```
1 ssh: //root@103.254.67.181:10006/usr/bi n/
   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 train_data.shape[1] =
16 model.metrics_names = ['loss',
   mean_absolute_error']
17
```

41 2019-05-29 14:00:37.902592: I tensorflow /core/common_runtime/gpu/gpu_device.cc:

76Gi B

```
1511] Adding visible gpu devices: 0
41
42 2019-05-29 14:00:38.258665: I tensorflow
   /core/common_runtime/gpu/gpu_device.cc:
   982] Device interconnect StreamExecutor
   with strength 1 edge matrix:
43 2019-05-29 14:00:38.258731: I tensorflow
   /core/common_runtime/gpu/gpu_device.cc:
   9881
44 2019-05-29 14:00:38.258743: I tensorflow
   /core/common_runtime/gpu/gpu_device.cc:
   1001] 0:
45 2019-05-29 14:00:38.259046: I tensorflow
   /core/common_runtime/gpu/gpu_device.cc:
   1115] Created TensorFlow device (/job:
   localhost/replica: 0/task: 0/device: GPU: 0
   with 10409 MB memory) -> physical GPU
   device: 0, name: GeForce GTX 1080 Ti,
   pci bus id: 0000:82:00.0, compute
   capability: 6.1)
   - 1s - loss: 471.5940 -
46
   mean_absolute_error: 19.6536 - val_loss
   424.8124 - val_mean_absolute_error: 18
    6245
  Epoch 2/10000
```

```
- 0s - loss: 275.6189 -
48
   mean_absolute_error: 14.3167 - val_loss
    204.4962 - val_mean_absolute_error: 12
   0718
49 Epoch 3/10000
   - Os - Loss: 119.4769 -
50
   mean_absolute_error: 8.5255 - val_loss:
   81.4873 - val_mean_absolute_error: 6.
   6576
51 Epoch 4/10000
   - Os - Loss: 74.9496 -
52
   mean_absolute_error: 6.5919 - val_loss:
   51.3152 - val_mean_absolute_error: 5.
   1051
53 Epoch 5/10000
   - 0s - loss: 52.9017 -
54
   mean_absolute_error: 5.3775 - val_loss:
   39.2213 - val_mean_absolute_error: 4.
   4722
55 Epoch 6/10000
   - 0s - loss: 41.8747 -
56
   mean_absolute_error: 4.8004 - val_loss:
   31.8489 - val_mean_absolute_error: 3.
   9460
```

```
57 Epoch 7/10000
   - 0s - loss: 40.8760 -
58
   mean_absolute_error: 4.6790 - val_loss:
   26.6481 - val_mean_absolute_error: 3.
   5528
59 Epoch 8/10000
   - 0s - loss: 43.8384 -
60
   mean_absolute_error: 4.8038 - val_loss:
   23.4272 - val_mean_absolute_error: 3.
   5633
61 Epoch 9/10000
   - 0s - loss: 42.5370 -
62
   mean_absolute_error: 4.6766 - val_loss:
   23.5720 - val_mean_absolute_error: 3.
   4395
63 Epoch 10/10000
   - 0s - loss: 34.4287 -
64
   mean_absolute_error: 4.0822 - val_loss:
   22.8763 - val_mean_absolute_error: 3.
   5767
65
66 Epoch 00010: saving model to ./model/
   model_best.h5
67 Epoch 11/10000
```

```
- 0s - loss: 37.6187 -
68
   mean_absolute_error: 4.4915 - val_loss:
   21.0415 - val_mean_absolute_error: 3.
   3021
69 Epoch 12/10000
70 - 0s - loss: 34.1498 -
   mean_absolute_error: 4.1982 - val_loss:
   19.5111 - val_mean_absolute_error: 3.
   2871
71 Epoch 13/10000
   - 0s - loss: 38.8213 -
72
   mean_absolute_error: 4.3694 - val_loss:
   19.0995 - val_mean_absolute_error: 3.
   2874
73 Epoch 14/10000
   - 0s - loss: 33.3443 -
74
   mean_absolute_error: 4.1826 - val_loss:
   20.4755 - val_mean_absolute_error: 3.
   3057
75 Epoch 15/10000
   - Os - Loss: 34.1739 -
76
   mean_absolute_error: 4.4722 - val_loss:
   18.1836 - val_mean_absolute_error: 3.
   1729
```

```
77 Epoch 16/10000
   - 0s - loss: 31.9572 -
78
   mean_absolute_error: 4.0749 - val_loss
     16.8288 - val_mean_absolute_error: 3.
   1399
79 Epoch 17/10000
80 - 0s - loss: 36.6419 -
   mean_absolute_error: 4.4136 - val_loss
     16.2828 - val_mean_absolute_error: 3.
   1127
81 Epoch 18/10000
   - 0s - loss: 31.0082 -
82 l
   mean_absolute_error: 4.0521 - val_loss
     16.7676 - val_mean_absolute_error: 3.
   1650
83 Epoch 19/10000
   - 0s - Loss: 31.0220 -
84 I
   mean_absolute_error: 4.0688 - val_loss
   19.9436 - val_mean_absolute_error: 3.
   2981
85 Epoch 20/10000
   - 0s - loss: 32.7628 -
86 I
   mean_absolute_error: 4.2313 - val_loss
    15.9747 - val_mean_absolute_error: 3.
```

8729

mean_absolute_error: 4.0364 - val_loss

13.8277 - val_mean_absolute_error: 2.

```
97 Epoch 25/10000
    - 0s - loss: 29.8019 -
98
    mean_absolute_error: 4.0653 - val_loss
    14.2329 - val_mean_absolute_error: 2.
    9209
99 Epoch 26/10000
100 - 0s - loss: 28.5796 -
    mean_absolute_error: 3.9193 - val_loss
     13.1368 - val_mean_absolute_error: 2.
    7698
101 Epoch 27/10000
    - 0s - loss: 30.8099 -
102 l
    mean_absolute_error: 4.0459 - val_loss
     13.1719 - val_mean_absolute_error: 2.
    8073
103 Epoch 28/10000
104 - 0s - loss: 28.9890 -
    mean_absolute_error: 3.7942 - val_loss
    12.8025 - val_mean_absolute_error: 2.
    7951
105 Epoch 29/10000
    - 0s - loss: 28.4277 -
106 l
    mean_absolute_error: 3.9302 - val_loss
     13.1567 - val_mean_absolute_error: 2.
```

```
117 Epoch 34/10000
    - 0s - loss: 27.5808 -
118
    mean_absolute_error: 3.8979 - val_loss
     12.7843 - val_mean_absolute_error: 2.
    8189
119 Epoch 35/10000
120 - 0s - loss: 28.4051 -
    mean_absolute_error: 3.8974 - val_loss
     12.9988 - val_mean_absolute_error: 2.
    8277
121 Epoch 36/10000
    - 0s - loss: 25.5010 -
122 l
    mean_absolute_error: 3.7122 - val_loss
     12.9928 - val_mean_absolute_error: 2.
