.0295 - val_loss
    : 14.9187 - val_mean_absolute_error: 2.
    3189
650 Epoch 279/1000
651 - 0s - loss: 2.2912 -
    mean_absolute_error: 1.0752 - val_loss
     14.7807 - val_mean_absolute_error: 2.
    4501
652 Epoch 280/1000
     - 0s - loss: 2.2902 -
653
    mean_absolute_error: 1.0519 - val_l<u>oss</u>
```

```
15.8950 - val_mean_absolute_error: 2.
653
    3306
654
655 Epoch 00280: val_mean_absolute_error
    did not improve from 2.27868
656 Epoch 281/1000
    - 0s - loss: 2.2105
657 I
    mean_absolute_error: 1.0388 - val_loss
      17.8994 - val_mean_absolute_error: 2.
    4921
658 Epoch 282/1000
    - 0s - loss: 2.0899 -
659
    mean_absolute_error: 1.0078 - val_loss
      17.7121 - val_mean_absolute_error: 2.
    7148
660 Epoch 283/1000
    - 0s - Loss: 2.4057 -
661
    mean_absolute_error: 1.0730 - val_loss
     15.2407 - val_mean_absolute_error: 2.
    6461
662 Epoch 284/1000
    - 0s - loss: 2.1966 -
663
    mean_absolute_error: 1.0299 - val_loss
     15.8173 - val_mean_absolute_error: 2.
```

```
File - boston01
663 3053
664 Epoch 285/1000
     - 0s - loss: 2.2464
665
    mean_absolute_error: 1.0205 - val_loss
     15.0818 - val_mean_absolute_error: 2.
    4386
666 Epoch 286/1000
     - 0s - loss: 2.1356 -
667
    mean_absolute_error: 1.0381 - val_loss
      16.1439 - val_mean_absolute_error: 2.
    4709
668 Epoch 287/1000
669 - 0s - loss: 2.2523 -
    mean_absolute_error: 1.0469 - val_loss
     17.3776 - val_mean_absolute_error: 2.
    6685
670 Epoch 288/1000
671 - 0s - loss: 2.3984 -
    mean_absolute_error: 1.0609 - val_loss
    : 17.4644 - val_mean_absolute_error: 2.
    4816
672 Epoch 289/1000
     - 0s - loss: 2.2076 -
673 l
    mean_absolute_error: 1.0211 - val_loss
```

```
14.8777 - val_mean_absolute_error: 2.
673
    4257
674 Epoch 290/1000
    - 0s - loss: 2.1017 -
675
    mean_absolute_error: 1.0165 - val_loss
      15.0906 - val_mean_absolute_error: 2.
    3026
676
    Epoch 00290: val_mean_absolute_error
677
    did not improve from 2.27868
678 Epoch 291/1000
    - 0s - loss: 2.1869 -
679
    mean_absolute_error: 1.0559 - val_loss
      14.0647 - val_mean_absolute_error: 2.
    4907
680 Epoch 292/1000
    - 0s - loss: 2.0737 -
681
    mean_absolute_error: 0.9896 - val_loss
     15.5242 - val_mean_absolute_error: 2.
    2783
682 Epoch 293/1000
    - 0s - loss: 2.3725 -
683
    mean_absolute_error: 1.0535 - val_loss
     15.0866 - val_mean_absolute_error: 2.
```

```
File - boston01
683 2942
684 Epoch 294/1000
     - 0s - loss: 2.0685
685
    mean_absolute_error: 0.9988 - val_loss
      14.8762 - val_mean_absolute_error: 2.
    3743
686 Epoch 295/1000
     - 0s - loss: 2.2338
687
    mean_absolute_error: 1.0566 - val_loss
      15.0452 - val_mean_absolute_error: 2.
    7630
688 Epoch 296/1000
     - 0s - loss: 2.4116_-
689 I
    mean_absolute_error: 1.0665 - val_loss
     15.9036 - val_mean_absolute_error: 2.
    3368
690 Epoch 297/1000
     - 0s - loss: 2.0992 -
691
    mean_absolute_error: 0.9957 - val_loss
    : 14.5506 - val_mean_absolute_error: 2.
    3696
692 Epoch 298/1000
     - 0s - loss: 2.0936 -
693
    mean_absolute_error: 1.0134 - val_loss
```

```
15.2790 - val_mean_absolute_error: 2.
693
    2898
694 Epoch 299/1000
    - 0s - loss: 2.1483 -
695
    mean_absolute_error: 1.0230 - val_loss
     14.8111 - val_mean_absolute_error: 2.
    4009
696 Epoch 300/1000
697
    - 0s - loss: 2.1265 -
    mean_absolute_error: 1.0240 - val_loss
      14.7192 - val_mean_absolute_error: 2.
    2983
698
   Epoch 00300: val_mean_absolute_error
699
    did not improve from 2.27868
700 Epoch 301/1000
701 - 0s - loss: 2.2190 -
    mean_absolute_error: 1.0188 - val_loss
     14.4182 - val_mean_absolute_error: 2.
    3559
702 Epoch 302/1000
    - 0s - loss: 2.1514 -
703 l
    mean_absolute_error: 0.9979 - val_loss
     14.3621 - val_mean_absolute_error: 2.
```

```
File - boston01
703 4411
704 Epoch 303/1000
     - 0s - loss: 2.0215 -
705
    mean_absolute_error: 1.0100 - val_loss
     14.2522 - val_mean_absolute_error: 2.
    4251
706 Epoch 304/1000
707 - 0s - loss: 1.9900 -
    mean_absolute_error: 0.9877 - val_loss
     14.7882 - val_mean_absolute_error: 2.
    3899
708 Epoch 305/1000
709 - 0s - loss: 2.0423 -
    mean_absolute_error: 1.0051 - val_loss
     14.9730 - val_mean_absolute_error: 2.
    5850
710 Epoch 306/1000
711 - 0s - Loss: 2.2166 -
    mean_absolute_error: 1.0324 - val_loss
     14.2201 - val_mean_absolute_error: 2.
    4896
712 Epoch 307/1000
713 - 0s - loss: 2.0770 -
    mean_absolute_error: 0.9913 - val_l<u>oss</u>
```

```
713 : 14.1805 - val_mean_absolute_error: 2.
    3132
714 Epoch 308/1000
715 - 0s - loss: 1.9095 -
    mean_absolute_error: 0.9435 - val_loss
      15.3982 - val_mean_absolute_error: 2.
    5432
716 Epoch 309/1000
717 - 0s - loss: 2.1437 -
    mean_absolute_error: 1.0149 - val_loss
     15.0632 - val_mean_absolute_error: 2.
    3842
718 Epoch 310/1000
719 - 0s - loss: 2.0585 -
    mean_absolute_error: 0.9797 - val_loss
      17.7830 - val_mean_absolute_error: 2.
    5849
720
   Epoch 00310: val_mean_absolute_error
721
    did not improve from 2.27868
722 Epoch 311/1000
723 - 0s - loss: 2.1620 -
    mean_absolute_error: 1.0164 - val_loss
     18.3972 - val_mean_absolute_error: 2.
```

```
: 15.2359 - val_mean_absolute_error: 2.
733
    3019
734 Epoch 317/1000
    - 0s - loss: 1.9706 -
735 l
    mean_absolute_error: 1.0049 - val_loss
    : 17.0828 - val_mean_absolute_error: 2.
    6797
736 Epoch 318/1000
    - 0s - loss: 2.0393 -
737 |
    mean_absolute_error: 0.9737 - val_loss
      15.0948 - val_mean_absolute_error: 2.
    6181
738 Epoch 319/1000
    - 0s - loss: 1.9211 -
739
    mean_absolute_error: 0.9437 - val_loss
      15.2936 - val_mean_absolute_error: 2.
    3663
740 Epoch 320/1000
    - 0s - loss: 2.0960 -
741
    mean_absolute_error: 1.0314 - val_loss
      14.3546 - val_mean_absolute_error: 2.
    2714
742
    Epoch 00320: val_mean_absolute_error
743
```

```
743 improved from 2.27868 to 2.27145,
    saving model to ./model/model_Epoch0320
    -val_mean_absolute_error2.27.h5
744 Epoch 321/1000
745 l
    - 0s - loss: 1.9044 -
    mean_absolute_error: 0.9583 - val_loss
      16.3305 - val_mean_absolute_error: 2.
    4341
746 Epoch 322/1000
747 - 0s - loss: 2.1304 -
    mean_absolute_error: 1.0233 - val_loss
      14.6590 - val_mean_absolute_error: 2.
    5445
748 Epoch 323/1000
    - 0s - loss: 1.9075 -
749 l
    mean_absolute_error: 0.9564 - val_loss
     15.1806 - val_mean_absolute_error: 2.
    2832
750 Epoch 324/1000
    - 0s - loss: 2.0301 -
751 l
    mean_absolute_error: 0.9918 - val_loss
     13.9229 - val_mean_absolute_error: 2.
    5236
752 Epoch 325/1000
```

```
- 0s - loss: 1.9731 -
753
    mean_absolute_error: 0.9991 - val_loss
     14.6705 - val_mean_absolute_error: 2.
    3190
754 Epoch 326/1000
    - 0s - loss: 1.9225 -
755 l
    mean_absolute_error: 0.9350 - val_loss
      14.5299 - val_mean_absolute_error: 2.
    4179
756 Epoch 327/1000
757 - 0s - loss: 1.9881 -
    mean_absolute_error: 0.9949 - val_loss
      14.5081 - val_mean_absolute_error: 2.
    2974
758 Epoch 328/1000
    - 0s - Loss: 1.7965 -
759
    mean_absolute_error: 0.9291 - val_loss
     13.3162 - val_mean_absolute_error: 2.
    3665
760 Epoch 329/1000
    - 0s - loss: 1.9571 -
761
    mean_absolute_error: 0.9876 - val_loss
      14.3532 - val_mean_absolute_error: 2.
```

- 765 Epoch 00330: val_mean_absolute_error did not improve from 2.27145
- 766 Epoch 331/1000
- 767 Os Loss: 2.1491 mean_absolute_error: 1.0649 val_loss: 14.2655 val_mean_absolute_error: 2.4132
- 768 Epoch 332/1000
- 769 Os Loss: 1.8056 mean_absolute_error: 0.9295 val_loss : 15.8299 val_mean_absolute_error: 2.3233
- 770 Epoch 333/1000
- 771 0s loss: 1.8669 mean_absolute_error: 0.9938 val_loss : 14.6616 val_mean_absolute_error: 2.3220
- 772 Epoch 334/1000

```
- 0s - loss: 1.9868 -
773
    mean_absolute_error: 1.0057 - val_loss
      15.2658 - val_mean_absolute_error: 2.
    4762
774 Epoch 335/1000
775 - 0s - loss: 2.0014 -
    mean_absolute_error: 0.9835 - val_loss
     14.0339 - val_mean_absolute_error: 2.
    5222
776 Epoch 336/1000
777 - 0s - loss: 1.8816 -
    mean_absolute_error: 0.9597 - val_loss
     14.8914 - val_mean_absolute_error: 2.
    2979
778 Epoch 337/1000
779
    - 0s - Loss: 1.8513 -
    mean_absolute_error: 0.9512 - val_loss
     13.9345 - val_mean_absolute_error: 2.
    5279
780 Epoch 338/1000
    - 0s - loss: 1.8177 -
781
    mean_absolute_error: 0.9484 - val_loss
     14.7740 - val_mean_absolute_error: 2.
    3942
```

```
782 Epoch 339/1000
    - 0s - loss: 1.8739 -
783
    mean_absolute_error: 0.9610 - val_loss
      14.3029 - val_mean_absolute_error: 2.
    4728
784 Epoch 340/1000
785 - 0s - loss: 1.9201 -
    mean_absolute_error: 0.9598 - val_loss
      15.3677 - val_mean_absolute_error: 2.
    3744
786
787 Epoch 00340: val_mean_absolute_error
    did not improve from 2.27145
788 Epoch 341/1000
    - 0s - loss: 1.8761
789
    mean_absolute_error: 0.9605 - val_loss
     14.2186 - val_mean_absolute_error: 2.
    3111
790 Epoch 342/1000
    - 0s - loss: 1.9512 -
791 l
    mean_absolute_error: 0.9631 - val_loss
     16.1321 - val_mean_absolute_error: 2.
```

792 Epoch 343/1000

3997

```
- 0s - loss: 1.7205 -
793
    mean_absolute_error: 0.9050 - val_loss
      14.8216 - val_mean_absolute_error: 2.
    5433
794 Epoch 344/1000
    - 0s - loss: 1.8581 -
795
    mean_absolute_error: 0.9509 - val_loss
     14.5676 - val_mean_absolute_error: 2.
    3571
796 Epoch 345/1000
797 - 0s - loss: 1.8681 -
    mean_absolute_error: 0.9185 - val_loss
      14.2676 - val_mean_absolute_error: 2.
    2742
798 Epoch 346/1000
    - 0s - Loss: 1.8569 -
799
    mean_absolute_error: 0.9499 - val_loss
      16.2703 - val_mean_absolute_error: 2.
    5774
800 Epoch 347/1000
    - 0s - loss: 1.8741 -
801
    mean_absolute_error: 0.9380 - val_loss
     16.2111 - val_mean_absolute_error: 2.
    7778
```

```
mean_absolute_error: 0.9425 - val_loss
: 17.4362 - val_mean_absolute_error: 2.
7120
812 Epoch 352/1000
```

```
- 0s - loss: 1.7342 -
813
    mean_absolute_error: 0.9100 - val_loss
      15.1502 - val_mean_absolute_error: 2.
    3620
814 Epoch 353/1000
815 - 0s - loss: 1.9354 -
    mean_absolute_error: 0.9664 - val_loss
     15.0888 - val_mean_absolute_error: 2.
    5070
816 Epoch 354/1000
817 - 0s - loss: 1.7956 -
    mean_absolute_error: 0.9404 - val_loss
    : 14.3861 - val_mean_absolute_error: 2.
    3516
818 Epoch 355/1000
    - 0s - loss: 1.8224 -
819 l
    mean_absolute_error: 0.9497 - val_loss
    14.7000 - val_mean_absolute_error: 2.
    3006
820 Epoch 356/1000
    - 0s - loss: 1.8560 -
821
    mean_absolute_error: 0.9431 - val_loss
     14.7024 - val_mean_absolute_error: 2.
    5029
```

830
831 Epoch 00360: val_mean_absolute_error did not improve from 2.27145

832 Epoch 361/1000

```
- 0s - loss: 1.7373 -
833
    mean_absolute_error: 0.9016 - val_loss
      18.0600 - val_mean_absolute_error: 2.
    5907
834 Epoch 362/1000
835
    - 0s - loss: 1.7415 -
    mean_absolute_error: 0.9031 - val_loss
     14.2965 - val_mean_absolute_error: 2.
    5967
836 Epoch 363/1000
837 - 0s - loss: 1.6634 -
    mean_absolute_error: 0.9207 - val_loss
     17.7203 - val_mean_absolute_error: 2.
    6326
838 Epoch 364/1000
    - 0s - Loss: 1.7729 -
839
    mean_absolute_error: 0.9331 - val_loss
      13.7977 - val_mean_absolute_error: 2.
    2670
840 Epoch 365/1000
    - 0s - loss: 1.8562 -
841
    mean_absolute_error: 0.9745 - val_loss
      14.5467 - val_mean_absolute_error: 2.
    3383
```

```
842 Epoch 366/1000
     - 0s - Loss: 1.8979 -
843
    mean_absolute_error: 0.9670 - val_loss
      13.8036 - val_mean_absolute_error: 2.
    5750
844 Epoch 367/1000
    - 0s - loss: 1.8435
845
    mean_absolute_error: 0.9378 - val_loss
      14.6135 - val_mean_absolute_error: 2.
    4277
846 Epoch 368/1000
    - 0s - loss: 1.6278 -
847
    mean_absolute_error: 0.8752 - val_loss
      16.4540 - val_mean_absolute_error: 2.
    7027
848 Epoch 369/1000
    - 0s - loss: 1.7783 -
849
    mean_absolute_error: 0.9456 - val_loss
     14.2592 - val_mean_absolute_error: 2.
    4673
850 Epoch 370/1000
    - 0s - loss: 1.7151
851
    mean_absolute_error: 0.9234 - val_loss
     17.0673 - val_mean_absolute_error: 2.
```

```
File - boston01
851 4163
852
853 Epoch 00370: val_mean_absolute_error
    did not improve from 2.27145
854 Epoch 371/1000
     - 0s - loss: 1.7692 -
855
    mean_absolute_error: 0.9461 - val_loss
      15.7099 - val_mean_absolute_error: 2.
    3627
856 Epoch 372/1000
857 - 0s - loss: 1.6933 -
    mean_absolute_error: 0.9023 - val_loss
    : 15.2886 - val_mean_absolute_error: 2.
    2896
858 Epoch 373/1000
     - 0s - loss: 1.7778 -
859
    mean_absolute_error: 0.9383 - val_loss
     16.2587 - val_mean_absolute_error: 2.
    7210
860 Epoch 374/1000
861
     - 0s - loss: 1.6023 -
    mean_absolute_error: 0.8796 - val_loss
      15.8011 - val_mean_absolute_error: 2.
    5128
```

864 Epoch 376/1000

4034

865 - Os - Loss: 1.6783 - mean_absolute_error: 0.8907 - val_loss: 13.9359 - val_mean_absolute_error: 2.5030

14.4902 - val_mean_absolute_error: 2.

866 Epoch 377/1000

867 - 0s - loss: 1.6818 - mean_absolute_error: 0.8767 - val_loss : 13.7573 - val_mean_absolute_error: 2.3566

868 Epoch 378/1000

869 - 0s - loss: 1.6994 - mean_absolute_error: 0.9062 - val_loss : 15.8080 - val_mean_absolute_error: 2.4070

870 Epoch 379/1000

mean_absolute_error: 0.9031 - val_loss: 14.7378 - val_mean_absolute_error: 2.