    8505
123 Epoch 37/10000
124 - 0s - loss: 25.9259 -
    mean_absolute_error: 3.8775 - val_loss
    12.5756 - val_mean_absolute_error: 2.
    6619
125 Epoch 38/10000
126 - 0s - loss: 31.4776 -
    mean_absolute_error: 3.9477 - val_loss
     12.1661 - val_mean_absolute_error: 2.
```

9485

14.3435 - val_mean_absolute_error: 2.

```
137 Epoch 43/10000
    - 0s - loss: 28.9909 -
138
    mean_absolute_error: 3.9775 - val_loss
    13.3563 - val_mean_absolute_error: 2.
    8229
139 Epoch 44/10000
140 - 0s - loss: 28.7084 -
    mean_absolute_error: 3.8778 - val_loss
     12.4784 - val_mean_absolute_error: 2.
    6716
141 Epoch 45/10000
142 - 0s - loss: 27.1686 -
    mean_absolute_error: 3.8493 - val_loss
    13.3704 - val_mean_absolute_error: 2.
    8283
143 Epoch 46/10000
144 - 0s - loss: 28.0532 -
    mean_absolute_error: 3.8111 - val_loss
    13.1967 - val_mean_absolute_error: 2.
    7082
145 Epoch 47/10000
    - 0s - loss: 24.3670
146 l
    mean_absolute_error: 3.7825 - val_loss
     12.2840 - val_mean_absolute_error: 2.
```

7560

```
157 Epoch 52/10000
    - 0s - loss: 28.7794 -
158
    mean_absolute_error: 3.9412 - val_loss
      11.6077 - val_mean_absolute_error: 2.
    5994
159 Epoch 53/10000
160 - 0s - loss: 23.2483 -
    mean_absolute_error: 3.5410 - val_loss
     11.6106 - val_mean_absolute_error: 2.
    5399
161 Epoch 54/10000
    - 0s - loss: 25.7321 -
162 l
    mean_absolute_error: 3.8223 - val_loss
      12.7658 - val_mean_absolute_error: 2.
    7503
163 Epoch 55/10000
164 - 0s - loss: 21.4908 -
    mean_absolute_error: 3.4355 - val_loss
     12.4427 - val_mean_absolute_error: 2.
    7483
165 Epoch 56/10000
    - 0s - loss: 23.3762 -
166 l
    mean_absolute_error: 3.6141 - val_loss
     12.0837 - val_mean_absolute_error: 2.
```

model_best.h5

```
177 Epoch 61/10000
    - 0s - loss: 26.6833 -
178
    mean_absolute_error: 3.7480 - val_loss
     12.8776 - val_mean_absolute_error: 2.
    7834
179 Epoch 62/10000
180 - 0s - loss: 28.3396 -
    mean_absolute_error: 3.9055 - val_loss
     15.0888 - val_mean_absolute_error: 3.
    0557
181 Epoch 63/10000
    - 0s - loss: 21.2075 -
182 l
    mean_absolute_error: 3.3125 - val_loss
     11.2469 - val_mean_absolute_error: 2.
    6019
183 Epoch 64/10000
184 - 0s - loss: 23.9888 -
    mean_absolute_error: 3.7179 - val_loss
    11.3453 - val_mean_absolute_error: 2.
    5853
185 Epoch 65/10000
    - 0s - loss: 20.5686 -
186 l
    mean_absolute_error: 3.5012 - val_loss
     11.7069 - val_mean_absolute_error: 2.
```

```
13.3230 - val_mean_absolute_error: 2.
196
    7862
197
198 Epoch 00070: saving model to ./model/
    model_best.h5
199 Epoch 71/10000
    - 0s - loss: 20.9660 -
200
    mean_absolute_error: 3.3728 - val_loss
     11.9626 - val_mean_absolute_error: 2.
    5940
201 Epoch 72/10000
    - 0s - Loss: 22.4514 -
202 l
    mean_absolute_error: 3.5683 - val_loss
     11.6738 - val_mean_absolute_error: 2.
    5898
203 Epoch 73/10000
204 - 0s - loss: 26.2873 -
    mean_absolute_error: 3.7544 - val_loss
     12.1893 - val_mean_absolute_error: 2.
    6892
205 Epoch 74/10000
    - 0s - loss: 24.7445 -
206 l
    mean_absolute_error: 3.5811 - val_loss
     12.4293 - val_mean_absolute_error: 2.
```

```
13.5209 - val_mean_absolute_error: 2.
216
    7557
217 Epoch 80/10000
    - 0s - loss: 24.9090 -
218
    mean_absolute_error: 3.4498 - val_loss
      13.6664 - val_mean_absolute_error: 2.
    8444
219
   Epoch 00080: saving model to ./model/
220
    model best.h5
221 Epoch 81/10000
    - 0s - loss: 22.5629 -
222 I
    mean_absolute_error: 3.3942 - val_loss
      12.1311 - val_mean_absolute_error: 2.
    6762
223 Epoch 82/10000
224 - 0s - loss: 24.8289 -
    mean_absolute_error: 3.7665 - val_loss
     12.4785 - val_mean_absolute_error: 2.
    7774
225 Epoch 83/10000
    - 0s - loss: 20.5774 -
226
    mean_absolute_error: 3.3643 - val_loss
     11.9487 - val_mean_absolute_error: 2.
```

```
11.9730 - val_mean_absolute_error: 2.
236
    6196
237 Epoch 89/10000
    - 0s - loss: 22.3339 -
238
    mean_absolute_error: 3.5834 - val_loss
    : 11.7838 - val_mean_absolute_error: 2.
    6415
239 Epoch 90/10000
    - 0s - loss: 26.0073 -
240
    mean_absolute_error: 3.6826 - val_loss
     11.5779 - val_mean_absolute_error: 2.
    6563
241
242 Epoch 00090: saving model to ./model/
    model_best.h5
243 Epoch 91/10000
244 - 0s - loss: 19.6499 -
    mean_absolute_error: 3.2233 - val_loss
     12.1865 - val_mean_absolute_error: 2.
    6896
245 Epoch 92/10000
    - 0s - loss: 21.8195 -
246 l
    mean_absolute_error: 3.3227 - val_loss
     12.1796 - val_mean_absolute_error: 2.
```

```
File - boston01
246 6399
247 Epoch 93/10000
     - 0s - loss: 19.6122 -
248 l
    mean_absolute_error: 3.2208 - val_loss
      15.3679 - val_mean_absolute_error: 2.
    9777
249 Epoch 94/10000
     - 0s - loss: 23.2611 -
250 l
    mean_absolute_error: 3.4962 - val_loss
     12.9478 - val_mean_absolute_error: 2.
    7309
251 Epoch 95/10000
     - 0s - loss: 22.0983 -
252 I
    mean_absolute_error: 3.4693 - val_loss
     13.1296 - val_mean_absolute_error: 2.
    7515
253 Epoch 96/10000
     - 0s - loss: 25.0859 -
254 l
    mean_absolute_error: 3.6200 - val_loss
    : 12.8214 - val_mean_absolute_error: 2.
    7381
255 Epoch 97/10000
     - 0s - loss: 27.1598 -
256
    mean_absolute_error: 3.8038 - val_loss
```

```
13.2098 - val_mean_absolute_error: 2.
256
    8021
257 Epoch 98/10000
    - 0s - loss: 20.5087 -
258
    mean_absolute_error: 3.2614 - val_loss
    : 12.1029 - val_mean_absolute_error: 2.
    6788
259 Epoch 99/10000
    - 0s - loss: 20.8087 -
260
    mean_absolute_error: 3.2980 - val_loss
    12.0119 - val_mean_absolute_error: 2.
    6901
261 Epoch 100/10000
    - 0s - loss: 22.6300 -
262
    mean_absolute_error: 3.4296 - val_loss
      12.1564 - val_mean_absolute_error: 2.
    6112
263
   Epoch 00100: saving model to ./model/
    model_best.h5
265 Epoch 101/10000
    - 0s - loss: 21.7879 -
266 I
    mean_absolute_error: 3.4555 - val_loss
     12.5125 - val_mean_absolute_error: 2.
```

```
12.7423 - val_mean_absolute_error: 2.
276
    7343
277 Epoch 107/10000
    - 0s - loss: 21.8305 -
278 l
    mean_absolute_error: 3.3781 - val_loss
    : 14.4094 - val_mean_absolute_error: 2.
    8930
279 Epoch 108/10000
    - 0s - loss: 22.1373 -
280
    mean_absolute_error: 3.4011 - val_loss
     12.1810 - val_mean_absolute_error: 2.
    6822
281 Epoch 109/10000
    - 0s - loss: 19.8754 -
282 l
    mean_absolute_error: 3.2471 - val_loss
      12.9833 - val_mean_absolute_error: 2.
    6792
283 Epoch 110/10000
    - 0s - loss: 20.1972 -
284 I
    mean_absolute_error: 3.3304 - val_loss
      14.6482 - val_mean_absolute_error: 2.
    9202
285
    Epoch 00110: saving model to ./model/
286
```

5550 295 Epoch 115/10000

296 - Os - Loss: 21.1013 - mean_absolute_error: 3.3249 - val_loss

```
12.1557 - val_mean_absolute_error: 2.
296
    6807
297 Epoch 116/10000
    - 0s - loss: 20.1505 -
298
    mean_absolute_error: 3.2884 - val_loss
    : 11.8172 - val_mean_absolute_error: 2.
    5400
299 Epoch 117/10000
300
    - 0s - loss: 23.0681 -
    mean_absolute_error: 3.4684 - val_loss
    11.9033 - val_mean_absolute_error: 2.
    6188
301 Epoch 118/10000
    - 0s - loss: 23.9615 -
302
    mean_absolute_error: 3.5159 - val_loss
      11.9365 - val_mean_absolute_error: 2.
    5642
303 Epoch 119/10000
    - 0s - loss: 21.0665 -
304 I
    mean_absolute_error: 3.3009 - val_loss
      12.1050 - val_mean_absolute_error: 2.
    5789
305 Epoch 120/10000
    - 0s - loss: 18.8578 -
306 l
```

```
306 mean_absolute_error: 3.2933 - val_loss
      13.5045 - val_mean_absolute_error: 2.
    8033
307
308 Epoch 00120: saving model to ./model/
    model_best.h5
309 Epoch 121/10000
310 - 0s - loss: 18.3800 -
    mean_absolute_error: 3.1549 - val_loss
     12.7283 - val_mean_absolute_error: 2.
    6751
311 Epoch 122/10000
312 - 0s - loss: 20.1642 -
    mean_absolute_error: 3.3292 - val_loss
    : 13.7817 - val_mean_absolute_error: 2.
    7882
313 Epoch 123/10000
314 - 0s - Loss: 20.2001 -
    mean_absolute_error: 3.3436 - val_loss
    : 12.7668 - val_mean_absolute_error: 2.
    6365
315 Epoch 124/10000
316 - 0s - loss: 21.6772 -
    mean_absolute_error: 3.3193 - val_loss
```

```
12.2673 - val_mean_absolute_error: 2.
316
    7031
317 Epoch 125/10000
    - 0s - loss: 21.0685 -
318
    mean_absolute_error: 3.2309 - val_loss
    : 12.8740 - val_mean_absolute_error: 2.
    7249
319 Epoch 126/10000
320
    - 0s - loss: 19.7185 -
    mean_absolute_error: 3.1243 - val_loss
     13.5857 - val_mean_absolute_error: 2.
    6985
321 Epoch 127/10000
    - 0s - loss: 20.4672 -
322
    mean_absolute_error: 3.3461 - val_loss
      16.5940 - val_mean_absolute_error: 3.
    1308
323 Epoch 128/10000
    - 0s - loss: 21.2011 -
324
    mean_absolute_error: 3.3216 - val_loss
      12.6382 - val_mean_absolute_error: 2.
    6998
325 Epoch 129/10000
    - 0s - loss: 20.2822
326 l
```

```
326 mean_absolute_error: 3.2669 - val_loss
      12.2984 - val_mean_absolute_error: 2.
    7008
327 Epoch 130/10000
    - 0s - loss: 21.7544 -
328
    mean_absolute_error: 3.3061 - val_loss
      12.6237 - val_mean_absolute_error: 2.
    6247
329
   Epoch 00130: saving model to ./model/
330
    model_best.h5
331 Epoch 131/10000
    - 0s - Loss: 18.0724 -
332
    mean_absolute_error: 3.1351 - val_loss
    : 13.2900 - val_mean_absolute_error: 2.
    7366
333 Epoch 132/10000
    - 0s - loss: 22.0091 -
334
    mean_absolute_error: 3.3903 - val_loss
    : 12.7819 - val_mean_absolute_error: 2.
    5938
335 Epoch 133/10000
    - 0s - loss: 18.9877 -
336
    mean_absolute_error: 3.1729 - val_loss
```

```
12.2557 - val_mean_absolute_error: 2.
336
    5954
337 Epoch 134/10000
    - 0s - loss: 22.2989 -
338
    mean_absolute_error: 3.4734 - val_loss
    : 11.8620 - val_mean_absolute_error: 2.
    6152
339 Epoch 135/10000
340
    - 0s - loss: 18.8819 -
    mean_absolute_error: 3.0934 - val_loss
     12.4550 - val_mean_absolute_error: 2.
    5957
341 Epoch 136/10000
    - 0s - loss: 19.7813 -
342 l
    mean_absolute_error: 3.1976 - val_loss
     11.8638 - val_mean_absolute_error: 2.
    5167
343 Epoch 137/10000
    - 0s - Loss: 15.9166 -
344
    mean_absolute_error: 2.9841 - val_loss
      13.6102 - val_mean_absolute_error: 2.
    7853
345 Epoch 138/10000
    - 0s - loss: 21.9529
346 l
```

```
346 mean_absolute_error: 3.3388 - val_loss
      13.6934 - val_mean_absolute_error: 2.