```
File - boston01
871 3622
872 Epoch 380/1000
     - 0s - loss: 1.6416 -
873
    mean_absolute_error: 0.8921 - val_loss
      14.9661 - val_mean_absolute_error: 2.
    2872
874
875 Epoch 00380: val_mean_absolute_error
    did not improve from 2.27145
876 Epoch 381/1000
877 - 0s - loss: 1.6134 -
    mean_absolute_error: 0.9259 - val_loss
    : 16.5761 - val_mean_absolute_error: 2.
    3802
878 Epoch 382/1000
     - 0s - loss: 1.6450 -
879
    mean_absolute_error: 0.9083 - val_loss
     17.4253 - val_mean_absolute_error: 2.
    6104
880 Epoch 383/1000
     - 0s - loss: 1.7753 -
881
    mean_absolute_error: 0.9175 - val_loss
     14.6023 - val_mean_absolute_error: 2.
    2901
```

890 Epoch 388/1000 891 - Os - Loss: 1.6807 - mean_absolute_error: 0.9047 - val_loss : 15.9110 - val_mean_absolute_error: 2.

```
File - boston01
891 4242
892 Epoch 389/1000
     - 0s - loss: 1.6043
893
    mean_absolute_error: 0.8894 - val_loss
      14.4427 - val_mean_absolute_error: 2.
    4179
894 Epoch 390/1000
895
     - 0s - loss: 1.5820
    mean_absolute_error: 0.8699 - val_loss
      14.6783 - val_mean_absolute_error: 2.
    3482
896
    Epoch 00390: val_mean_absolute_error
897
    did not improve from 2.27145
898 Epoch 391/1000
     - 0s - loss: 1.5256 -
899
    mean_absolute_error: 0.8605 - val_loss
      14.9009 - val_mean_absolute_error: 2.
    5439
900 Epoch 392/1000
901
     - 0s - loss: 1.7398 -
    mean_absolute_error: 0.9394 - val_loss
      14.9995 - val_mean_absolute_error: 2.
    2908
```

```
902 Epoch 393/1000
    - 0s - loss: 1.5851 -
903
    mean_absolute_error: 0.8801 - val_loss
      13.7876 - val_mean_absolute_error: 2.
    4453
904 Epoch 394/1000
905 - 0s - loss: 1.5952
    mean_absolute_error: 0.8765 - val_loss
      17.4869 - val_mean_absolute_error: 2.
    8696
906 Epoch 395/1000
    - 0s - loss: 1.8694 -
907 l
    mean_absolute_error: 0.9696 - val_loss
      14.7726 - val_mean_absolute_error: 2.
    4959
908 Epoch 396/1000
    - 0s - loss: 1.6441 -
909
    mean_absolute_error: 0.8979 - val_loss
     14.5916 - val_mean_absolute_error: 2.
    3750
910 Epoch 397/1000
    - 0s - loss: 1.5268
911
    mean_absolute_error: 0.8862 - val_loss
     14.0669 - val_mean_absolute_error: 2.
```

```
File - boston01
911 5606
912 Epoch 398/1000
     - 0s - loss: 1.5578 -
913 l
    mean_absolute_error: 0.8837 - val_loss
      15.1865 - val_mean_absolute_error: 2.
    6333
914 Epoch 399/1000
915 - 0s - loss: 1.4553 -
    mean_absolute_error: 0.8553 - val_loss
     14.7731 - val_mean_absolute_error: 2.
    3964
916 Epoch 400/1000
917 - 0s - loss: 1.6244 -
    mean_absolute_error: 0.8785 - val_loss
      14.2019 - val_mean_absolute_error: 2.
    3783
918
919 Epoch 00400: val_mean_absolute_error
    did not improve from 2.27145
920 Epoch 401/1000
     - 0s - loss: 1.5265 -
921
    mean_absolute_error: 0.8490 - val_loss
      15.8551 - val_mean_absolute_error: 2.
    3821
```

```
922 Epoch 402/1000
    - 0s - loss: 1.5826 -
923
    mean_absolute_error: 0.8850 - val_loss
      14.8380 - val_mean_absolute_error: 2.
    4585
924 Epoch 403/1000
925 - 0s - loss: 1.5689 -
    mean_absolute_error: 0.8784 - val_loss
      16.1503 - val_mean_absolute_error: 2.
    6888
926 Epoch 404/1000
927 - 0s - loss: 1.6717 -
    mean_absolute_error: 0.8748 - val_loss
      15.4891 - val_mean_absolute_error: 2.
    6911
928 Epoch 405/1000
929 - 0s - loss: 1.6368 -
    mean_absolute_error: 0.9024 - val_loss
     14.3793 - val_mean_absolute_error: 2.
    5549
930 Epoch 406/1000
    - 0s - loss: 1.6422 -
931
    mean_absolute_error: 0.9109 - val_loss
     14.6986 - val_mean_absolute_error: 2.
```

```
File - boston01
931 4378
932 Epoch 407/1000
     - 0s - loss: 1.5637
933
    mean_absolute_error: 0.8966 - val_loss
      14.7807 - val_mean_absolute_error: 2.
    3559
934 Epoch 408/1000
     - 0s - loss: 1.4094 -
935
    mean_absolute_error: 0.8402 - val_loss
      14.4485 - val_mean_absolute_error: 2.
    6064
936 Epoch 409/1000
937 - 0s - loss: 1.6170 -
    mean_absolute_error: 0.9259 - val_loss
     14.0215 - val_mean_absolute_error: 2.
    5840
938 Epoch 410/1000
     - 0s - loss: 1.5577 -
939
    mean_absolute_error: 0.8695 - val_loss
      15.3784 - val_mean_absolute_error: 2.
    4607
940
    Epoch 00410: val_mean_absolute_error
941
    did not improve from 2.27145
```

```
942 Epoch 411/1000
    - 0s - loss: 1.5460 -
943
    mean_absolute_error: 0.8509 - val_loss
      16.1367 - val_mean_absolute_error: 2.
    4798
944 Epoch 412/1000
945 - 0s - loss: 1.5820 -
    mean_absolute_error: 0.9083 - val_loss
     17.1534 - val_mean_absolute_error: 2.
    5110
946 Epoch 413/1000
    - 0s - loss: 1.5085 -
947
    mean_absolute_error: 0.8568 - val_loss
     17.6400 - val_mean_absolute_error: 2.
    6912
948 Epoch 414/1000
    - 0s - loss: 1.5304 -
949
    mean_absolute_error: 0.8518 - val_loss
     15.8153 - val_mean_absolute_error: 2.
    6365
950 Epoch 415/1000
    - 0s - loss: 1.5678
951
    mean_absolute_error: 0.8866 - val_loss
     14.6939 - val_mean_absolute_error: 2
```

```
File - boston01
951 3698
952 Epoch 416/1000
     - 0s - loss: 1.5667
953
    mean_absolute_error: 0.8612 - val_loss
     17.1003 - val_mean_absolute_error: 2.
    4815
954 Epoch 417/1000
955
     - 0s - loss: 1.4598 -
    mean_absolute_error: 0.8221 - val_loss
      16.0915 - val_mean_absolute_error: 2.
    4349
956 Epoch 418/1000
957 - 0s - loss: 1.5152 -
    mean_absolute_error: 0.8594 - val_loss
     15.1858 - val_mean_absolute_error: 2.
    8329
958 Epoch 419/1000
     - 0s - loss: 1.6595
959
    mean_absolute_error: 0.8497 - val_loss
    : 14.8521 - val_mean_absolute_error: 2.
    3951
960 Epoch 420/1000
     - 0s - loss: 1.5403 -
961
    mean_absolute_error: 0.8789 - val_loss
```

```
16.9877 - val_mean_absolute_error: 2.
961
    5383
962
963 Epoch 00420: val_mean_absolute_error
    did not improve from 2.27145
964 Epoch 421/1000
    - 0s - loss: 1.6172
965
    mean_absolute_error: 0.9135 - val_loss
      15.1736 - val_mean_absolute_error: 2.
    3345
966 Epoch 422/1000
    - 0s - loss: 1.4955 -
967
    mean_absolute_error: 0.8188 - val_loss
      17. 9505 - val_mean_absolute_error: 2.
    5796
968 Epoch 423/1000
    - 0s - loss: 1.4907 -
969
    mean_absolute_error: 0.8663 - val_loss
     14.5797 - val_mean_absolute_error: 2.
    3611
970 Epoch 424/1000
    - 0s - loss: 1.4650 -
971
    mean_absolute_error: 0.8579 - val_loss
     15.2036 - val_mean_absolute_error: 2.
```

```
File - boston01
971 3454
972 Epoch 425/1000
973 - 0s - loss: 1.4667 -
    mean_absolute_error: 0.8461 - val_loss
      15.6535 - val_mean_absolute_error: 2.
    4220
974 Epoch 426/1000
     - 0s - loss: 1.4136 -
975 l
    mean_absolute_error: 0.8390 - val_loss
     17.2592 - val_mean_absolute_error: 2.
    6836
976 Epoch 427/1000
977 - 0s - loss: 1.5410 -
    mean_absolute_error: 0.8668 - val_loss
     16.5571 - val_mean_absolute_error: 2.
    5599
978 Epoch 428/1000
     - 0s - loss: 1.4628 -
979
    mean_absolute_error: 0.8832 - val_loss
    : 15.8646 - val_mean_absolute_error: 2.
    5955
980 Epoch 429/1000
     - 0s - loss: 1.5375 -
981
    mean_absolute_error: 0.8511 - val_loss
```

```
18.8347 - val_mean_absolute_error: 2
981
    7326
982 Epoch 430/1000
    - 0s - loss: 1.6769 -
983
   mean_absolute_error: 0.8753 - val_loss
     15.2319 - val_mean_absolute_error: 2
    3295
984
985 Epoch 00430: val_mean_absolute_error
   did not improve from 2.27145
986 Epoch 431/1000
    - 0s - loss: 1.3058 -
987 |
   mean_absolute_error: 0.7730 - val_loss
     15.3075 - val_mean_absolute_error: 2
    3513
988 Epoch 432/1000
    - 0s - loss: 1.3868 -
989
   mean_absolute_error: 0.8283 - val_loss
     15.6137 - val_mean_absolute_error: 2
    4583
990 Epoch 433/1000
    - 0s - loss: 1.6272
991
   15.0205 - val_mean_absolute_error: 2
```

```
File - boston01
      . 5281
 991
 992 Epoch 434/1000
      - 0s - loss: 1.4276
 993
     mean_absolute_error: 0.8275 - val_loss
       15.9643 - val_mean_absolute_error: 2
      5450
 994 Epoch 435/1000
 995 - 0s - loss: 1.4591
     mean_absolute_error: 0.8488 - val_loss
       20.0438 - val_mean_absolute_error:
      7972
 996 Epoch 436/1000
      - 0s - loss: 1.3982
 997 |
     mean_absolute_error: 0.8262 - val_loss
       15.1932 - val_mean_absolute_error:
      3937
 998 Epoch 437/1000
 999 - 0s - loss: 1.4550 -
     mean_absolute_error: 0.8536 - val_loss
       18.5914 - val_mean_absolute_error:
      8504
1000 Epoch 438/1000
1001 - 0s - loss: 1.6259 -
     mean_absolute_error: 0.9100 - val_l<u>oss</u>
```

```
15.2354 - val_mean_absolute_error: 2
1001
      3710
1002 Epoch 439/1000
     - 0s - loss: 1.3081 -
1003
     mean_absolute_error: 0.7863 - val_loss
       17.3980 - val_mean_absolute_error: 2
      6204
1004 Epoch 440/1000
1005
     - 0s - loss: 1.3293 -
     mean_absolute_error: 0.8348 - val_loss
       15.9845 - val_mean_absolute_error: 2
     3942
1006
    Epoch 00440: val_mean_absolute_error
1007
     did not improve from 2.27145
1008 Epoch 441/1000
1009 - 0s - loss: 1.3628 -
     mean_absolute_error: 0.8196 - val_loss
       14.4156 - val_mean_absolute_error: 2
      4726
1010 Epoch 442/1000
1011 - 0s - loss: 1.4007
     mean_absolute_error: 0.8278 - val_loss
     14.5330 - val_mean_absolute_error: 2
```

```
File - boston01
     . 4101
1011
1012 Epoch 443/1000
1013 - 0s - Loss: 1.4291
     mean_absolute_error: 0.8231 - val_loss
       14.8725 - val_mean_absolute_error: 2
      3667
1014 Epoch 444/1000
1015 - 0s - loss: 1.4626 -
     mean_absolute_error: 0.8637 - val_loss
       15.3642 - val_mean_absolute_error:
      4931
1016 Epoch 445/1000
1017 - 0s - loss: 1.4324
     mean_absolute_error: 0.8284 - val_loss
       15.7642 - val_mean_absolute_error:
      4326
1018 Epoch 446/1000
1019 - 0s - loss: 1.4509 -
     mean_absolute_error: 0.8361 - val_loss
       15.6925 - val_mean_absolute_error:
      6291
1020 Epoch 447/1000
1021 - 0s - loss: 1.4961 -
     mean_absolute_error: 0.8988 - val_l<u>oss</u>
```