    7167
347 Epoch 139/10000
    - 0s - loss: 18.8445 -
348
    mean_absolute_error: 3.2091 - val_loss
    15.5024 - val_mean_absolute_error: 3.
    0503
349 Epoch 140/10000
    - Os - Loss: 18.7841 -
350
    mean_absolute_error: 3.2160 - val_loss
     12.4627 - val_mean_absolute_error: 2.
    6630
351
352 Epoch 00140: saving model to ./model/
    model_best.h5
353 Epoch 141/10000
354 - 0s - loss: 18.5380 -
    mean_absolute_error: 3.2212 - val_loss
    12.2907 - val_mean_absolute_error: 2.
    6243
355 Epoch 142/10000
    - 0s - loss: 20.6895 -
356 l
    mean_absolute_error: 3.2053 - val_loss
```

```
12.5218 - val_mean_absolute_error: 2.
356
    5857
357 Epoch 143/10000
    - 0s - loss: 20.9871 -
358
    mean_absolute_error: 3.2372 - val_loss
    : 13.2518 - val_mean_absolute_error: 2.
    7107
359 Epoch 144/10000
360
    - 0s - loss: 18.9100 -
    mean_absolute_error: 3.1137 - val_loss
     13.0870 - val_mean_absolute_error: 2.
    6157
361 Epoch 145/10000
    - 0s - loss: 20.0072 -
362
    mean_absolute_error: 3.2605 - val_loss
      12.1918 - val_mean_absolute_error: 2.
    6474
363 Epoch 146/10000
364
    - 0s - loss: 22.9800 -
    mean_absolute_error: 3.3811 - val_loss
      12.4903 - val_mean_absolute_error: 2.
    5777
365 Epoch 147/10000
    - 0s - loss: 17.5006 -
366 l
```

```
366 mean_absolute_error: 3.0892 - val_loss
      12.9034 - val_mean_absolute_error: 2.
    6570
367 Epoch 148/10000
    - 0s - loss: 22.3944 -
368
    mean_absolute_error: 3.3560 - val_loss
      12.6303 - val_mean_absolute_error: 2.
    5786
369 Epoch 149/10000
370 - 0s - loss: 17.2608 -
    mean_absolute_error: 2.9074 - val_loss
     11.9831 - val_mean_absolute_error: 2.
    6280
371 Epoch 150/10000
    - 0s - loss: 18.4430 -
372
    mean_absolute_error: 3.1057 - val_loss
      12.1260 - val_mean_absolute_error: 2.
    5453
373
   Epoch 00150: saving model to ./model/
374
    model_best.h5
375 Epoch 151/10000
376
    - 0s - loss: 21.8887 -
    mean_absolute_error: 3.4884 - val_loss
```

```
12.0285 - val_mean_absolute_error: 2.
376
    6071
377 Epoch 152/10000
    - 0s - loss: 20.4878 -
378
    mean_absolute_error: 3.1021 - val_loss
    : 13.0847 - val_mean_absolute_error: 2.
    8004
379 Epoch 153/10000
380
    - 0s - loss: 20.3392 -
    mean_absolute_error: 3.2942 - val_loss
    12.0568 - val_mean_absolute_error: 2.
    6390
381 Epoch 154/10000
    - 0s - loss: 20.4135 -
382
    mean_absolute_error: 3.2507 - val_loss
    12.1221 - val_mean_absolute_error: 2.
    7019
383 Epoch 155/10000
    - 0s - loss: 16.2324 -
384 I
    mean_absolute_error: 3.0194 - val_loss
      11.7185 - val_mean_absolute_error: 2.
    5665
385 Epoch 156/10000
    - 0s - loss: 18.0156 -
386
```

```
386 mean_absolute_error: 3.0458 - val_loss
      12.3354 - val_mean_absolute_error: 2.
    6185
387 Epoch 157/10000
    - 0s - loss: 17.6352 -
388
    mean_absolute_error: 3.1378 - val_loss
      12.0483 - val_mean_absolute_error: 2.
    6107
389 Epoch 158/10000
    - 0s - loss: 24.0184 -
390
    mean_absolute_error: 3.4167 - val_loss
     12.3099 - val_mean_absolute_error: 2.
    5996
391 Epoch 159/10000
    - 0s - loss: 18.4451
392
    mean_absolute_error: 3.1755 - val_loss
     12.3724 - val_mean_absolute_error: 2.
    6196
393 Epoch 160/10000
    - 0s - loss: 17.3422 -
394
    mean_absolute_error: 2.9758 - val_loss
     12.4419 - val_mean_absolute_error: 2.
    6324
395
```

```
396 Epoch 00160: saving model to ./model/
    model best.h5
397 Epoch 161/10000
    - 0s - loss: 17.7402 -
398
    mean_absolute_error: 3.1484 - val_loss
    : 12.3449 - val_mean_absolute_error: 2.
    6021
399 Epoch 162/10000
400
    - 0s - loss: 17.6350 -
    mean_absolute_error: 2.9880 - val_loss
    13.4061 - val_mean_absolute_error: 2.
    7609
401 Epoch 163/10000
    - 0s - loss: 20.3174 -
402
    mean_absolute_error: 3.3153 - val_loss
     13.0097 - val_mean_absolute_error: 2.
    7667
403 Epoch 164/10000
    - 0s - loss: 19.2180 -
404
    mean_absolute_error: 3.2110 - val loss
      11.4287 - val_mean_absolute_error: 2.
    5262
405 Epoch 165/10000
    - 0s - loss: 20.3728 -
406 l
```

```
406 mean_absolute_error: 3.1662 - val_loss
      13.6125 - val_mean_absolute_error: 2.
    8538
407 Epoch 166/10000
    - 0s - loss: 17.6886 -
408
    mean_absolute_error: 3.1023 - val_loss
     13.1537 - val_mean_absolute_error: 2.
    8064
409 Epoch 167/10000
410 - 0s - loss: 21.6655 -
    mean_absolute_error: 3.2575 - val_loss
     12.4317 - val_mean_absolute_error: 2.
    6840
411 Epoch 168/10000
    - 0s - loss: 18.0353 -
412
    mean_absolute_error: 3.1577 - val_loss
     12.2426 - val_mean_absolute_error: 2.
    6564
413 Epoch 169/10000
414 - 0s - loss: 18.0541 -
    mean_absolute_error: 3.0675 - val_loss
     12.7904 - val_mean_absolute_error: 2.
    6309
415 Epoch 170/10000
```

```
- 0s - loss: 19.0934 -
416
    mean_absolute_error: 3.0293 - val_loss
      12.5903 - val_mean_absolute_error: 2.
    6769
417
   Epoch 00170: saving model to ./model/
418
    model_best.h5
419 Epoch 171/10000
    - 0s - loss: 21.8668 -
420
    mean_absolute_error: 3.2399 - val_loss
     13.7565 - val_mean_absolute_error: 2.
    7733
421 Epoch 172/10000
    - 0s - loss: 18.0038 -
422
    mean_absolute_error: 3.1254 - val_loss
     12.6531 - val_mean_absolute_error: 2.
    6521
423 Epoch 173/10000
    - 0s - loss: 15.6618 -
424
    mean_absolute_error: 2.8494 - val_loss
     13.7669 - val_mean_absolute_error: 2.
    8037
425 Epoch 174/10000
    - 0s - loss: 18.3935
426 l
```

```
426 mean_absolute_error: 3.0842 - val_loss
      13.2138 - val_mean_absolute_error: 2.
    6068
427 Epoch 175/10000
    - 0s - loss: 18.4775 -
428
    mean_absolute_error: 3.0144 - val_loss
      12.3778 - val_mean_absolute_error: 2.
    7265
429 Epoch 176/10000
    - 0s - loss: 18.7748 -
430
    mean_absolute_error: 3.2087 - val_loss
     12.1940 - val_mean_absolute_error: 2.
    5743
431 Epoch 177/10000
    - 0s - loss: 17.8176 -
432
    mean_absolute_error: 3.0848 - val_loss
      12.3778 - val_mean_absolute_error: 2.
    6458
433 Epoch 178/10000
434 - Os - loss: 16.5418 -
    mean_absolute_error: 3.0441 - val_loss
     12.2747 - val_mean_absolute_error: 2.
    6435
   Epoch 179/10000
435
```

```
- 0s - loss: 19.5304 -
436
    mean_absolute_error: 3.1491 - val_loss
     14.8114 - val_mean_absolute_error: 2.
    8797
437 Epoch 180/10000
    - 0s - loss: 18.6394 -
438
    mean_absolute_error: 3.2377 - val_loss
     13.1974 - val_mean_absolute_error: 2.
    7250
439
440 Epoch 00180: saving model to ./model/
    model_best.h5
441 Epoch 181/10000
    - 0s - loss: 18.8817 -
442
    mean_absolute_error: 3.1721 - val_loss
     13.1686 - val_mean_absolute_error: 2.
    7858
443 Epoch 182/10000
    - 0s - loss: 16.4728 -
444
    mean_absolute_error: 3.1643 - val_loss
     13.6162 - val_mean_absolute_error: 2.
    8010
445 Epoch 183/10000
    - 0s - loss: 18.1520 -
446
```

```
446 mean_absolute_error: 3.0901 - val_loss
      12.3086 - val_mean_absolute_error: 2.
    6203
447 Epoch 184/10000
    - 0s - loss: 17.5201 -
448 l
    mean_absolute_error: 3.1064 - val_loss
      12.7356 - val_mean_absolute_error: 2.
    6631
449 Epoch 185/10000
    - 0s - loss: 16.7662 -
450
    mean_absolute_error: 3.0445 - val_loss
     12.8446 - val_mean_absolute_error: 2.
    7400
451 Epoch 186/10000
    - 0s - loss: 18.1518 -
452
    mean_absolute_error: 3.1030 - val_loss
    13.9596 - val_mean_absolute_error: 2.
    8930
453 Epoch 187/10000
454 - 0s - loss: 18.1441 -
    mean_absolute_error: 3.1337 - val_loss
     12.0879 - val_mean_absolute_error: 2.
    6646
455 Epoch 188/10000
```

```
- 0s - loss: 14.3131 -
456
    mean_absolute_error: 2.6820 - val_loss
      12.6522 - val_mean_absolute_error: 2.
    6646
457 Epoch 189/10000
    - 0s - loss: 17.6957 -
458 l
    mean_absolute_error: 3.2210 - val_loss
     11.8217 - val_mean_absolute_error: 2.
    6166
459 Epoch 190/10000
    - 0s - loss: 20.6213 -
460 l
    mean_absolute_error: 3.1484 - val_loss
    : 11.5731 - val_mean_absolute_error: 2.
    6593
461
   Epoch 00190: saving model to ./model/
    model_best.h5
463 Epoch 191/10000
    - 0s - loss: 18.5293 -
464
    mean_absolute_error: 3.1072 - val_loss
      13.7409 - val_mean_absolute_error: 2.
    8653
465 Epoch 192/10000
    - 0s - loss: 20.0449 -
466
```

```
466 mean_absolute_error: 3.2646 - val_loss
      11.1444 - val_mean_absolute_error: 2.
    5985
467 Epoch 193/10000
    - 0s - loss: 16.1682 -
468
    mean_absolute_error: 2.8815 - val_loss
      11.6944 - val_mean_absolute_error: 2.
    6345
469 Epoch 194/10000
470 - 0s - loss: 17.5300 -
    mean_absolute_error: 3.0492 - val_loss
    10.7952 - val_mean_absolute_error: 2.
    5031
471 Epoch 195/10000
    - 0s - loss: 16.8692 -
472 l
    mean_absolute_error: 3.0498 - val_loss
    11.5520 - val_mean_absolute_error: 2.
    5825
473 Epoch 196/10000
474 - 0s - loss: 19.6347 -
    mean_absolute_error: 3.1735 - val_loss
     11.8327 - val_mean_absolute_error: 2.
    6330
475 Epoch 197/10000
```

```
- 0s - loss: 18.4027 -
476
    mean_absolute_error: 3.0529 - val_loss
      11.5825 - val_mean_absolute_error: 2.
    5626
477 Epoch 198/10000
    - 0s - loss: 15.4531 -
478 l
    mean_absolute_error: 2.8992 - val_loss
     12.4518 - val_mean_absolute_error: 2.
    7484
479 Epoch 199/10000
    - 0s - loss: 18.6348 -
480 l
    mean_absolute_error: 3.0828 - val_loss
    : 11.4694 - val_mean_absolute_error: 2.
    5887
481 Epoch 200/10000
482
    - 0s - loss: 18.0363 -
    mean_absolute_error: 3.0787 - val_loss
      11.7279 - val_mean_absolute_error: 2.
    6262
483
    Epoch 00200: saving model to ./model/
484
    model_best.h5
485 Epoch 201/10000
    - 0s - loss: 17.7124
486
```

```
486 mean_absolute_error: 3.1137 - val_loss
      12.4613 - val_mean_absolute_error: 2.
    7266
487 Epoch 202/10000
    - 0s - loss: 18.6338 -
488
    mean_absolute_error: 3.2192 - val_loss
      11.5402 - val_mean_absolute_error: 2.
    5765
489 Epoch 203/10000
    - 0s - loss: 19.2872 -
490
    mean_absolute_error: 3.0813 - val_loss
     13.3794 - val_mean_absolute_error: 2
    7786
491 Epoch 204/10000
    - 0s - loss: 17.1296 -
492
    mean_absolute_error: 2.9287 - val_loss
     14.7779 - val_mean_absolute_error: 2.
    9374
493 Epoch 205/10000
    - 0s - loss: 17.5507 -
494
    mean_absolute_error: 3.0849 - val_loss
     11.6263 - val_mean_absolute_error: 2.
    6138
   Epoch 206/10000
495
```

```
- 0s - loss: 18.5867 -
496
    mean_absolute_error: 3.1921 - val_loss
     12.3020 - val_mean_absolute_error: 2.