```
15.5553 - val_mean_absolute_error: 2
1021
      8454
1022 Epoch 448/1000
     - Os - Loss: 1.4837 -
1023
     mean_absolute_error: 0.8402 - val_loss
       14.4739 - val_mean_absolute_error: 2
      5801
1024 Epoch 449/1000
1025
     - 0s - loss: 1.3236 -
     mean_absolute_error: 0.7962 - val_loss
       14.3991 - val_mean_absolute_error: 2
      4022
1026 Epoch 450/1000
     - 0s - loss: 1.5571 -
1027
     mean_absolute_error: 0.8556 - val_loss
       14.9049 - val_mean_absolute_error: 2
     . 4115
1028
1029 Epoch 00450: val_mean_absolute_error
     did not improve from 2.27145
1030 Epoch 451/1000
1031 - 0s - loss: 1.3971
     mean_absolute_error: 0.8527 - val_loss
      15.0773 - val_mean_absolute_error: 2
```

```
File - boston01
      . 3338
1031
1032 Epoch 452/1000
      - 0s - loss: 1.2887
1033
     mean_absolute_error: 0.8023 - val_loss
       15.3023 - val_mean_absolute_error: 2
      4272
1034 Epoch 453/1000
1035 - 0s - loss: 1.4644
     mean_absolute_error: 0.8234 - val_loss
       19.1902 - val_mean_absolute_error:
      7073
1036 Epoch 454/1000
1037 - 0s - loss: 1.4051
     mean_absolute_error: 0.8392 - val_loss
       14.5642 - val_mean_absolute_error:
      3859
1038 Epoch 455/1000
1039 - 0s - loss: 1.2673 -
     mean_absolute_error: 0.8050 - val_loss
       18.9792 - val_mean_absolute_error:
      . 8660
1040 Epoch 456/1000
1041 - 0s - loss: 1.5225 -
     mean_absolute_error: 0.8396 - val_l<u>oss</u>
```

```
15.4417 - val_mean_absolute_error:
1041
      4268
1042 Epoch 457/1000
     - 0s - loss: 1.3151 -
1043
     mean_absolute_error: 0.7995 - val_loss
       19.9485 - val_mean_absolute_error: 2
      8092
1044 Epoch 458/1000
1045
     - 0s - loss: 1.4512 -
     mean_absolute_error: 0.8037 - val_loss
       15.7246 - val_mean_absolute_error: 2
      4018
1046 Epoch 459/1000
     - 0s - loss: 1.4020 -
1047
     mean_absolute_error: 0.8271 - val_loss
       17.5909 - val_mean_absolute_error: 2
      6094
1048 Epoch 460/1000
     - 0s - Loss: 1.3030 -
1049
     mean_absolute_error: 0.7813 - val_loss
       14.6603 - val_mean_absolute_error: 2
     6147
1050
    Epoch 00460: val_mean_absolute_error
1051
```

```
15.0720 - val_mean_absolute_error: 2
1061
      6092
1062 Epoch 466/1000
     - 0s - loss: 1.2905 -
1063
     mean_absolute_error: 0.7945 - val_loss
       15.2684 - val_mean_absolute_error: 2
      4175
1064 Epoch 467/1000
1065
     - 0s - loss: 1.2274
     mean_absolute_error: 0.7833 - val_loss
       16.9161 - val_mean_absolute_error: 2
      6212
1066 Epoch 468/1000
     - Os - Loss: 1.3322 -
1067
     mean_absolute_error: 0.8087 - val_loss
       14.9158 - val_mean_absolute_error: 2
      5323
1068 Epoch 469/1000
     - 0s - loss: 1.3607 -
1069 l
     mean_absolute_error: 0.8212 - val_loss
       16.3624 - val_mean_absolute_error: 2
      6643
1070 Epoch 470/1000
     - 0s - loss: 1.5503
1071 l
```

```
1071 mean_absolute_error: 0.8932 - val_loss
      16.8748 - val_mean_absolute_error: 2
     4992
1072
1073 Epoch 00470: val_mean_absolute_error
    did not improve from 2.27145
1074 Epoch 471/1000
1075 - 0s - loss: 1.2256
    mean_absolute_error: 0.7580 - val_loss
      14.9030 - val_mean_absolute_error:
     4341
1076 Epoch 472/1000
1077 - 0s - loss: 1.4342 -
    14.7591 - val_mean_absolute_error: 2
     6166
1078 Epoch 473/1000
1079 - 0s - loss: 1.3237 -
    mean_absolute_error: 0.8207 - val_loss
      16.3062 - val_mean_absolute_error:
     3999
1080 Epoch 474/1000
1081 - 0s - loss: 1.2162 -
    mean_absolute_error: 0.7516 - val_loss
```

```
16.4537 - val_mean_absolute_error: 2
1081
      4970
1082 Epoch 475/1000
     - 0s - loss: 1.4666 -
1083
     mean_absolute_error: 0.8611 - val_loss
       15.7008 - val_mean_absolute_error: 2
     5088
1084 Epoch 476/1000
1085
     - 0s - loss: 1.2968 -
     mean_absolute_error: 0.7949 - val_loss
       18.1673 - val_mean_absolute_error: 2
      6694
1086 Epoch 477/1000
     - 0s - loss: 1.2855 -
1087
     mean_absolute_error: 0.8071 - val_loss
       14.7456 - val_mean_absolute_error: 2
      4184
1088 Epoch 478/1000
     - 0s - loss: 1.3059
1089 l
     mean_absolute_error: 0.7914 - val_loss
       14.6637 - val_mean_absolute_error: 2
      4728
1090 Epoch 479/1000
     - 0s - loss: 1.3966 -
1091
```

```
1091 mean_absolute_error: 0.8065 - val_loss
       15.1528 - val_mean_absolute_error: 2
      3998
1092 Epoch 480/1000
     - 0s - loss: 1.2551
1093
     mean_absolute_error: 0.8049 - val_loss
       17.7753 - val_mean_absolute_error: 2
     4862
1094
1095 Epoch 00480: val_mean_absolute_error
     did not improve from 2.27145
1096 Epoch 481/1000
1097 - 0s - loss: 1.3505 -
     mean_absolute_error: 0.8091 - val_loss
       15.9169 - val_mean_absolute_error: 2
     4093
1098 Epoch 482/1000
1099 - 0s - loss: 1.4131 -
     mean_absolute_error: 0.8280 - val_loss
       17.2502 - val_mean_absolute_error:
     5207
1100 Epoch 483/1000
1101 - 0s - loss: 1.2338 -
     mean_absolute_error: 0.7814 - val_l<u>oss</u>
```

```
15.2508 - val_mean_absolute_error: 2
1101
     4095
1102 Epoch 484/1000
     - 0s - loss: 1.2969 -
1103
    14.5484 - val_mean_absolute_error: 2
     3250
1104 Epoch 485/1000
1105
     - 0s - loss: 1.1920 -
    mean_absolute_error: 0.7731 - val_l<u>oss</u>
      15.1957 - val_mean_absolute_error: 2
     4963
1106 Epoch 486/1000
     - 0s - loss: 1.1875 -
1107 |
    mean_absolute_error: 0.7707 - val_loss
      16.9893 - val_mean_absolute_error: 2
     5871
1108 Epoch 487/1000
1109 - 0s - loss: 1.3128 -
    mean_absolute_error: 0.7803 - val_loss
      17.5984 - val_mean_absolute_error: 2
     7454
1110 Epoch 488/1000
1111 - 0s - loss: 1.2659
```

```
1111 mean_absolute_error: 0.8043 - val_loss
      15.3876 - val_mean_absolute_error: 2
     4330
1112 Epoch 489/1000
1113 - 0s - loss: 1.4017 -
    mean_absolute_error: 0.8114 - val_loss
      14.4338 - val_mean_absolute_error: 2
     3593
1114 Epoch 490/1000
1115 - 0s - loss: 1.1649 -
    mean_absolute_error: 0.7611 - val_loss
      16.0051 - val_mean_absolute_error: 2
     . 7966
1116
1117 Epoch 00490: val_mean_absolute_error
    did not improve from 2.27145
1118 Epoch 491/1000
1119 - 0s - loss: 1.3737 -
    mean_absolute_error: 0.8045 - val_loss
      15.1115 - val_mean_absolute_error:
     6791
1120 Epoch 492/1000
1121 - 0s - loss: 1.2330 -
```

```
15.6028 - val_mean_absolute_error: 2
1121
     5256
1122 Epoch 493/1000
     - 0s - loss: 1.2611 -
1123
     mean_absolute_error: 0.8166 - val_loss
      15.7584 - val_mean_absolute_error: 2
     3912
1124 Epoch 494/1000
1125
     - 0s - loss: 1.1281
     mean_absolute_error: 0.7397 - val_loss
       16.3958 - val_mean_absolute_error: 2
     6471
1126 Epoch 495/1000
     - 0s - loss: 1.3735 -
1127
     mean_absolute_error: 0.8313 - val_loss
      15.4732 - val_mean_absolute_error: 2
     4508
1128 Epoch 496/1000
1129 - 0s - loss: 1.1828 -
     mean_absolute_error: 0.7373 - val_loss
       16.3920 - val_mean_absolute_error: 2
     4376
1130 Epoch 497/1000
1131 - 0s - loss: 1.2645
```

```
1131 mean_absolute_error: 0.7769 - val_loss
       16.3004 - val_mean_absolute_error: 2
      6934
1132 Epoch 498/1000
1133 - 0s - loss: 1.2139 -
     mean_absolute_error: 0.7595 - val_loss
       15.5810 - val_mean_absolute_error: 2
     4897
1134 Epoch 499/1000
1135 - 0s - loss: 1.2810 -
     mean_absolute_error: 0.8055 - val_loss
       14.5886 - val_mean_absolute_error: 2
     4171
1136 Epoch 500/1000
1137 - 0s - loss: 1.1713 -
     mean_absolute_error: 0.7646 - val_loss
     14.8072 - val_mean_absolute_error: 2
     4505
1138
1139 Epoch 00500: val_mean_absolute_error
     did not improve from 2.27145
1140 Epoch 501/1000
1141 - 0s - loss: 1.1401 -
     mean_absolute_error: 0.7442 - val_loss
```

```
16.5256 - val_mean_absolute_error: 2
1141
     9628
1142 Epoch 502/1000
     - 0s - loss: 1.2960 -
1143
     mean_absolute_error: 0.8180 - val_loss
      15.9894 - val_mean_absolute_error: 2
     5075
1144 Epoch 503/1000
1145
     - 0s - loss: 1.2663 -
     mean_absolute_error: 0.7606 - val_loss
       15.3265 - val_mean_absolute_error: 2
      3655
1146 Epoch 504/1000
     - 0s - loss: 1.0703 -
1147
     mean_absolute_error: 0.7300 - val_loss
      19.3283 - val_mean_absolute_error: 2
     9713
1148 Epoch 505/1000
1149 - 0s - loss: 1.3916 -
     mean_absolute_error: 0.8293 - val_loss
       17.3145 - val_mean_absolute_error: 2
      6878
1150 Epoch 506/1000
1151 - 0s - loss: 1.2072
```

```
1151 mean_absolute_error: 0.7484 - val_loss
       15.4758 - val_mean_absolute_error: 2
     6316
1152 Epoch 507/1000
1153 - 0s - loss: 1.2006 -
     mean_absolute_error: 0.7818 - val_loss
       18.5131 - val_mean_absolute_error: 2
     6211
1154 Epoch 508/1000
1155 - 0s - loss: 1.3027
     mean_absolute_error: 0.7969 - val_loss
      14.9026 - val_mean_absolute_error: 2
     5057
1156 Epoch 509/1000
1157 - 0s - loss: 1.1387
     mean_absolute_error: 0.7523 - val_loss
       18.2849 - val_mean_absolute_error: 2
     7084
1158 Epoch 510/1000
1159 - 0s - loss: 1.2737 -
     mean_absolute_error: 0.8130 - val_loss
      16.4456 - val_mean_absolute_error:
     . 6767
1160
```

```
1161 Epoch 00510: val_mean_absolute_error
     did not improve from 2.27145
1162 Epoch 511/1000
1163 - 0s - Loss: 1.2203 -
     mean_absolute_error: 0.7552 - val_loss
      16.8861 - val_mean_absolute_error: 2
     5124
1164 Epoch 512/1000
     - 0s - loss: 1.1526 -
1165
     mean_absolute_error: 0.7325 - val_loss
       15.7856 - val_mean_absolute_error: 2
      3900
1166 Epoch 513/1000
     - 0s - loss: 1.1987 -
1167
     mean_absolute_error: 0.7545 - val_loss
       15.7422 - val_mean_absolute_error: 2
      5285
1168 Epoch 514/1000
1169 - 0s - loss: 1.2977 -
     mean_absolute_error: 0.8010 - val_loss
       14.8514 - val_mean_absolute_error: 2
      4741
1170 Epoch 515/1000
1171 - 0s - loss: 1.1687 -
```

```
1171 mean_absolute_error: 0.7342 - val_loss
       15.0756 - val_mean_absolute_error: 2
      4965
1172 Epoch 516/1000
1173 - 0s - loss: 1.1685 -
     mean_absolute_error: 0.7614 - val_loss
       17.5996 - val_mean_absolute_error: 2
      4957
1174 Epoch 517/1000
1175 - 0s - loss: 1.1728 -
     mean_absolute_error: 0.7651 - val_loss
       15.9004 - val_mean_absolute_error: 2
      4394
1176 Epoch 518/1000
1177 - 0s - loss: 1.1861
     mean_absolute_error: 0.7540 - val_loss
     : 14.8998 - val_mean_absolute_error: 2
     5178
1178 Epoch 519/1000
1179 - 0s - loss: 1.2011 -
     mean_absolute_error: 0.7823 - val_loss
       15.9766 - val_mean_absolute_error:
      4388
1180 Epoch 520/1000
```

```
- 0s - loss: 1.2713 -
1181
     mean_absolute_error: 0.8041 - val_loss
       14.6186 - val_mean_absolute_error: 2
     4689
1182
1183 Epoch 00520: val_mean_absolute_error
     did not improve from 2.27145
1184 Epoch 521/1000
     - 0s - loss: 1.2107 -
1185
     mean_absolute_error: 0.7864 - val_loss
       15.3728 - val_mean_absolute_error: 2
      4342
1186 Epoch 522/1000
     - 0s - loss: 1.1041 -
1187
     mean_absolute_error: 0.7507 - val_loss
       17.1018 - val_mean_absolute_error: 2
     . 7336
1188 Epoch 523/1000
1189 - 0s - loss: 1.2249
     mean_absolute_error: 0.7524 - val_loss
       17.0988 - val_mean_absolute_error: 2
      4965
1190 Epoch 524/1000
     - 0s - loss: 1.1228
1191
```

```
1191 mean_absolute_error: 0.7712 - val_loss
       14.8673 - val_mean_absolute_error: 2
      5015
1192 Epoch 525/1000
1193 - 0s - loss: 1.2709 -
     mean_absolute_error: 0.8012 - val_loss
       15.8201 - val_mean_absolute_error: 2
      3964
1194 Epoch 526/1000
1195 - Os - Loss: 1.1348 -
     mean_absolute_error: 0.7620 - val_loss
       15.2810 - val_mean_absolute_error: 2
     5392
1196 Epoch 527/1000
1197 - 0s - loss: 1.0822 -
     mean_absolute_error: 0.7435 - val_loss
       14.8175 - val_mean_absolute_error: 2
      4330
1198 Epoch 528/1000
1199 - 0s - loss: 1.0567 -
     mean_absolute_error: 0.7392 - val_loss
       15.7472 - val_mean_absolute_error:
      4248
1200 Epoch 529/1000
```