    6665
497 Epoch 207/10000
    - Os - Loss: 19.2124 -
498
    mean_absolute_error: 3.1173 - val_loss
    12.1033 - val_mean_absolute_error: 2.
    5904
499 Epoch 208/10000
    - 0s - Loss: 16.3775 -
500 l
    mean_absolute_error: 3.0257 - val_loss
    : 12.0624 - val_mean_absolute_error: 2.
    5612
501 Epoch 209/10000
    - 0s - loss: 15.9561 -
502
    mean_absolute_error: 2.8654 - val_loss
    12.0512 - val_mean_absolute_error: 2.
    5688
503 Epoch 210/10000
    - 0s - loss: 15.9314 -
504
    mean_absolute_error: 2.8925 - val_loss
    11.2798 - val_mean_absolute_error: 2.
    5213
```

```
505
   Epoch 00210: saving model to ./model/
506
    model_best.h5
507 Epoch 211/10000
    - 0s - loss: 19.9481 -
508
    mean_absolute_error: 3.1276 - val_loss
      11.5776 - val_mean_absolute_error: 2.
    5706
509 Epoch 212/10000
510 - 0s - loss: 20.2375 -
    mean_absolute_error: 3.0815 - val_loss
     11.9642 - val_mean_absolute_error: 2
    5331
511 Epoch 213/10000
    - 0s - loss: 18.1532 -
512
    mean_absolute_error: 3.0974 - val_loss
     12.0870 - val_mean_absolute_error: 2.
    6055
513 Epoch 214/10000
514 - 0s - loss: 15.8583 -
    mean_absolute_error: 2.9116 - val_loss
     11.3803 - val_mean_absolute_error: 2.
    5688
515 Epoch 215/10000
```

```
- 0s - loss: 17.8076 -
516
    mean_absolute_error: 3.0649 - val_loss
      11.9667 - val_mean_absolute_error: 2.
    5640
517 Epoch 216/10000
518 - 0s - loss: 20.4097 -
    mean_absolute_error: 3.2143 - val_loss
     11.6911 - val_mean_absolute_error: 2.
    4875
519 Epoch 217/10000
    - 0s - loss: 15.5928 -
520 I
    mean_absolute_error: 2.9433 - val_loss
    : 11.5383 - val_mean_absolute_error: 2.
    5445
521 Epoch 218/10000
    - 0s - Loss: 16.8684 -
522
    mean_absolute_error: 2.9659 - val_loss
    11.3009 - val_mean_absolute_error: 2.
    5695
523 Epoch 219/10000
    - 0s - loss: 15.0054 -
524
    mean_absolute_error: 2.9377 - val_loss
     11.0551 - val_mean_absolute_error: 2.
    5654
```

```
525 Epoch 220/10000
    - 0s - loss: 14.5755 -
526
    mean_absolute_error: 2.7739 - val_loss
      11.5387 - val_mean_absolute_error: 2.
    6700
527
   Epoch 00220: saving model to ./model/
528
    model_best.h5
529 Epoch 221/10000
530 - 0s - loss: 21.0659 -
    mean_absolute_error: 3.2519 - val_loss
     11.2423 - val_mean_absolute_error: 2.
    5148
531 Epoch 222/10000
    - 0s - loss: 19.0811 -
532
    mean_absolute_error: 3.1327 - val_loss
    11.6373 - val_mean_absolute_error: 2.
    5807
533 Epoch 223/10000
534 - Os - Ioss: 17.7457 -
    mean_absolute_error: 3.0296 - val_loss
     11.7922 - val_mean_absolute_error: 2.
    6544
535 Epoch 224/10000
```

```
- 0s - loss: 19.4856 -
536
    mean_absolute_error: 3.1980 - val_loss
     11.5251 - val_mean_absolute_error: 2.
    5841
537 Epoch 225/10000
    - 0s - loss: 16.3790 -
538
    mean_absolute_error: 2.8362 - val_loss
     11.5033 - val_mean_absolute_error: 2.
    6035
539 Epoch 226/10000
    - 0s - loss: 15.9522 -
540 l
    mean_absolute_error: 2.8002 - val_loss
    : 11.0182 - val_mean_absolute_error: 2.
    5131
541 Epoch 227/10000
    - 0s - loss: 16.3778 -
542
    mean_absolute_error: 2.9906 - val_loss
    11.9498 - val_mean_absolute_error: 2.
    5592
543 Epoch 228/10000
    - 0s - loss: 18.6612 -
544
    mean_absolute_error: 3.1422 - val_loss
     11.2579 - val_mean_absolute_error: 2.
```

```
545 Epoch 229/10000
    - 0s - loss: 18.6652 -
546
    mean_absolute_error: 3.0903 - val_loss
      12.1228 - val_mean_absolute_error: 2.
    6646
547 Epoch 230/10000
548 - 0s - loss: 19.0875 -
    mean_absolute_error: 3.1379 - val_loss
      11.6939 - val_mean_absolute_error: 2.
    6202
549
550 Epoch 00230: saving model to ./model/
    model_best.h5
551 Epoch 231/10000
    - 0s - loss: 18.9797 -
552
    mean_absolute_error: 3.2115 - val_loss
    11.0239 - val_mean_absolute_error: 2.
    4364
553 Epoch 232/10000
554 - Os - loss: 15.0564 -
    mean_absolute_error: 2.8719 - val_loss
     11.8507 - val_mean_absolute_error: 2.
    5748
555 Epoch 233/10000
```

```
- 0s - loss: 17.3198 -
556
    mean_absolute_error: 3.0918 - val_loss
     11.7547 - val_mean_absolute_error: 2.
    6204
557 Epoch 234/10000
558
    - 0s - loss: 23.1107 -
    mean_absolute_error: 3.3178 - val_loss
    11.3748 - val_mean_absolute_error: 2.
    5564
559 Epoch 235/10000
    - 0s - loss: 18.0629 -
560 l
    mean_absolute_error: 3.0214 - val_loss
    : 11.5255 - val_mean_absolute_error: 2.
    5853
561 Epoch 236/10000
    - 0s - loss: 18.3382 -
562
    mean_absolute_error: 2.9936 - val_loss
      12.1526 - val_mean_absolute_error: 2.
    5423
563 Epoch 237/10000
    - 0s - loss: 17.2632 -
564
    mean_absolute_error: 3.1475 - val_loss
      12.2133 - val_mean_absolute_error: 2.
    5359
```

```
565 Epoch 238/10000
    - 0s - loss: 14.9704 -
566
    mean_absolute_error: 3.0102 - val_loss
      12.2571 - val_mean_absolute_error: 2.
    6158
567 Epoch 239/10000
568 - 0s - loss: 16.3860 -
    mean_absolute_error: 3.1227 - val_loss
      11.7557 - val_mean_absolute_error: 2.
    5580
569 Epoch 240/10000
570 - 0s - loss: 18.7236 -
    mean_absolute_error: 3.1709 - val_loss
     11.5305 - val_mean_absolute_error: 2.