```
- 0s - loss: 1.1104 -
1201
     mean_absolute_error: 0.7698 - val_loss
       14.6328 - val_mean_absolute_error: 2
      4281
1202 Epoch 530/1000
     - 0s - loss: 1.1371 -
1203
     mean_absolute_error: 0.7587 - val_loss
       16.6240 - val_mean_absolute_error: 2
     . 5762
1204
1205 Epoch 00530: val_mean_absolute_error
     did not improve from 2.27145
1206 Epoch 531/1000
     - 0s - loss: 1.2592 -
1207
     mean_absolute_error: 0.8047 - val_loss
       15.3908 - val_mean_absolute_error: 2
     . 7560
1208 Epoch 532/1000
1209 - 0s - loss: 1.2205 -
     mean_absolute_error: 0.7665 - val_loss
       16.4352 - val_mean_absolute_error: 2
      6085
1210 Epoch 533/1000
     - 0s - loss: 1.0486 -
1211
```

```
1211 mean_absolute_error: 0.7024 - val_loss
       15.4206 - val_mean_absolute_error: 2
      5990
1212 Epoch 534/1000
1213 - 0s - loss: 1.2704 -
     mean_absolute_error: 0.7940 - val_loss
       13.8953 - val_mean_absolute_error: 2
     3832
1214 Epoch 535/1000
1215 - 0s - loss: 1.0888
     mean_absolute_error: 0.7388 - val_loss
       15.6881 - val_mean_absolute_error: 2
     5560
1216 Epoch 536/1000
1217 - 0s - loss: 1.1907
     mean_absolute_error: 0.8168 - val_loss
      15.4936 - val_mean_absolute_error: 2
     4512
1218 Epoch 537/1000
1219 - 0s - loss: 1.0547 -
     mean_absolute_error: 0.7200 - val_loss
       15.0234 - val_mean_absolute_error:
     5007
1220 Epoch 538/1000
```

```
- 0s - loss: 1.1309 -
1221
    mean_absolute_error: 0.7643 - val_loss
      16.6951 - val_mean_absolute_error: 2
     5372
1222 Epoch 539/1000
1223 - 0s - loss: 1.1964 -
    mean_absolute_error: 0.7802 - val_loss
      15.3503 - val_mean_absolute_error: 2
     4188
1224 Epoch 540/1000
1225 - 0s - loss: 1.0484 -
    : 16.1602 - val_mean_absolute_error: 2
     . 5117
1226
1227 Epoch 00540: val_mean_absolute_error
    did not improve from 2.27145
1228 Epoch 541/1000
1229 - 0s - loss: 1.1417 -
    mean_absolute_error: 0.7210 - val_loss
      15.5476 - val_mean_absolute_error: 2
     5082
1230 Epoch 542/1000
1231 - 0s - loss: 1.1847
```

```
1231 mean_absolute_error: 0.7574 - val_loss
       16.0078 - val_mean_absolute_error: 2
     7180
1232 Epoch 543/1000
1233 - 0s - loss: 1.1085 -
     mean_absolute_error: 0.7501 - val_loss
      15.3140 - val_mean_absolute_error: 2
     . 5111
1234 Epoch 544/1000
1235 - 0s - loss: 1.1523
     mean_absolute_error: 0.7865 - val_loss
       16.7207 - val_mean_absolute_error: 2
     . 7160
1236 Epoch 545/1000
1237 - 0s - loss: 1.1482 -
     mean_absolute_error: 0.7291 - val_loss
     17.7136 - val_mean_absolute_error: 2
     5804
1238 Epoch 546/1000
1239 - 0s - loss: 1.0436 -
     mean_absolute_error: 0.7249 - val_loss
       15.9006 - val_mean_absolute_error:
      6816
1240 Epoch 547/1000
```

```
- 0s - loss: 1.1316 -
1241
     mean_absolute_error: 0.7744 - val_loss
       14.9020 - val_mean_absolute_error:
      4663
1242 Epoch 548/1000
     - 0s - loss: 1.2096 -
1243
     mean_absolute_error: 0.7674 - val_loss
       16.5836 - val_mean_absolute_error:
      5433
1244 Epoch 549/1000
1245 - 0s - loss: 0.9916 -
     mean_absolute_error: 0.6928 - val_loss
       14.8483 - val_mean_absolute_error:
      4396
1246 Epoch 550/1000
     - 0s - loss: 1.1446 -
1247
     mean_absolute_error: 0.7147 - val_loss
       16.4004 - val_mean_absolute_error: 2
     . 5497
1248
1249 Epoch 00550: val_mean_absolute_error
     did not improve from 2.27145
1250 Epoch 551/1000
1251 - 0s - loss: 1.1096 -
```

```
1251 mean_absolute_error: 0.7530 - val_loss
       16.7857 - val_mean_absolute_error: 2
     7493
1252 Epoch 552/1000
1253 - 0s - loss: 0.9906 -
     mean_absolute_error: 0.7012 - val_loss
       15.5075 - val_mean_absolute_error: 2
     4599
1254 Epoch 553/1000
1255 - 0s - loss: 1.1053
     mean_absolute_error: 0.7312 - val_loss
       17.0847 - val_mean_absolute_error: 2
     7049
1256 Epoch 554/1000
1257 - 0s - Loss: 1.1201
     mean_absolute_error: 0.7683 - val_loss
       15.9519 - val_mean_absolute_error: 2
     4837
1258 Epoch 555/1000
1259 - 0s - loss: 1.0272 -
     mean_absolute_error: 0.6958 - val_loss
       14.8749 - val_mean_absolute_error:
      4116
1260 Epoch 556/1000
```

```
- 0s - loss: 1.1338 -
1261
     mean_absolute_error: 0.7472 - val_loss
       18.6068 - val_mean_absolute_error: 2
      7300
1262 Epoch 557/1000
     - 0s - loss: 1.0409 -
1263
     mean_absolute_error: 0.7036 - val_loss
       14.3853 - val_mean_absolute_error:
      6002
1264 Epoch 558/1000
1265 - 0s - loss: 1.1817 -
     mean_absolute_error: 0.7849 - val_loss
       16.1267 - val_mean_absolute_error:
      4243
1266 Epoch 559/1000
     - 0s - loss: 0.9760 -
1267 I
     mean_absolute_error: 0.6788 - val_loss
       18.1097 - val_mean_absolute_error: 2
      6415
1268 Epoch 560/1000
     - 0s - loss: 1.0192 -
1269
     mean_absolute_error: 0.6878 - val_loss
       17.4000 - val_mean_absolute_error: 2
     6626
```

```
1270
1271 Epoch 00560: val_mean_absolute_error
     did not improve from 2.27145
1272 Epoch 561/1000
1273 - 0s - loss: 1.2120 -
     mean_absolute_error: 0.7563 - val_loss
       16.6916 - val_mean_absolute_error: 2
     5377
1274 Epoch 562/1000
1275 - 0s - loss: 1.0474
     mean_absolute_error: 0.7252 - val_loss
       16.9064 - val_mean_absolute_error: 2
     4685
1276 Epoch 563/1000
1277 - 0s - loss: 1.0926 -
     mean_absolute_error: 0.6930 - val_loss
       15.4471 - val_mean_absolute_error:
      4929
1278 Epoch 564/1000
1279 - 0s - loss: 1.0113 -
     mean_absolute_error: 0.6863 - val_loss
       16.0890 - val_mean_absolute_error:
1280 Epoch 565/1000
```

```
- 0s - loss: 0.9898 -
1281
     mean_absolute_error: 0.7094 - val_loss
       15.7249 - val_mean_absolute_error: 2
      4610
1282 Epoch 566/1000
     - 0s - loss: 1.2219 -
1283
     mean_absolute_error: 0.7774 - val_loss
       15.4472 - val_mean_absolute_error:
      6599
1284 Epoch 567/1000
1285 - 0s - loss: 0.9965 -
     mean_absolute_error: 0.6906 - val_loss
       16.2965 - val_mean_absolute_error:
      6515
1286 Epoch 568/1000
     - 0s - loss: 1.1054 -
1287 I
     mean_absolute_error: 0.7461 - val_loss
       15.3475 - val_mean_absolute_error: 2
      5411
1288 Epoch 569/1000
     - 0s - loss: 1.0357 -
1289
     mean_absolute_error: 0.7273 - val_loss
     : 14.9734 - val_mean_absolute_error: 2
     5937
```

1300 Epoch 574/1000

```
- 0s - loss: 0.9694 -
1301
     mean_absolute_error: 0.6734 - val_loss
       16.6195 - val_mean_absolute_error: 2
      5057
1302 Epoch 575/1000
     - 0s - loss: 1.0148 -
1303
     mean_absolute_error: 0.7283 - val_loss
       15.0536 - val_mean_absolute_error:
      5504
1304 Epoch 576/1000
1305 - 0s - loss: 1.0267 -
     mean_absolute_error: 0.7238 - val_loss
       15.4337 - val_mean_absolute_error:
     4682
1306 Epoch 577/1000
     - 0s - loss: 1.0350 -
1307
     mean_absolute_error: 0.7598 - val_loss
       15.8967 - val_mean_absolute_error: 2
      4045
1308 Epoch 578/1000
     - 0s - loss: 0.9933 -
1309
     mean_absolute_error: 0.6791 - val_loss
     : 16.3468 - val_mean_absolute_error: 2
     5445
```

1319 - Os - Loss: 1.1045 - mean_absolute_error: 0.7641 - val_loss : 14.7648 - val_mean_absolute_error: 2 .5566

1320 Epoch 583/1000

```
- 0s - loss: 0.9429 -
1321
     mean_absolute_error: 0.6690 - val_loss
       14.8035 - val_mean_absolute_error: 2
      3601
1322 Epoch 584/1000
     - 0s - loss: 0.9086 -
1323
     mean_absolute_error: 0.6864 - val_loss
       16.1707 - val_mean_absolute_error: 2
      5260
1324 Epoch 585/1000
1325 - 0s - loss: 1.1285 -
     mean_absolute_error: 0.7440 - val_loss
       15.5448 - val_mean_absolute_error: 2
     5359
1326 Epoch 586/1000
     - 0s - Loss: 0.8914 -
1327
     mean_absolute_error: 0.6624 - val_loss
       14.6672 - val_mean_absolute_error: 2
      5597
1328 Epoch 587/1000
     - 0s - loss: 1.0296 -
1329
     mean_absolute_error: 0.6932 - val_loss
     : 16.5798 - val_mean_absolute_error: 2
     5109
```

1340 Epoch 592/1000

```
- 0s - loss: 0.9861 -
1341
     mean_absolute_error: 0.6695 - val_loss
       20.9246 - val_mean_absolute_error: 3
      0772
1342 Epoch 593/1000
     - 0s - loss: 1.0106 -
1343
     mean_absolute_error: 0.7039 - val_loss
       15.9757 - val_mean_absolute_error:
     5892
1344 Epoch 594/1000
1345 - 0s - loss: 0.9414 -
     mean_absolute_error: 0.6761 - val_loss
      15.8038 - val_mean_absolute_error:
     5080
1346 Epoch 595/1000
     - 0s - loss: 1.0748 -
1347
     mean_absolute_error: 0.7494 - val_loss
       15.8295 - val_mean_absolute_error: 2
      4522
1348 Epoch 596/1000
     - 0s - loss: 1.0041 -
1349
     mean_absolute_error: 0.6927 - val_loss
      20.5974 - val_mean_absolute_error: 2
     9951
```

1359 Epoch 00600: val_mean_absolute_error did not improve from 2.27145

1360 Epoch 601/1000

```
- 0s - loss: 0.9160 -
1361
     mean_absolute_error: 0.6826 - val_loss
       21.8737 - val_mean_absolute_error: 2
      9629
1362 Epoch 602/1000
     - 0s - loss: 1.1036 -
1363
     mean_absolute_error: 0.7146 - val_loss
       16.8618 - val_mean_absolute_error:
      5318
1364 Epoch 603/1000
1365 - 0s - loss: 0.9826 -
     mean_absolute_error: 0.7074 - val_loss
       15.1595 - val_mean_absolute_error:
      4592
1366 Epoch 604/1000
     - 0s - loss: 0.9723 -
1367 |
     mean_absolute_error: 0.6911 - val_loss
       16.1134 - val_mean_absolute_error: 2
      5443
1368 Epoch 605/1000
     - 0s - loss: 0.8849 -
1369
     mean_absolute_error: 0.6692 - val_loss
     : 16.7139 - val_mean_absolute_error: 2
     5478
```

. 5082 1378 Epoch 610/1000

1379 - Os - Loss: 0.8943 - mean_absolute_error: 0.6373 - val_loss : 16.7073 - val_mean_absolute_error: 2

```
File - boston01
     . 5036
1379
1380
1381 Epoch 00610: val_mean_absolute_error
     did not improve from 2.27145
1382 Epoch 611/1000
1383 - 0s - loss: 0.9927 -
     mean_absolute_error: 0.6998 - val_loss
       15.1887 - val_mean_absolute_error:
      4434
1384 Epoch 612/1000
1385 - Os - Loss: 0.9773 -
     mean_absolute_error: 0.6776 - val_loss
       16.1066 - val_mean_absolute_error:
      4547
1386 Epoch 613/1000
      - 0s - loss: 1.0034 -
1387
     mean_absolute_error: 0.6924 - val_loss
       15. 2294 - val_mean_absolute_error: 2
      5382
1388 Epoch 614/1000
      - 0s - loss: 0.9403 -
1389
     mean_absolute_error: 0.6990 - val_loss
       18.3643 - val_mean_absolute_error: 2
      7493
```

1398 Epoch 619/1000

1399 - Os - Loss: 0.8778 - mean_absolute_error: 0.6699 - val_loss : 15.8789 - val_mean_absolute_error: 2

```
File - boston01
1399 . 7092
1400 Epoch 620/1000
      - 0s - loss: 1.0213
1401
     mean_absolute_error: 0.7190 - val_loss
       15.6931 - val_mean_absolute_error: 2
      4822
1402
1403 Epoch 00620: val_mean_absolute_error
     did not improve from 2.27145
1404 Epoch 621/1000
1405 - 0s - loss: 0.8711 -
     mean_absolute_error: 0.6687 - val_loss
       18.0854 - val_mean_absolute_error: 2
      7449
1406 Epoch 622/1000
      - 0s - loss: 0.9233 -
1407 l
     mean_absolute_error: 0.6644 - val_loss
       17.2886 - val_mean_absolute_error: 2
      5769
1408 Epoch 623/1000
1409 - 0s - loss: 1.0040 -
     mean_absolute_error: 0.7015 - val_loss
     : 16.0461 - val_mean_absolute_error: 2
      5405
```

1412 Epoch 625/1000

1413 - 0s - loss: 0.8563 - mean_absolute_error: 0.6352 - val_loss : 16.8850 - val_mean_absolute_error: 2 .5045

1414 Epoch 626/1000

1415 - 0s - loss: 0.9067 - mean_absolute_error: 0.6808 - val_loss : 16.2611 - val_mean_absolute_error: 2 .4639

1416 Epoch 627/1000

1417 - 0s - loss: 0.8891 - mean_absolute_error: 0.7037 - val_loss : 19.6090 - val_mean_absolute_error: 2 .7837

1418 Epoch 628/1000

1419 - 0s - loss: 0.9056 - mean_absolute_error: 0.6816 - val_loss : 16.2371 - val_mean_absolute_error: 2

```
File - boston01
1419 . 5517
1420 Epoch 629/1000
1421 - 0s - Loss: 1.0224
     mean_absolute_error: 0.7098 - val_loss
       15.9218 - val_mean_absolute_error: 2
      5396
1422 Epoch 630/1000
1423 - 0s - loss: 0.9434
     mean_absolute_error: 0.6855 - val_loss
      17.3052 - val_mean_absolute_error:
      . 5340
1424
1425 Epoch 00630: val_mean_absolute_error
     did not improve from 2.27145
1426 Epoch 631/1000
     - 0s - loss: 0.9967 -
1427 l
     mean_absolute_error: 0.7131 - val_loss
       15.9736 - val_mean_absolute_error: 2
      4750
1428 Epoch 632/1000
      - 0s - loss: 0.9085 -
1429
     mean_absolute_error: 0.6828 - val_loss
     : 16.8199 - val_mean_absolute_error: 2
      5518
```

1438 Epoch 637/1000

1439 - 0s - loss: 0.8972 - mean_absolute_error: 0.6670 - val_loss : 16.7742 - val_mean_absolute_error: 2

```
File - boston01
     . 5515
1439
1440 Epoch 638/1000
      - 0s - loss: 0.9130
1441
     mean_absolute_error: 0.6737 - val_loss
       18.5026 - val_mean_absolute_error: 2
      . 7004
1442 Epoch 639/1000
1443 - 0s - loss: 0.8690 -
     mean_absolute_error: 0.6480 - val_loss
       16.3226 - val_mean_absolute_error:
      5212
1444 Epoch 640/1000
      - 0s - loss: 0.7169 -
1445 l
     mean_absolute_error: 0.6032 - val_loss
       19.2548 - val_mean_absolute_error:
      . 7886
1446
1447 Epoch 00640: val_mean_absolute_error
     did not improve from 2.27145
1448 Epoch 641/1000
      - 0s - loss: 0.9977
1449
     mean_absolute_error: 0.6990 - val_loss
       16.8885 - val_mean_absolute_error: 2
      4982
```

1458 Epoch 646/1000

1459 - 0s - loss: 0.8442 - mean_absolute_error: 0.6632 - val_loss : 15.9009 - val_mean_absolute_error: 2

```
File - boston01
     . 5908
1459
1460 Epoch 647/1000
      - 0s - loss: 0.9433
1461
     mean_absolute_error: 0.6884 - val_loss
       15.9830 - val_mean_absolute_error: 2
      5242
1462 Epoch 648/1000
1463 - 0s - Loss: 0.8980
     mean_absolute_error: 0.6796 - val_loss
       15.5912 - val_mean_absolute_error:
      5207
1464 Epoch 649/1000
1465
      - 0s - loss: 0.8322
     mean_absolute_error: 0.6450 - val_loss
       16.4784 - val_mean_absolute_error:
      6119
1466 Epoch 650/1000
1467 - 0s - loss: 0.8854 -
     mean_absolute_error: 0.6570 - val_loss
       16.1515 - val_mean_absolute_error:
      4956
1468
     Epoch 00650: val_mean_absolute_error
1469
     did not improve from 2.27145
```

. 5026 1478 Epoch 655/1000

1479 - 0s - loss: 0.9245 - mean_absolute_error: 0.6917 - val_loss : 18.1755 - val_mean_absolute_error: 2

```
File - boston01
      . 6093
1479
1480 Epoch 656/1000
      - 0s - loss: 0.9102
1481
     mean_absolute_error: 0.6702 - val_loss
       15.9440 - val_mean_absolute_error: 2
      5154
1482 Epoch 657/1000
1483 - 0s - Loss: 0.8774
     mean_absolute_error: 0.6667 - val_loss
       15.3666 - val_mean_absolute_error:
      4539
1484 Epoch 658/1000
      - 0s - loss: 0.7944
1485
     mean_absolute_error: 0.6379 - val_loss
       17.4944 - val_mean_absolute_error:
      6199
1486 Epoch 659/1000
1487 - 0s - loss: 0.8826 -
     mean_absolute_error: 0.6389 - val_loss
       17.0152 - val_mean_absolute_error:
      5534
1488 Epoch 660/1000
1489 - 0s - loss: 0.9019 -
     mean_absolute_error: 0.6783 - val_l<u>oss</u>
```

```
16.1862 - val_mean_absolute_error:
1489
     6032
1490
    Epoch 00660: val_mean_absolute_error
1491
     did not improve from 2.27145
1492 Epoch 661/1000
     - 0s - loss: 0.8728
1493
     mean_absolute_error: 0.6492 - val_loss
       16.3833 - val_mean_absolute_error: 2
     . 7116
1494 Epoch 662/1000
1495 - 0s - loss: 0.8859
     mean_absolute_error: 0.6757 - val_loss
       18.7516 - val_mean_absolute_error: 2
     7017
1496 Epoch 663/1000
     - 0s - loss: 0.8740 -
1497
     mean_absolute_error: 0.6485 - val_loss
       16.8844 - val_mean_absolute_error: 2
     6663
1498 Epoch 664/1000
1499 - 0s - loss: 0.9554
     mean_absolute_error: 0.6984 - val_loss
      16.5952 - val_mean_absolute_error: 2
```

```
File - boston01
      . 5951
1499
1500 Epoch 665/1000
      - 0s - loss: 0.8619
1501
     mean_absolute_error: 0.6612 - val_loss
       17.0769 - val_mean_absolute_error: 2
      6150
1502 Epoch 666/1000
1503 - 0s - loss: 0.9606 -
     mean_absolute_error: 0.6451 - val_loss
       16.9017 - val_mean_absolute_error:
      5880
1504 Epoch 667/1000
1505
      - 0s - loss: 0.8785
     mean_absolute_error: 0.6616 - val_loss
       16.1283 - val_mean_absolute_error:
      4620
1506 Epoch 668/1000
1507 - 0s - loss: 0.9271
     mean_absolute_error: 0.6670 - val_loss
       16.3949 - val_mean_absolute_error:
      5491
1508 Epoch 669/1000
1509 - 0s - loss: 0.8505 -
     mean_absolute_error: 0.6191 - val_l<u>oss</u>
```

```
18.0774 - val_mean_absolute_error: 2
1509 I
      6457
1510 Epoch 670/1000
     - 0s - loss: 0.9250 -
1511
     mean_absolute_error: 0.6859 - val_loss
       17.2872 - val_mean_absolute_error: 2
     . 5633
1512
1513 Epoch 00670: val_mean_absolute_error
     did not improve from 2.27145
1514 Epoch 671/1000
1515 - 0s - loss: 0.8633 -
     mean_absolute_error: 0.6282 - val_loss
       17.8498 - val_mean_absolute_error: 2
      5656
1516 Epoch 672/1000
1517 - 0s - loss: 0.8118 -
     mean_absolute_error: 0.6395 - val_loss
       17.3336 - val_mean_absolute_error: 2
     6605
1518 Epoch 673/1000
1519 - 0s - loss: 0.7218
     mean_absolute_error: 0.6242 - val_loss
      17.2049 - val_mean_absolute_error: 2
```

```
File - boston01
1519 . 6260
1520 Epoch 674/1000
1521 - 0s - Loss: 0.8899
     mean_absolute_error: 0.6488 - val_loss
       17.5089 - val_mean_absolute_error: 2
      6644
1522 Epoch 675/1000
1523 - 0s - loss: 0.8596
     mean_absolute_error: 0.6575 - val_loss
       17.2298 - val_mean_absolute_error:
      5192
1524 Epoch 676/1000
      - 0s - loss: 0.9019 -
1525 l
     mean_absolute_error: 0.6692 - val_loss
       16.8239 - val_mean_absolute_error:
      6076
1526 Epoch 677/1000
1527 - 0s - loss: 0.7896 -
     mean_absolute_error: 0.6364 - val_loss
       16.7833 - val_mean_absolute_error:
      5331
1528 Epoch 678/1000
1529 - 0s - loss: 0.8147 -
     mean_absolute_error: 0.6437 - val_l<u>oss</u>
```

```
17.3848 - val_mean_absolute_error: 2
1529
      6141
1530 Epoch 679/1000
     - 0s - loss: 0.7820 -
1531
     mean_absolute_error: 0.6065 - val_loss
       16.3575 - val_mean_absolute_error: 2
      5214
1532 Epoch 680/1000
1533
     - 0s - loss: 0.7758 -
     mean_absolute_error: 0.6404 - val_loss
       16.0698 - val_mean_absolute_error: 2
     4400
1534
    Epoch 00680: val_mean_absolute_error
1535
     did not improve from 2.27145
1536 Epoch 681/1000
     - 0s - loss: 0.8980 -
1537 l
     mean_absolute_error: 0.6840 - val_loss
       16.8573 - val_mean_absolute_error: 2
     5957
1538 Epoch 682/1000
1539 - 0s - loss: 0.7191
     mean_absolute_error: 0.5998 - val_loss
     16.5797 - val_mean_absolute_error: 2
```

```
File - boston01
1539 . 5818
1540 Epoch 683/1000
      - 0s - loss: 0.7472
1541
     mean_absolute_error: 0.6152 - val_loss
       16.2196 - val_mean_absolute_error: 2
      4521
1542 Epoch 684/1000
1543 - 0s - loss: 0.8639
     mean_absolute_error: 0.6472 - val_loss
       16.6963 - val_mean_absolute_error:
      5866
1544 Epoch 685/1000
1545
      - 0s - loss: 0.8063 -
     mean_absolute_error: 0.6102 - val_loss
       18.4014 - val_mean_absolute_error:
      6527
1546 Epoch 686/1000
1547 - 0s - loss: 0.8150 -
     mean_absolute_error: 0.6071 - val_loss
       18.1789 - val_mean_absolute_error:
      0228
1548 Epoch 687/1000
1549 - 0s - loss: 0.9181 -
     mean_absolute_error: 0.6796 - val_l<u>oss</u>
```

```
16.2700 - val_mean_absolute_error:
1549 I
      6706
1550 Epoch 688/1000
     - 0s - loss: 0.8664 -
1551
     mean_absolute_error: 0.6542 - val_loss
       17.6319 - val_mean_absolute_error: 2
     7021
1552 Epoch 689/1000
1553
     - 0s - loss: 0.7747 -
     mean_absolute_error: 0.6522 - val_loss
       16.3098 - val_mean_absolute_error: 2
      5740
1554 Epoch 690/1000
     - Os - loss: 0.7499 -
1555
     mean_absolute_error: 0.6226 - val_loss
      18.8074 - val_mean_absolute_error: 2
     . 7063
1556
1557 Epoch 00690: val_mean_absolute_error
     did not improve from 2.27145
1558 Epoch 691/1000
1559 - 0s - Loss: 0.7839
     mean_absolute_error: 0.6341 - val_loss
      17.4748 - val_mean_absolute_error: 2
```

```
File - boston01
1559 . 6668
1560 Epoch 692/1000
1561 - 0s - Loss: 0.8677
     mean_absolute_error: 0.6749 - val_loss
       17.1215 - val_mean_absolute_error: 2
      5193
1562 Epoch 693/1000
1563 - 0s - loss: 0.8444
     mean_absolute_error: 0.6421 - val_loss
       17.3120 - val_mean_absolute_error:
      6819
1564 Epoch 694/1000
1565 - Os - Loss: 0.7749 -
     mean_absolute_error: 0.6412 - val_loss
       16.9903 - val_mean_absolute_error:
      6076
1566 Epoch 695/1000
1567 - 0s - loss: 0.7683
     mean_absolute_error: 0.6173 - val_loss
       16.2455 - val_mean_absolute_error:
      6079
1568 Epoch 696/1000
1569 - 0s - loss: 0.7912 -
     mean_absolute_error: 0.6434 - val_loss
```

```
16.9322 - val_mean_absolute_error:
1569
     9000
1570 Epoch 697/1000
     - 0s - loss: 0.9582 -
1571
     mean_absolute_error: 0.6911 - val_loss
       16.7571 - val_mean_absolute_error: 2
      6060
1572 Epoch 698/1000
     - 0s - loss: 0.6157 -
1573
     mean_absolute_error: 0.5575 - val_loss
       16.9949 - val_mean_absolute_error: 2
      7992
1574 Epoch 699/1000
     - 0s - loss: 0.6880 -
1575 I
     mean_absolute_error: 0.5904 - val_loss
       18.8194 - val_mean_absolute_error: 2
      6615
1576 Epoch 700/1000
     - 0s - loss: 0.8967 -
1577 l
     mean_absolute_error: 0.6572 - val_loss
       16.1925 - val_mean_absolute_error: 2
     5512
1578
    Epoch 00700: val_mean_absolute_error
1579
```

```
17.8960 - val_mean_absolute_error:
1589
     6377
1590 Epoch 706/1000
     - 0s - loss: 0.8020 -
1591
     mean_absolute_error: 0.6380 - val_loss
       16.6313 - val_mean_absolute_error: 2
      6247
1592 Epoch 707/1000
1593
     - 0s - loss: 0.7601
     mean_absolute_error: 0.6228 - val_loss
       15.6194 - val_mean_absolute_error: 2
      5244
1594 Epoch 708/1000
     - 0s - loss: 0.7783 -
1595
     mean_absolute_error: 0.6168 - val_loss
       18.2392 - val_mean_absolute_error: 2
     7411
1596 Epoch 709/1000
     - 0s - loss: 0.7064
1597
     mean_absolute_error: 0.5631 - val_loss
       15.3107 - val_mean_absolute_error: 2
      5308
1598 Epoch 710/1000
     - 0s - loss: 0.7288
1599
```

```
1599 mean_absolute_error: 0.6053 - val_loss
       16.6945 - val_mean_absolute_error: 2
     5260
1600
1601 Epoch 00710: val_mean_absolute_error
     did not improve from 2.27145
1602 Epoch 711/1000
    - 0s - loss: 1.0681
1603
     mean_absolute_error: 0.7037 - val_loss
       17.3943 - val_mean_absolute_error:
     6248
1604 Epoch 712/1000
1605 - 0s - loss: 0.7678 -
     mean_absolute_error: 0.6246 - val_loss
       17.0308 - val_mean_absolute_error:
     4681
1606 Epoch 713/1000
1607 - 0s - loss: 0.7335 -
     mean_absolute_error: 0.6035 - val_loss
       16.6873 - val_mean_absolute_error:
     6267
1608 Epoch 714/1000
1609 - 0s - loss: 0.8000 -
     mean_absolute_error: 0.6193 - val_loss
```

```
16.9649 - val_mean_absolute_error:
1609
     6082
1610 Epoch 715/1000
     - 0s - loss: 0.7257 -
1611
     mean_absolute_error: 0.6061 - val_loss
       17.7417 - val_mean_absolute_error: 2
     5700
1612 Epoch 716/1000
1613
     - 0s - loss: 0.6895 -
     mean_absolute_error: 0.5810 - val_loss
       20.7893 - val_mean_absolute_error: 2
      9332
1614 Epoch 717/1000
     - 0s - loss: 0.9305 -
1615
     mean_absolute_error: 0.6688 - val_loss
      16.4114 - val_mean_absolute_error: 2
     5503
1616 Epoch 718/1000
     - 0s - loss: 0.8426 -
1617
     mean_absolute_error: 0.6298 - val_loss
       18.2157 - val_mean_absolute_error: 2
      6379
1618 Epoch 719/1000
1619 - 0s - loss: 0.6632
```

```
1619 mean_absolute_error: 0.5685 - val_loss
       18.2132 - val_mean_absolute_error: 2
      6669
1620 Epoch 720/1000
     - 0s - loss: 0.7069 -
1621
     mean_absolute_error: 0.5746 - val_loss
       18.5604 - val_mean_absolute_error: 2
     . 8619
1622
1623 Epoch 00720: val_mean_absolute_error
     did not improve from 2.27145
1624 Epoch 721/1000
1625 - Os - Loss: 0.7917 -
     mean_absolute_error: 0.6178 - val_loss
       17.9178 - val_mean_absolute_error: 2
      5906
1626 Epoch 722/1000
1627 - 0s - loss: 0.7402 -
     mean_absolute_error: 0.5992 - val_loss
       16.8080 - val_mean_absolute_error:
     5265
1628 Epoch 723/1000
1629 - 0s - loss: 0.6964 -
     mean_absolute_error: 0.6004 - val_loss
```