    5611
571
572 Epoch 00240: saving model to ./model/
    model_best.h5
573 Epoch 241/10000
574 - 0s - loss: 18.2987 -
    mean_absolute_error: 3.0282 - val_loss
     10.8726 - val_mean_absolute_error: 2.
    4964
575 Epoch 242/10000
```

```
- 0s - loss: 16.9385 -
576
    mean_absolute_error: 3.1117 - val_loss
      10.7979 - val_mean_absolute_error: 2.
    4983
577 Epoch 243/10000
578 - 0s - loss: 17.3142 -
    mean_absolute_error: 3.0996 - val_loss
     11.3466 - val_mean_absolute_error: 2.
    5263
579 Epoch 244/10000
    - 0s - loss: 16.8982 -
580 l
    mean_absolute_error: 3.0161 - val_loss
      10.7001 - val_mean_absolute_error: 2.
    4451
581 Epoch 245/10000
    - 0s - loss: 15.6230 -
582
    mean_absolute_error: 2.8555 - val_loss
    10.6644 - val_mean_absolute_error: 2.
    5315
583 Epoch 246/10000
    - 0s - loss: 16.1269 -
584 l
    mean_absolute_error: 2.9605 - val_loss
      10.8499 - val_mean_absolute_error: 2.
    4685
```

```
585 Epoch 247/10000
    - 0s - loss: 16.4680 -
586
    mean_absolute_error: 3.0132 - val_loss
      10.9458 - val_mean_absolute_error: 2.
    5180
587 Epoch 248/10000
    - 0s - loss: 14.0494 -
588
    mean_absolute_error: 2.6902 - val_loss
      11.5506 - val_mean_absolute_error: 2.
    4926
589 Epoch 249/10000
    - 0s - loss: 19.0961 -
590 l
    mean_absolute_error: 3.1308 - val_loss
      11. 5650 - val_mean_absolute_error: 2.
    4838
591 Epoch 250/10000
    - 0s - loss: 15.5646 -
592
    mean_absolute_error: 2.9453 - val_loss
      12.1059 - val_mean_absolute_error: 2.
    5098
593
   Epoch 00250: saving model to ./model/
594
    model_best.h5
595 Epoch 251/10000
```

```
- 0s - loss: 18.8099 -
596
    mean_absolute_error: 3.1673 - val_loss
     11.8630 - val_mean_absolute_error: 2.
    5354
597 Epoch 252/10000
    - 0s - loss: 18.2716 -
598
    mean_absolute_error: 3.0846 - val_loss
     11.2827 - val_mean_absolute_error: 2.
    4699
599 Epoch 253/10000
    - 0s - loss: 18.6380 -
600 l
    mean_absolute_error: 3.2222 - val_loss
    : 11.2127 - val_mean_absolute_error: 2.
    5004
601 Epoch 254/10000
    - 0s - Loss: 16.5098 -
602
    mean_absolute_error: 3.0000 - val_loss
    : 11.1034 - val_mean_absolute_error: 2.
    5067
603 Epoch 255/10000
    - 0s - loss: 17.4312 -
604
    mean_absolute_error: 3.0936 - val_loss
     11.8316 - val_mean_absolute_error: 2.
    5127
```

```
605 Epoch 256/10000
    - 0s - loss: 18.8937 -
606
    mean_absolute_error: 3.2316 - val_loss
      12.5931 - val_mean_absolute_error: 2.
    7463
607 Epoch 257/10000
608 - 0s - loss: 16.5692 -
    mean_absolute_error: 2.7661 - val_loss
      10.9620 - val_mean_absolute_error: 2.
    4824
609 Epoch 258/10000
    - 0s - Loss: 19.0774 -
610
    mean_absolute_error: 3.1103 - val_loss
      10.8777 - val_mean_absolute_error: 2.
    4648
611 Epoch 259/10000
612 - 0s - loss: 15.4760 -
    mean_absolute_error: 2.8293 - val_loss
     11.6382 - val_mean_absolute_error: 2.
    5890
613 Epoch 260/10000
    - 0s - loss: 17.8106 -
614 l
    mean_absolute_error: 3.0191 - val_loss
     11.7999 - val_mean_absolute_error: 2.
```

```
625 Epoch 265/10000
    - 0s - loss: 17.6045 -
626
    mean_absolute_error: 2.9799 - val_loss
      10.8169 - val_mean_absolute_error: 2.
    4531
627 Epoch 266/10000
628 - Os - Loss: 14.3749 -
    mean_absolute_error: 2.7917 - val_loss
     11.4505 - val_mean_absolute_error: 2.
    5104
629 Epoch 267/10000
    - 0s - loss: 17.2565 -
630 l
    mean_absolute_error: 2.9660 - val_loss
      12. 9190 - val_mean_absolute_error: 2.
    6851
631 Epoch 268/10000
    - 0s - loss: 16.0632 -
632
    mean_absolute_error: 3.0080 - val_loss
     12.0892 - val_mean_absolute_error: 2.
    5684
633 Epoch 269/10000
    - 0s - loss: 16.9325
634
    mean_absolute_error: 2.9224 - val_loss
     10.9619 - val_mean_absolute_error: 2.
```

```
File - boston01
634 4439
635 Epoch 270/10000
     - 0s - Loss: <u>13</u>.9301
636
    mean_absolute_error: 2.7920 - val_loss
      11.1146 - val_mean_absolute_error: 2.
    4838
637
638 Epoch 00270: saving model to ./model/
    model_best.h5
639 Epoch 271/10000
640 - 0s - loss: 13.3790 -
    mean_absolute_error: 2.7245 - val_loss
    : 11.5279 - val_mean_absolute_error: 2.
    5468
641 Epoch 272/10000
     - 0s - loss: 14.2588 -
642
    mean_absolute_error: 2.8603 - val_loss
    : 11.4559 - val_mean_absolute_error: 2.
    5152
643 Epoch 273/10000
     - 0s - loss: 16.5883 -
644 I
    mean_absolute_error: 2.9210 - val_loss
    : 12.2458 - val_mean_absolute_error: 2.
    7015
```

```
645 Epoch 274/10000
    - 0s - loss: 16.5189 -
646
    mean_absolute_error: 2.9784 - val_loss
      10.7809 - val_mean_absolute_error: 2.
    4271
647 Epoch 275/10000
648 - 0s - loss: 17.6957 -
    mean_absolute_error: 3.0050 - val_loss
     10.6048 - val_mean_absolute_error: 2.
    4008
649 Epoch 276/10000
    - 0s - Loss: 14.7677 -
650 l
    mean_absolute_error: 2.8295 - val_loss
      11. 4591 - val_mean_absolute_error: 2.
    5248
651 Epoch 277/10000
    - 0s - loss: 15.9102 -
652
    mean_absolute_error: 2.8686 - val_loss
     11.4345 - val_mean_absolute_error: 2.
    4689
653 Epoch 278/10000
    - 0s - loss: 15.9538 -
654 l
    mean_absolute_error: 2.9019 - val_loss
     11.3093 - val_mean_absolute_error: 2.