```
16.4410 - val_mean_absolute_error:
1629
     5041
1630 Epoch 724/1000
     - 0s - loss: 0.7960 -
1631
    mean_absolute_error: 0.6334 - val_loss
      17.9412 - val_mean_absolute_error: 2
     7612
1632 Epoch 725/1000
1633
     - 0s - loss: 0.7539 -
    mean_absolute_error: 0.6082 - val_loss
      15.7632 - val_mean_absolute_error: 2
     6176
1634 Epoch 726/1000
     - 0s - loss: 0.8370 -
1635
    mean_absolute_error: 0.6627 - val_loss
      16.8308 - val_mean_absolute_error: 2
     6258
1636 Epoch 727/1000
     - 0s - loss: 0.7276 -
1637
    18.5120 - val_mean_absolute_error: 2
     7152
1638 Epoch 728/1000
1639 - 0s - loss: 0.7036 -
```

```
1639 mean_absolute_error: 0.6112 - val_loss
       16.9802 - val_mean_absolute_error: 2
      6351
1640 Epoch 729/1000
     - 0s - loss: 0.7982 -
1641
     mean_absolute_error: 0.6444 - val_loss
       17.1027 - val_mean_absolute_error: 2
      6621
1642 Epoch 730/1000
1643 - 0s - loss: 0.7253 -
     mean_absolute_error: 0.5898 - val_loss
       17.8900 - val_mean_absolute_error: 2
     6783
1644
1645 Epoch 00730: val_mean_absolute_error
     did not improve from 2.27145
1646 Epoch 731/1000
1647 - 0s - loss: 0.6452 -
     mean_absolute_error: 0.5826 - val_loss
       16.5597 - val_mean_absolute_error:
     5565
1648 Epoch 732/1000
1649 - 0s - loss: 0.8401 -
     mean_absolute_error: 0.6508 - val_loss
```

```
18.0495 - val_mean_absolute_error:
1649
     7185
1650 Epoch 733/1000
     - 0s - loss: 0.7866 -
1651
     mean_absolute_error: 0.6259 - val_loss
      16.6836 - val_mean_absolute_error: 2
     6347
1652 Epoch 734/1000
1653
     - 0s - loss: 0.7258 -
     mean_absolute_error: 0.6154 - val_loss
       17.5846 - val_mean_absolute_error: 2
      7759
1654 Epoch 735/1000
     - 0s - loss: 0.7844 -
1655
     mean_absolute_error: 0.6080 - val_loss
       17.8534 - val_mean_absolute_error: 2
     6082
1656 Epoch 736/1000
     - 0s - loss: 0.7682 -
1657
     mean_absolute_error: 0.6295 - val_loss
       16.1343 - val_mean_absolute_error: 2
      5348
1658 Epoch 737/1000
1659 - 0s - loss: 0.7881
```

```
1659 mean_absolute_error: 0.6357 - val_loss
       15.7933 - val_mean_absolute_error: 2
      5284
1660 Epoch 738/1000
     - 0s - loss: 0.8030 -
1661
     mean_absolute_error: 0.6501 - val_loss
       15.6813 - val_mean_absolute_error: 2
      5846
1662 Epoch 739/1000
1663 - 0s - loss: 0.7815 -
     mean_absolute_error: 0.6147 - val_loss
       16.8932 - val_mean_absolute_error: 2
     7228
1664 Epoch 740/1000
    - 0s - loss: 0.7858
1665
     mean_absolute_error: 0.6547 - val_loss
      19.7938 - val_mean_absolute_error:
     . 7852
1666
    Epoch 00740: val_mean_absolute_error
1667
     did not improve from 2.27145
1668 Epoch 741/1000
1669 - 0s - loss: 0.7316 -
     mean_absolute_error: 0.6052 - val_loss
```

```
16.8252 - val_mean_absolute_error:
1669
      5462
1670 Epoch 742/1000
     - 0s - loss: 0.6884 -
1671
     mean_absolute_error: 0.5913 - val_loss
       16.7525 - val_mean_absolute_error: 2
      5847
1672 Epoch 743/1000
1673
     - 0s - loss: 0.7203 -
     mean_absolute_error: 0.6025 - val_loss
       17.2135 - val_mean_absolute_error: 2
      6040
1674 Epoch 744/1000
     - Os - loss: 0.7479 -
1675 l
     mean_absolute_error: 0.6223 - val_loss
       16.5422 - val_mean_absolute_error: 2
     6904
1676 Epoch 745/1000
     - 0s - loss: 0.8015 -
1677 l
     mean_absolute_error: 0.6303 - val_loss
       17.8362 - val_mean_absolute_error: 2
1678 Epoch 746/1000
1679 - 0s - loss: 0.7337
```

```
1679 mean_absolute_error: 0.5978 - val_loss
       16.6784 - val_mean_absolute_error: 2
      6257
1680 Epoch 747/1000
     - 0s - loss: 0.7700 -
1681
     mean_absolute_error: 0.6259 - val_loss
       16.8470 - val_mean_absolute_error: 2
      6858
1682 Epoch 748/1000
1683 - 0s - loss: 0.7626 -
     mean_absolute_error: 0.6150 - val_loss
       15.9177 - val_mean_absolute_error: 2
     6332
1684 Epoch 749/1000
    - 0s - loss: 0.7206 -
1685
     mean_absolute_error: 0.6104 - val_loss
       16.3843 - val_mean_absolute_error:
      5607
1686 Epoch 750/1000
     - 0s - loss: 0.7223 -
1687
     mean_absolute_error: 0.6162 - val_loss
       17.5538 - val_mean_absolute_error:
     . 6203
```

1688

```
1689 Epoch 00750: val_mean_absolute_error
     did not improve from 2.27145
1690 Epoch 751/1000
     - 0s - loss: 0.9510 -
1691
     mean_absolute_error: 0.6711 - val_loss
       17.1220 - val_mean_absolute_error: 2
     5857
1692 Epoch 752/1000
1693
     - 0s - loss: 0.7195 -
     mean_absolute_error: 0.5772 - val_loss
       17.3871 - val_mean_absolute_error: 2
      5886
1694 Epoch 753/1000
     - 0s - loss: 0.6988 -
1695
     mean_absolute_error: 0.5479 - val_loss
       20.5904 - val_mean_absolute_error: 2
     9169
1696 Epoch 754/1000
     - 0s - loss: 0.7470 -
1697
     mean_absolute_error: 0.6318 - val_loss
       17.2776 - val_mean_absolute_error: 2
      5705
1698 Epoch 755/1000
     - 0s - loss: 0.8373
1699
```

```
1699 mean_absolute_error: 0.6178 - val_loss
       17.7498 - val_mean_absolute_error: 2
      6970
1700 Epoch 756/1000
1701 - 0s - loss: 0.6051 -
     mean_absolute_error: 0.5568 - val_loss
       17.2314 - val_mean_absolute_error: 2
      5923
1702 Epoch 757/1000
1703 - 0s - loss: 0.7193 -
     mean_absolute_error: 0.6184 - val_loss
       17.4023 - val_mean_absolute_error: 2
     5904
1704 Epoch 758/1000
1705 - 0s - loss: 0.6826 -
     mean_absolute_error: 0.5828 - val_loss
     : 19.5870 - val_mean_absolute_error: 2
     8417
1706 Epoch 759/1000
1707 - 0s - loss: 0.6917 -
     mean_absolute_error: 0.5991 - val_loss
       16.5196 - val_mean_absolute_error:
      6300
1708 Epoch 760/1000
```

```
- 0s - loss: 0.7400 -
1709
     mean_absolute_error: 0.6104 - val_loss
       16.1504 - val_mean_absolute_error: 2
     . 7160
1710
    Epoch 00760: val_mean_absolute_error
1711
     did not improve from 2.27145
1712 Epoch 761/1000
1713 l
     - 0s - loss: 0.7397 -
     mean_absolute_error: 0.5874 - val_loss
       16.3383 - val_mean_absolute_error: 2
      6045
1714 Epoch 762/1000
     - 0s - loss: 0.7089 -
1715
     mean_absolute_error: 0.5922 - val_loss
       17.5507 - val_mean_absolute_error: 2
      6237
1716 Epoch 763/1000
1717 - 0s - loss: 0.9247 -
     mean_absolute_error: 0.7083 - val_loss
       15.3323 - val_mean_absolute_error: 2
      5655
1718 Epoch 764/1000
1719 - 0s - loss: 0.7284
```

```
1719 mean_absolute_error: 0.6062 - val_loss
       18.2277 - val_mean_absolute_error: 2
      6848
1720 Epoch 765/1000
1721 - 0s - loss: 0.7474 -
     mean_absolute_error: 0.6267 - val_loss
       16.3763 - val_mean_absolute_error: 2
     5686
1722 Epoch 766/1000
1723 - 0s - loss: 0.6500 -
     mean_absolute_error: 0.5561 - val_loss
       16.3486 - val_mean_absolute_error: 2
     6133
1724 Epoch 767/1000
1725 - 0s - loss: 0.6850 -
     mean_absolute_error: 0.6066 - val_loss
      16.4459 - val_mean_absolute_error: 2
     5737
1726 Epoch 768/1000
1727 - 0s - loss: 0.7427 -
     mean_absolute_error: 0.6065 - val_loss
       16.3419 - val_mean_absolute_error:
      6227
1728 Epoch 769/1000
```

```
- 0s - loss: 0.7429 -
1729
     mean_absolute_error: 0.5910 - val_loss
       16.9846 - val_mean_absolute_error: 2
      6277
1730 Epoch 770/1000
1731 - 0s - loss: 0.6887 -
     mean_absolute_error: 0.5725 - val_l<u>oss</u>
       16.7501 - val_mean_absolute_error: 2
     7758
1732
1733 Epoch 00770: val_mean_absolute_error
     did not improve from 2.27145
1734 Epoch 771/1000
     - 0s - loss: 0.8071 -
1735
     mean_absolute_error: 0.6248 - val_loss
       17.3262 - val_mean_absolute_error: 2
      5492
1736 Epoch 772/1000
     - 0s - loss: 0.7025 -
1737
     mean_absolute_error: 0.5680 - val_loss
       22.8048 - val_mean_absolute_error: 3
      0358
1738 Epoch 773/1000
1739 - 0s - loss: 0.7865 -
```

```
1739 mean_absolute_error: 0.6035 - val_loss
      16.3908 - val_mean_absolute_error: 2
     5624
1740 Epoch 774/1000
     - 0s - Loss: 0.5898 -
1741
    19.3585 - val_mean_absolute_error: 2
     9240
1742 Epoch 775/1000
1743 - 0s - loss: 0.7860 -
    mean_absolute_error: 0.6255 - val_loss
      18.9217 - val_mean_absolute_error: 2
     . 7078
1744 Epoch 776/1000
1745 - 0s - loss: 0.5856 -
    mean_absolute_error: 0.5279 - val_loss
      17.1676 - val_mean_absolute_error: 2
     6037
1746 Epoch 777/1000
1747 - 0s - loss: 0.8468 -
    mean_absolute_error: 0.6630 - val_loss
      16.5500 - val_mean_absolute_error:
     5980
1748 Epoch 778/1000
```

```
- 0s - loss: 0.8030 -
1749
     mean_absolute_error: 0.6114 - val_loss
       18.7050 - val_mean_absolute_error: 2
      6531
1750 Epoch 779/1000
1751 - 0s - loss: 0.7119 -
     mean_absolute_error: 0.5825 - val_loss
       16.1374 - val_mean_absolute_error:
      6355
1752 Epoch 780/1000
1753 - 0s - loss: 0.7871 -
     mean_absolute_error: 0.6156 - val_loss
      16.6313 - val_mean_absolute_error:
     . 5653
1754
    Epoch 00780: val_mean_absolute_error
     did not improve from 2.27145
1756 Epoch 781/1000
     - 0s - loss: 0.7163 -
1757 l
     mean_absolute_error: 0.5897 - val_loss
       17.4323 - val_mean_absolute_error: 2
     7066
1758 Epoch 782/1000
1759 - 0s - loss: 0.7653
```

```
1759 mean_absolute_error: 0.5971 - val_loss
      16.5572 - val_mean_absolute_error: 2
     6073
1760 Epoch 783/1000
     - 0s - loss: 0.5888 -
1761
    mean_absolute_error: 0.5287 - val_loss
      17.2432 - val_mean_absolute_error: 2
     6081
1762 Epoch 784/1000
1763 - 0s - loss: 0.8922 -
    mean_absolute_error: 0.6620 - val_loss
      15.9242 - val_mean_absolute_error: 2
     5564
1764 Epoch 785/1000
1765 - 0s - loss: 0.6159 -
    mean_absolute_error: 0.5584 - val_loss
      17.5648 - val_mean_absolute_error:
     5273
1766 Epoch 786/1000
1767 - 0s - loss: 0.6818 -
    16.4343 - val_mean_absolute_error:
     6038
1768 Epoch 787/1000
```

```
- 0s - loss: 0.6440 -
1769
    mean_absolute_error: 0.5717 - val_loss
      17.6443 - val_mean_absolute_error: 2
     6938
1770 Epoch 788/1000
1771 - 0s - loss: 0.6845 -
    17.2539 - val_mean_absolute_error: 2
     7434
1772 Epoch 789/1000
1773 - Os - Loss: 0.8213 -
    mean_absolute_error: 0.6473 - val_loss
      18.1050 - val_mean_absolute_error:
     6518
1774 Epoch 790/1000
     - 0s - Loss: 0.7353 -
1775
    mean_absolute_error: 0.6144 - val_loss
      16.4360 - val_mean_absolute_error: 2
     6442
1776
    Epoch 00790: val_mean_absolute_error
1777
    did not improve from 2.27145
1778 Epoch 791/1000
1779 - 0s - loss: 0.6520
```

```
1779 mean_absolute_error: 0.5887 - val_loss
       17.3436 - val_mean_absolute_error: 2
     7281
1780 Epoch 792/1000
1781 - 0s - loss: 0.6559 -
     mean_absolute_error: 0.5745 - val_loss
       18.8986 - val_mean_absolute_error: 2
     7185
1782 Epoch 793/1000
1783 - 0s - loss: 0.7168 -
     mean_absolute_error: 0.5748 - val_loss
       15.9334 - val_mean_absolute_error: 2
     5212
1784 Epoch 794/1000
1785 - 0s - Loss: 0.6887
     mean_absolute_error: 0.5660 - val_loss
      19.1978 - val_mean_absolute_error:
     6656
1786 Epoch 795/1000
1787 - 0s - loss: 0.8328 -
     mean_absolute_error: 0.6154 - val_loss
       17.2160 - val_mean_absolute_error:
     6155
1788 Epoch 796/1000
```

```
- 0s - loss: 0.7331 -
1789
    mean_absolute_error: 0.5894 - val_loss
      17.2916 - val_mean_absolute_error: 2
     6424
1790 Epoch 797/1000
     - 0s - loss: 0.7704 -
1791 |
    mean_absolute_error: 0.6317 - val_loss
      18.4199 - val_mean_absolute_error: 2
     9854
1792 Epoch 798/1000
1793 - 0s - loss: 0.5839 -
    16.1971 - val_mean_absolute_error:
     5659
1794 Epoch 799/1000
     - 0s - loss: 0.6573 -
1795
    mean_absolute_error: 0.5975 - val_loss
      17.3254 - val_mean_absolute_error: 2
     6721
1796 Epoch 800/1000
     - 0s - loss: 0.7760 -
1797
    mean_absolute_error: 0.6383 - val_loss
      17.2227 - val_mean_absolute_error: 2
     6264
```

```
1798
1799 Epoch 00800: val_mean_absolute_error
     did not improve from 2.27145
1800 Epoch 801/1000
1801 - 0s - loss: 0.6043 -
     mean_absolute_error: 0.5640 - val_loss
       17.7059 - val_mean_absolute_error: 2
     7011
1802 Epoch 802/1000
1803 - 0s - loss: 0.8153 -
     mean_absolute_error: 0.6564 - val_loss
       18.5131 - val_mean_absolute_error: 2
     . 7693
1804 Epoch 803/1000
    - 0s - loss: 0.6390
1805
     mean_absolute_error: 0.5517 - val_loss
       16.4514 - val_mean_absolute_error:
      6141
1806 Epoch 804/1000
1807 - 0s - loss: 0.7236 -
     mean_absolute_error: 0.6152 - val_loss
       17.4166 - val_mean_absolute_error:
     7071
1808 Epoch 805/1000
```

```
- 0s - loss: 0.6474 -
1809
    mean_absolute_error: 0.5691 - val_loss
      18.9387 - val_mean_absolute_error: 2
     7363
1810 Epoch 806/1000
1811 - 0s - loss: 0.8338 -
    mean_absolute_error: 0.6577 - val_loss
      19.1497 - val_mean_absolute_error:
     8189
1812 Epoch 807/1000
1813 - 0s - loss: 0.6578 -
    18.5657 - val_mean_absolute_error:
     8989
1814 Epoch 808/1000
    - 0s - loss: 0.8065 -
1815
    mean_absolute_error: 0.6295 - val_loss
      17.9424 - val_mean_absolute_error: 2
     6252
1816 Epoch 809/1000
    - 0s - loss: 0.5725 -
1817
    : 18.3552 - val_mean_absolute_error: 2
    6641
```

1828 Epoch 814/1000

```
- 0s - loss: 0.6836 -
1829
    16.2100 - val_mean_absolute_error: 2
     7178
1830 Epoch 815/1000
     - 0s - loss: 0.6868 -
1831
    mean_absolute_error: 0.6029 - val_loss
      16.6034 - val_mean_absolute_error:
     6116
1832 Epoch 816/1000
1833 - Os - Loss: 0.7286 -
    mean_absolute_error: 0.6205 - val_loss
      18.6536 - val_mean_absolute_error:
     6875
1834 Epoch 817/1000
     - 0s - loss: 0.7507 -
1835
    mean_absolute_error: 0.5704 - val loss
      18.6446 - val_mean_absolute_error: 2
     7299
1836 Epoch 818/1000
     - 0s - loss: 0.6519 -
1837
    mean_absolute_error: 0.5589 - val_loss
    : 18.2030 - val_mean_absolute_error: 2
     6574
```

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1848 Epoch 823/1000

```
- 0s - loss: 0.6528 -
1849
     mean_absolute_error: 0.5612 - val_loss
       18.4373 - val_mean_absolute_error:
      8587
1850 Epoch 824/1000
     - 0s - loss: 0.6954 -
1851
     mean_absolute_error: 0.5937 - val_loss
       16.9084 - val_mean_absolute_error:
     7045
1852 Epoch 825/1000
1853 - Os - Loss: 0.6694 -
     mean_absolute_error: 0.5821 - val_loss
       16.7311 - val_mean_absolute_error:
      7390
1854 Epoch 826/1000
     - 0s - loss: 0.7008 -
1855
     mean_absolute_error: 0.5983 - val_loss
       17.5927 - val_mean_absolute_error: 2
      6284
1856 Epoch 827/1000
     - 0s - loss: 0.6380 -
1857
     mean_absolute_error: 0.5728 - val_loss
      17.9012 - val_mean_absolute_error: 2
     7666
```

1868 Epoch 832/1000

```
- 0s - loss: 0.6051 -
1869
    16.8800 - val_mean_absolute_error:
     5751
1870 Epoch 833/1000
     - 0s - loss: 0.6683 -
1871 l
    mean_absolute_error: 0.5721 - val_loss
      18.8471 - val_mean_absolute_error:
     7507
1872 Epoch 834/1000
1873 - 0s - Loss: 0.7201
    mean_absolute_error: 0.6015 - val_loss
      18.9489 - val_mean_absolute_error:
     6842
1874 Epoch 835/1000
     - 0s - loss: 0.6617 -
1875
    mean_absolute_error: 0.5716 - val_loss
      16.1077 - val_mean_absolute_error: 2
     6579
1876 Epoch 836/1000
     - 0s - loss: 0.7316 -
1877
    mean_absolute_error: 0.5967 - val_loss
      18.2793 - val_mean_absolute_error: 2
     6262
```

1887 Epoch 00840: val_mean_absolute_error did not improve from 2.27145

1888 Epoch 841/1000

```
- 0s - loss: 0.6131 -
1889
     mean_absolute_error: 0.5626 - val_loss
       19.5121 - val_mean_absolute_error:
      8222
1890 Epoch 842/1000
     - 0s - loss: 0.5976 -
1891
     mean_absolute_error: 0.5561 - val_loss
       19.2599 - val_mean_absolute_error:
     7503
1892 Epoch 843/1000
1893 - Os - Loss: 0.6293 -
     mean_absolute_error: 0.5722 - val_loss
       18.4233 - val_mean_absolute_error:
     6681
1894 Epoch 844/1000
     - 0s - loss: 0.7342 -
1895
     mean_absolute_error: 0.6048 - val_loss
       17.2859 - val_mean_absolute_error: 2
      6155
1896 Epoch 845/1000
     - 0s - loss: 0.6050 -
1897
     mean_absolute_error: 0.5460 - val_loss
     : 16.5860 - val_mean_absolute_error: 2
     6020
```

1906 Epoch 850/1000 1907 - 0s - loss: 0.8112 -

mean_absolute_error: 0.6424 - val_loss : 17.4686 - val_mean_absolute_error: 2

```
File - boston01
      . 6332
1907
1908
1909 Epoch 00850: val_mean_absolute_error
     did not improve from 2.27145
1910 Epoch 851/1000
1911 - 0s - loss: 0.6548 -
     mean_absolute_error: 0.5461 - val_loss
       16.9847 - val_mean_absolute_error: 2
      6397
1912 Epoch 852/1000
1913 - 0s - loss: 0.6354 -
     mean_absolute_error: 0.5749 - val_loss
       18.2630 - val_mean_absolute_error: 2
      7292
1914 Epoch 853/1000
1915 - 0s - loss: 0.6192 -
     mean_absolute_error: 0.5752 - val_loss
       19.2909 - val_mean_absolute_error: 2
      7825
1916 Epoch 854/1000
      - 0s - loss: 0.6462 -
1917
     mean_absolute_error: 0.5211 - val_loss
     : 19.0833 - val_mean_absolute_error: 2
      8248
```

1926 Epoch 859/1000 1927 - Os - Loss: 0.6667 mean_absolute_error: 0.5904 - val_loss : 17.1717 - val_mean_absolute_error: 2

```
File - boston01
     . 8155
1927
1928 Epoch 860/1000
1929 - 0s - loss: 0.7320
     mean_absolute_error: 0.5973 - val_loss
       17.3781 - val_mean_absolute_error: 2
      6404
1930
1931 Epoch 00860: val_mean_absolute_error
     did not improve from 2.27145
1932 Epoch 861/1000
1933 - 0s - loss: 0.5728 -
     mean_absolute_error: 0.5304 - val_loss
       21.7618 - val_mean_absolute_error:
      8892
1934 Epoch 862/1000
1935
      - 0s - Loss: 0.5915 -
     mean_absolute_error: 0.5513 - val_loss
       19.0882 - val_mean_absolute_error: 2
      8821
1936 Epoch 863/1000
      - 0s - loss: 0.7103 -
1937
     mean_absolute_error: 0.5764 - val_loss
     : 18.1396 - val_mean_absolute_error: 2
      . 6151
```

1946 Epoch 868/1000 1947 - 0s - Loss: 0.6679 -

mean_absolute_error: 0.5612 - val_loss : 16.7642 - val_mean_absolute_error: 2

```
File - boston01
1947 . 7980
1948 Epoch 869/1000
1949 - 0s - loss: 0.7740
     mean_absolute_error: 0.6178 - val_loss
       18.4434 - val_mean_absolute_error: 2
      6721
1950 Epoch 870/1000
1951
     - 0s - loss: 0.5040 -
     mean_absolute_error: 0.4988 - val_loss
      17.5392 - val_mean_absolute_error:
     . 5854
1952
1953 Epoch 00870: val_mean_absolute_error
     did not improve from 2.27145
1954 Epoch 871/1000
     - 0s - loss: 0.6029 -
1955
     mean_absolute_error: 0.5361 - val_loss
       20.2739 - val_mean_absolute_error: 2
      7267
1956 Epoch 872/1000
     - 0s - loss: 0.7032 -
1957
     : 17.7646 - val_mean_absolute_error: 2
      7097
```

1966 Epoch 877/1000 1967 - 0s - Loss: 0.5988 -

mean_absolute_error: 0.5542 - val_loss : 17.0248 - val_mean_absolute_error: 2

```
File - boston01
1967 . 6485
1968 Epoch 878/1000
1969 - 0s - loss: 0.7438
     mean_absolute_error: 0.6184 - val_loss
       16.8990 - val_mean_absolute_error: 2
      6644
1970 Epoch 879/1000
1971 - 0s - loss: 0.6502 -
     mean_absolute_error: 0.5794 - val_loss
       18.1262 - val_mean_absolute_error:
      6993
1972 Epoch 880/1000
1973 - 0s - loss: 0.6616 -
     19.8085 - val_mean_absolute_error:
     8246
1974
1975 Epoch 00880: val_mean_absolute_error
     did not improve from 2.27145
1976 Epoch 881/1000
     - 0s - loss: 0.6078 -
1977
     mean_absolute_error: 0.5652 - val_loss
     : 18.5552 - val_mean_absolute_error: 2
     6916
```

1986 Epoch 886/1000

1987 - 0s - loss: 0.7040 - mean_absolute_error: 0.5742 - val_loss : 18.1727 - val_mean_absolute_error: 2

```
File - boston01
1987 . 7508
1988 Epoch 887/1000
      - 0s - loss: 0.6389
1989
     mean_absolute_error: 0.5598 - val_loss
       17.8141 - val_mean_absolute_error: 2
      6337
1990 Epoch 888/1000
1991
      - 0s - Loss: 0.5732
     mean_absolute_error: 0.5353 - val_loss
       17.2546 - val_mean_absolute_error:
      8817
1992 Epoch 889/1000
      - 0s - loss: 0.5409 -
1993
     mean_absolute_error: 0.4947 - val_loss
       17.9460 - val_mean_absolute_error:
      7532
1994 Epoch 890/1000
      - 0s - loss: 0.6921
1995
     mean_absolute_error: 0.5982 - val_loss
       16.8904 - val_mean_absolute_error:
      8282
1996
     Epoch 00890: val_mean_absolute_error
1997
     did not improve from 2.27145
```

2006 Epoch 895/1000
2007 - Os - Loss: 0.6282 mean_absolute_error: 0.5568 - val_loss
: 19.6967 - val_mean_absolute_error: 2

```
File - boston01
2007 . 8218
2008 Epoch 896/1000
2009 - 0s - loss: 0.6113
     mean_absolute_error: 0.5627 - val_loss
       16.8238 - val_mean_absolute_error: 2
      5879
2010 Epoch 897/1000
2011 - 0s - loss: 0.6655
     mean_absolute_error: 0.6049 - val_loss
       19.3061 - val_mean_absolute_error:
      8495
2012 Epoch 898/1000
2013 - 0s - loss: 0.5365 -
     mean_absolute_error: 0.5174 - val_loss
       16.3168 - val_mean_absolute_error:
      6695
2014 Epoch 899/1000
2015 - 0s - loss: 0.6109 -
     mean_absolute_error: 0.5464 - val_loss
       16.2803 - val_mean_absolute_error:
      6191
2016 Epoch 900/1000
2017 - 0s - loss: 0.6572 -
     mean_absolute_error: 0.5788 - val_loss
```

```
18.6051 - val_mean_absolute_error: 2
2017
     7756
2018
2019 Epoch 00900: val_mean_absolute_error
    did not improve from 2.27145
2020 Epoch 901/1000
    - 0s - loss: 0.7150 -
2021
    mean_absolute_error: 0.5990 - val_loss
      17.6979 - val_mean_absolute_error: 2
     6820
2022 Epoch 902/1000
2023 - 0s - loss: 0.5734 -
    mean_absolute_error: 0.5238 - val_loss
      19.1446 - val_mean_absolute_error: 2
     9192
2024 Epoch 903/1000
   - 0s - loss: 0.6411 -
2025
    17.7851 - val_mean_absolute_error: 2
     6676
2026 Epoch 904/1000
2027 - 0s - loss: 0.6015
    16.8019 - val_mean_absolute_error: 2
```

```
File - boston01
    . 6063
2027
2028 Epoch 905/1000
2029 - 0s - loss: 0.6470
    mean_absolute_error: 0.5561 - val_loss
      16.9608 - val_mean_absolute_error: 2
     5823
2030 Epoch 906/1000
    - 0s - loss: 0.6247
2031
    16.8436 - val_mean_absolute_error:
     7035
2032 Epoch 907/1000
     - 0s - loss: 0.5272
2033 l
    16.6951 - val_mean_absolute_error:
     7465
2034 Epoch 908/1000
2035 - 0s - loss: 0.6470 -
    mean_absolute_error: 0.6006 - val_loss
      17.1470 - val_mean_absolute_error:
     7032
2036 Epoch 909/1000
2037 - 0s - loss: 0.5388 -
    mean_absolute_error: 0.5039 - val_loss
```

```
20.4734 - val_mean_absolute_error: 2
2037
     9134
2038 Epoch 910/1000
2039 - 0s - loss: 0.6168 -
     mean_absolute_error: 0.5290 - val_loss
       17.3255 - val_mean_absolute_error: 2
     . 5947
2040
     Epoch 00910: val_mean_absolute_error
2041
     did not improve from 2.27145
2042 Epoch 911/1000
2043 - 0s - loss: 0.6609 -
     mean_absolute_error: 0.5729 - val_loss
       17.2705 - val_mean_absolute_error: 2
      6065
2044 Epoch 912/1000
     - 0s - loss: 0.5905 -
2045
     mean_absolute_error: 0.5464 - val_loss
       18.3954 - val_mean_absolute_error: 2
     7008
2046 Epoch 913/1000
2047 - 0s - loss: 0.5365
     mean_absolute_error: 0.5214 - val_loss
     17.1662 - val_mean_absolute_error: 2
```

```
File - boston01
     . 8061
2047
2048 Epoch 914/1000
2049 - 0s - loss: 0.6468
     mean_absolute_error: 0.5755 - val_loss
       16.3005 - val_mean_absolute_error: 2
      6648
2050 Epoch 915/1000
     - 0s - loss: 0.5090
2051
     mean_absolute_error: 0.5138 - val_loss
       17.6628 - val_mean_absolute_error:
      7808
2052 Epoch 916/1000
      - 0s - loss: 0.6243 -
2053 l
     mean_absolute_error: 0.5804 - val_loss
       19.5881 - val_mean_absolute_error: 3
      0674
2054 Epoch 917/1000
     - 0s - loss: 0.7380 -
2055
     mean_absolute_error: 0.6189 - val_loss
       16.3874 - val_mean_absolute_error:
      6264
2056 Epoch 918/1000
2057 - 0s - loss: 0.6265 -
     mean_absolute_error: 0.5559 - val_loss
```

```
18.5478 - val_mean_absolute_error: 2
2057
     7225
2058 Epoch 919/1000
     - 0s - loss: 0.4881 -
2059
    17.9540 - val_mean_absolute_error: 2
     6384
2060 Epoch 920/1000
2061
     - 0s - loss: 0.6522 -
    mean_absolute_error: 0.5867 - val_loss
      18.6254 - val_mean_absolute_error: 2
     . 7639
2062
2063 Epoch 00920: val_mean_absolute_error
    did not improve from 2.27145
2064 Epoch 921/1000
     - 0s - loss: 0.5530 -
2065
    mean_absolute_error: 0.5050 - val_loss
      20.9677 - val_mean_absolute_error: 3
     1677
2066 Epoch 922/1000
2067 - 0s - Loss: 0.6771
    mean_absolute_error: 0.5735 - val_loss
     17.1678 - val_mean_absolute_error: 2
```

```
File - boston01
2067 . 6131
2068 Epoch 923/1000
2069 - 0s - loss: 0.6447
     mean_absolute_error: 0.5480 - val_loss
       17.4595 - val_mean_absolute_error: 2
      6758
2070 Epoch 924/1000
     - 0s - loss: 0.5162 -
2071
     mean_absolute_error: 0.5026 - val_loss
       18.1469 - val_mean_absolute_error:
      6854
2072 Epoch 925/1000
2073 - 0s - loss: 0.6135 -
     mean_absolute_error: 0.5570 - val_loss
       17.8089 - val_mean_absolute_error:
      7405
2074 Epoch 926/1000
2075 - 0s - loss: 0.6162 -
     mean_absolute_error: 0.5575 - val_loss
       20.5451 - val_mean_absolute_error:
      9676
2076 Epoch 927/1000
2077 - 0s - loss: 0.6286 -
     mean_absolute_error: 0.5334 - val_loss
```

```
16.8136 - val_mean_absolute_error: 2
2077
      6684
2078 Epoch 928/1000
2079 - 0s - loss: 0.4905 -
     mean_absolute_error: 0.5013 - val_loss
       16.9613 - val_mean_absolute_error: 2
      6269
2080 Epoch 929/1000
2081
     - 0s - loss: 0.7943 -
     mean_absolute_error: 0.6246 - val_loss
       18.4351 - val_mean_absolute_error: 2
      7645
2082 Epoch 930/1000
     - 0s - loss: 0.5819 -
2083
     mean_absolute_error: 0.5398 - val_loss
       18.5999 - val_mean_absolute_error: 2
     . 6536
2084
2085 Epoch 00930: val_mean_absolute_error
     did not improve from 2.27145
2086 Epoch 931/1000
2087 - 0s - loss: 0.6002
     mean_absolute_error: 0.5345 - val_loss
      17.3766 - val_mean_absolute_error: 2
```

```
File - boston01
2087 . 7121
2088 Epoch 932/1000
2089 - 0s - loss: 0.5836
     mean_absolute_error: 0.5412 - val_loss
       16.8479 - val_mean_absolute_error: 2
      . 7481
2090 Epoch 933/1000
     - 0s - Loss: 0.5595
2091
     mean_absolute_error: 0.5501 - val_loss
       17.7851 - val_mean_absolute_error:
      9774
2092 Epoch 934/1000
      - 0s - loss: 0.6722 -
2093
     mean_absolute_error: 0.5291 - val_loss
       18.0338 - val_mean_absolute_error:
      7626
2094 Epoch 935/1000
2095 - 0s - loss: 0.6943 -
     mean_absolute_error: 0.5978 - val_loss
       19.3134 - val_mean_absolute_error:
      8420
2096 Epoch 936/1000
2097 - 0s - loss: 0.5229 -
     mean_absolute_error: 0.5020 - val_loss
```

```
18.6808 - val_mean_absolute_error:
2097
      6442
2098 Epoch 937/1000
     - 0s - loss: 0.5449 -
2099
     mean_absolute_error: 0.5295 - val_loss
       17.5293 - val_mean_absolute_error: 2
      6826
2100 Epoch 938/1000
     - 0s - loss: 0.5831
2101
     mean_absolute_error: 0.5445 - val loss
       19.0858 - val_mean_absolute_error: 2
      6265
2102 Epoch 939/1000
     - 0s - loss: 0.5945 -
2103
     mean_absolute_error: 0.5539 - val_loss
       18.7649 - val_mean_absolute_error: 2
      6304
2104 Epoch 940/1000
     - 0s - loss: 0.5957
2105
     mean_absolute_error: 0.5124 - val_loss
       18.1169 - val_mean_absolute_error: 2
     9158
2106
    Epoch 00940: val_mean_absolute_error
2107
```

```
17.7365 - val_mean_absolute_error: 2
2117
      9522
2118 Epoch 946/1000
2119 - 0s - loss: 0.5600 -
     mean_absolute_error: 0.5201 - val_loss
       18.9579 - val_mean_absolute_error: 2
      7756
2120 Epoch 947/1000
     - 0s - loss: 0.6408 -
2121
     mean_absolute_error: 0.5683 - val_loss
       17.7952 - val_mean_absolute_error: 2
     7507
2122 Epoch 948/1000
     - 0s - loss: 0.5972 -
2123 l
     mean_absolute_error: 0.5608 - val_loss
       17.5954 - val_mean_absolute_error: 2
     6614
2124 Epoch 949/1000
2125 - 0s - loss: 0.5722 -
     mean_absolute_error: 0.5418 - val_loss
       18.4117 - val_mean_absolute_error: 2
      6513
2126 Epoch 950/1000
2127 - 0s - loss: 0.5823
```

```
2127 mean_absolute_error: 0.5550 - val_loss
       17.3527 - val_mean_absolute_error: 2
     7750
2128
2129 Epoch 00950: val_mean_absolute_error
     did not improve from 2.27145
2130 Epoch 951/1000
    - 0s - loss: 0.5699
2131
     mean_absolute_error: 0.5423 - val_loss
       17.5516 - val_mean_absolute_error: 2
      5635
2132 Epoch 952/1000
2133 - 0s - loss: 0.5947 -
     mean_absolute_error: 0.5582 - val_loss
       18.1451 - val_mean_absolute_error: 2
      6751
2134 Epoch 953/1000
2135 - 0s - loss: 0.5778 -
     mean_absolute_error: 0.5474 - val_loss
       16.5314 - val_mean_absolute_error:
     6996
2136 Epoch 954/1000
2137 - 0s - loss: 0.6423 -
     mean_absolute_error: 0.5629 - val_loss
```

```
18.4419 - val_mean_absolute_error: 2
2137
      6652
2138 Epoch 955/1000
2139 - 0s - loss: 0.4964 -
     mean_absolute_error: 0.4903 - val_loss
       18.0781 - val_mean_absolute_error: 2
      7010
2140 Epoch 956/1000
     - 0s - loss: 0.5894 -
2141
     mean_absolute_error: 0.5486 - val_loss
       17.6743 - val_mean_absolute_error: 2
      5868
2142 Epoch 957/1000
     - 0s - loss: 0.5153 -
2143
     mean_absolute_error: 0.5007 - val_loss
       19.7196 - val_mean_absolute_error: 2
     7968
2144 Epoch 958/1000
    - 0s - loss: 0.6682 -
2145
     mean_absolute_error: 0.6025 - val_loss
       18.8779 - val_mean_absolute_error: 2
      7955
2146 Epoch 959/1000
2147 - 0s - loss: 0.5006 -
```

```
2147 mean_absolute_error: 0.4948 - val_loss
      21.5325 - val_mean_absolute_error: 2
     9301
2148 Epoch 960/1000
2149 - 0s - loss: 0.5273 -
    mean_absolute_error: 0.5448 - val_loss
      19.1821 - val_mean_absolute_error: 2
     . 8265
2150
    Epoch 00960: val_mean_absolute_error
2151
    did not improve from 2.27145
2152 Epoch 961/1000
2153 - 0s - loss: 0.6669 -
    17.3721 - val_mean_absolute_error: 2
     6171
2154 Epoch 962/1000
2155 - 0s - loss: 0.4698 -
    mean_absolute_error: 0.4999 - val_loss
      16.7687 - val_mean_absolute_error:
     5552
2156 Epoch 963/1000
2157 - 0s - loss: 0.6465 -
    mean_absolute_error: 0.5554 - val_loss
```

```
18.4333 - val_mean_absolute_error: 2
2157
     8113
2158 Epoch 964/1000
2159 - 0s - loss: 0.4702 -
    17.6186 - val_mean_absolute_error: 2
     7205
2160 Epoch 965/1000
     - 0s - loss: 0.5650 -
2161
    mean_absolute_error: 0.5391 - val_loss
      17.8714 - val_mean_absolute_error: 2
     6924
2162 Epoch 966/1000
     - 0s - loss: 0.6069 -
2163
    mean_absolute_error: 0.5337 - val_loss
      17.1937 - val_mean_absolute_error: 2
     7997
2164 Epoch 967/1000
    - 0s - loss: 0.5730 -
2165
    mean_absolute_error: 0.5153 - val_loss
      17.1349 - val_mean_absolute_error: 2
     6485
2166 Epoch 968/1000
2167 - 0s - loss: 0.6087
```

```
2167 mean_absolute_error: 0.5600 - val_loss
      17.2676 - val_mean_absolute_error: 2
     6382
2168 Epoch 969/1000
2169 - 0s - loss: 0.5319 -
    mean_absolute_error: 0.5181 - val_loss
      16.8506 - val_mean_absolute_error: 2
     7989
2170 Epoch 970/1000
2171 - 0s - loss: 0.5227
    mean_absolute_error: 0.4906 - val_loss
      18.5016 - val_mean_absolute_error: 2
     . 8612
2172
2173 Epoch 00970: val_mean_absolute_error
    did not improve from 2.27145
2174 Epoch 971/1000
    - 0s - loss: 0.5614 -
2175
    mean_absolute_error: 0.5415 - val_loss
      16.5438 - val_mean_absolute_error:
     6089
2176 Epoch 972/1000
2177 - 0s - loss: 0.5170 -
```

```
18.1494 - val_mean_absolute_error: 2
2177
     6580
2178 Epoch 973/1000
     - 0s - loss: 0.4466 -
2179 l
    17.7854 - val_mean_absolute_error: 2
     6671
2180 Epoch 974/1000
     - 0s - loss: 0.6087 -
2181
    mean_absolute_error: 0.5335 - val_loss
      17.6712 - val_mean_absolute_error: 2
     6751
2182 Epoch 975/1000
     - 0s - loss: 0.4300 -
2183
    mean_absolute_error: 0.4685 - val_loss
      17.3319 - val_mean_absolute_error: 2
     . 7137
2184 Epoch 976/1000
    - 0s - loss: 0.5458
2185
    mean_absolute_error: 0.5674 - val_loss
      17.8837 - val_mean_absolute_error: 3
     0343
2186 Epoch 977/1000
2187 - 0s - loss: 0.6574
```

```
2187 mean_absolute_error: 0.5228 - val_loss
      17.8416 - val_mean_absolute_error: 2
     7168
2188 Epoch 978/1000
2189 - 0s - loss: 0.5961
    mean_absolute_error: 0.5501 - val_loss
      17.8697 - val_mean_absolute_error: 2
     6601
2190 Epoch 979/1000
2191 - 0s - loss: 0.4555 ·
    18.0268 - val_mean_absolute_error: 2
     6275
2192 Epoch 980/1000
2193 - 0s - loss: 0.5339
    mean_absolute_error: 0.5122 - val_loss
      17.0228 - val_mean_absolute_error:
     6686
2194
    Epoch 00980: val_mean_absolute_error
2195
    did not improve from 2.27145
2196 Epoch 981/1000
2197 - 0s - loss: 0.6744 -
    mean_absolute_error: 0.5726 - val_loss
```

```
18.2011 - val_mean_absolute_error: 2
2197
      6538
2198 Epoch 982/1000
2199 - 0s - loss: 0.4669 -
     mean_absolute_error: 0.4696 - val_loss
       16.9392 - val_mean_absolute_error: 2
      6919
2200 Epoch 983/1000
     - 0s - loss: 0.5285 -
2201
     mean_absolute_error: 0.5208 - val_loss
       17.7415 - val_mean_absolute_error: 2
     7121
2202 Epoch 984/1000
     - 0s - loss: 0.6621 -
2203
     mean_absolute_error: 0.5629 - val_loss
       18.7903 - val_mean_absolute_error: 2
      6989
2204 Epoch 985/1000
    - 0s - loss: 0.4952 -
2205
     mean_absolute_error: 0.5082 - val_loss
       21.0248 - val_mean_absolute_error: 2
      7728
2206 Epoch 986/1000
2207 - 0s - loss: 0.5738
```

```
2207 mean_absolute_error: 0.5021 - val_loss
      16.7250 - val_mean_absolute_error: 2
     6042
2208 Epoch 987/1000
2209 - 0s - loss: 0.4547 -
    17.5899 - val_mean_absolute_error: 2
     6434
2210 Epoch 988/1000
2211 - 0s - loss: 0.6514 -
    mean_absolute_error: 0.5788 - val_loss
      22.1738 - val_mean_absolute_error: 3
     0849
2212 Epoch 989/1000
2213 - 0s - Loss: 0.6021
    mean_absolute_error: 0.5359 - val_loss
      16.6721 - val_mean_absolute_error: 2
     5530
2214 Epoch 990/1000
     - 0s - loss: 0.5515 -
2215
    mean_absolute_error: 0.5273 - val_loss
      16.7452 - val_mean_absolute_error:
     . 6389
```

2216

```
2217 Epoch 00990: val_mean_absolute_error
     did not improve from 2.27145
2218 Epoch 991/1000
2219 - 0s - loss: 0.4798 -
     mean_absolute_error: 0.5010 - val_loss
       18.0271 - val_mean_absolute_error: 2
     6868
2220 Epoch 992/1000
     - 0s - loss: 0.5430 -
2221
     mean_absolute_error: 0.5425 - val_loss
       16.8991 - val_mean_absolute_error: 2
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2222 Epoch 993/1000
     - 0s - loss: 0.4827 -
2223
     mean_absolute_error: 0.5047 - val_loss
       18.0146 - val_mean_absolute_error: 2
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2224 Epoch 994/1000
2225 - 0s - loss: 0.5472 -
     mean_absolute_error: 0.5257 - val_loss
       17.3264 - val_mean_absolute_error: 2
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2226 Epoch 995/1000
2227 - 0s - loss: 0.6095
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2227 mean_absolute_error: 0.5642 - val_loss
      18.0109 - val_mean_absolute_error: 2
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2228 Epoch 996/1000
2229 - 0s - loss: 0.4798 -
    mean_absolute_error: 0.4984 - val_loss
      17.7690 - val_mean_absolute_error: 2
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2230 Epoch 997/1000
2231 - 0s - loss: 0.5676 -
    18.7165 - val_mean_absolute_error: 2
     7219
2232 Epoch 998/1000
2233 - 0s - loss: 0.5153
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      17.6944 - val_mean_absolute_error: 2
     7206
2234 Epoch 999/1000
     - 0s - loss: 0.5714 -
2235
    mean_absolute_error: 0.5536 - val_loss
      16.5394 - val_mean_absolute_error:
     6937
2236 Epoch 1000/1000
```

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- 0s - loss: 0.5889 -
2237
     mean_absolute_error: 0.5355 - val_loss
       20.5825 - val_mean_absolute_error:
     . 8348
2238
     Epoch 01000: val_mean_absolute_error
2239
     did not improve from 2.27145
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2243 ##############

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2245 results test_mean_absolute_error: 3.
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2246 #################

2247

2248 Process finished with exit code 0

2249
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