```

```
File - boston01
654 5242
655 Epoch 279/10000
     - 0s - loss: 17.7838 -
656
    mean_absolute_error: 3.0331 - val_loss
     11.7065 - val_mean_absolute_error: 2.
    5318
657 Epoch 280/10000
     - 0s - loss: 12.9079 -
658
    mean_absolute_error: 2.6934 - val_loss
     11.0164 - val_mean_absolute_error: 2.
    5081
659
660 Epoch 00280: saving model to ./model/
    model_best.h5
661 Epoch 281/10000
     - 0s - loss: 14.1723 -
662
    mean_absolute_error: 2.7438 - val_loss
     12.5625 - val_mean_absolute_error: 2.
    5171
663 Epoch 282/10000
     - 0s - loss: 15.5616 -
664
    mean_absolute_error: 2.8470 - val_loss
    : 11.1978 - val_mean_absolute_error: 2.
    4919
```

```
665 Epoch 283/10000
    - 0s - loss: 15.3817 -
666
    mean_absolute_error: 2.8801 - val_loss
      12.7400 - val_mean_absolute_error: 2.
    6880
667 Epoch 284/10000
    - 0s - loss: 17.7835 -
668
    mean_absolute_error: 3.0026 - val_loss
     10.5915 - val_mean_absolute_error: 2.
    4121
669 Epoch 285/10000
    - 0s - loss: 16.2184 -
670
    mean_absolute_error: 2.9934 - val_loss
      11.2130 - val_mean_absolute_error: 2.
    5059
671 Epoch 286/10000
    - 0s - loss: 15.8085 -
672 l
    mean_absolute_error: 2.9198 - val_loss
     11.3879 - val_mean_absolute_error: 2.
    4730
673 Epoch 287/10000
    - Os - Loss: 15.6486 -
674 I
    mean_absolute_error: 2.9120 - val_loss
     11.2779 - val_mean_absolute_error: 2.
```

```
685 Epoch 292/10000
    - 0s - loss: 17.1883 -
686
    mean_absolute_error: 3.0071 - val_loss
      11.8727 - val_mean_absolute_error: 2.
    5486
687 Epoch 293/10000
    - 0s - loss: 14.8841 -
688
    mean_absolute_error: 2.7898 - val_loss
     11.4105 - val_mean_absolute_error: 2.
    5045
689 Epoch 294/10000
    - 0s - loss: 16.0024 -
690 l
    mean_absolute_error: 2.8135 - val_loss
      11. 5857 - val_mean_absolute_error: 2.
    6020
691 Epoch 295/10000
    - 0s - loss: 13.9179 -
692
    mean_absolute_error: 2.8338 - val_loss
     10.6507 - val_mean_absolute_error: 2.
    4096
693 Epoch 296/10000
    - 0s - loss: 17.0729 -
694 I
    mean_absolute_error: 3.0090 - val_loss
     11.2929 - val_mean_absolute_error: 2.
```

```
File - boston01
694 4772
695 Epoch 297/10000
696 - 0s <u>- loss: 18.6193 -</u>
    mean_absolute_error: 3.1748 - val_loss
      13.3473 - val_mean_absolute_error: 2.
     7747
697 Epoch 298/10000
     - 0s - loss: 14.2770 -
698 I
    mean_absolute_error: 2.8537 - val_loss
     11.8642 - val_mean_absolute_error: 2.
    5319
699 Epoch 299/10000
700 - 0s - loss: 17.1964 -
    mean_absolute_error: 2.9757 - val_loss
      12.6926 - val_mean_absolute_error: 2.
     6446
701 Epoch 300/10000
     - 0s - loss: 15.8464 -
702
    mean_absolute_error: 2.8980 - val_loss
     13.8935 - val_mean_absolute_error: 2.
    8459
703
    Epoch 00300: saving model to ./model/
704
    model_best.h5
```

```
705 Epoch 301/10000
    - 0s - loss: 18.8681 -
706
    mean_absolute_error: 3.0974 - val_loss
     12.2769 - val_mean_absolute_error: 2.
    5388
707 Epoch 302/10000
708 - 0s - loss: 17.3454 -
    mean_absolute_error: 2.9080 - val_loss
     12.1046 - val_mean_absolute_error: 2.
    6029
709 Epoch 303/10000
710 - 0s - loss: 19.2332 -
    mean_absolute_error: 3.0283 - val_loss
     13.1848 - val_mean_absolute_error: 2.
    7041
711 Epoch 304/10000
712 - 0s - loss: 15.4070 -
    mean_absolute_error: 2.9110 - val_loss
     11.3476 - val_mean_absolute_error: 2.
    4770
713 Epoch 305/10000
714 - 0s - loss: 15.9820 -
    mean_absolute_error: 3.0026 - val_loss
     11.3192 - val_mean_absolute_error: 2.
```

```
11.5775 - val_mean_absolute_error: 2.
724
    5534
725
726 Epoch 00310: saving model to ./model/
    model_best.h5
727 Epoch 311/10000
728 - 0s - loss: 14.9481 -
    mean_absolute_error: 2.6940 - val_loss
     11.4463 - val_mean_absolute_error: 2.
    5121
729 Epoch 312/10000
730 - 0s - loss: 18.0479 -
    mean_absolute_error: 2.9699 - val_loss
     11.4579 - val_mean_absolute_error: 2.
    5307
731 Epoch 313/10000
732 - 0s - loss: 14.2772 -
    mean_absolute_error: 2.7902 - val_loss
     12.6667 - val_mean_absolute_error: 2.
    6351
733 Epoch 314/10000
734 - 0s - loss: 17.5672 -
    mean_absolute_error: 2.9044 - val_loss
     11.4344 - val_mean_absolute_error: 2.
```

mean_absolute_error: 2.8369 - val_loss

```
13.8791 - val_mean_absolute_error: 2.
744
    8453
745 Epoch 320/10000
    - Os - Loss: 14.9571 -
746 l
    mean_absolute_error: 2.7932 - val_loss
    : 11.1885 - val_mean_absolute_error: 2.
    5202
747
    Epoch 00320: saving model to ./model/
748
    model best.h5
749 Epoch 321/10000
    - 0s - loss: 18.0221 -
750 l
    mean_absolute_error: 3.0203 - val_loss
     10.8164 - val_mean_absolute_error: 2.
    5183
751 Epoch 322/10000
    - 0s - Loss: 15.6438 -
752 l
    mean_absolute_error: 2.9098 - val_loss
     11.6048 - val_mean_absolute_error: 2.
    4720
753 Epoch 323/10000
    - 0s - loss: 15.0612 -
754 l
    mean_absolute_error: 2.7622 - val_loss
     12.4360 - val_mean_absolute_error: 2.
```

```
12.7131 - val_mean_absolute_error: 2.
764
    6307
765 Epoch 329/10000
766 - 0s - loss: 15.6827 -
    mean_absolute_error: 2.8482 - val_loss
    : 13.7656 - val_mean_absolute_error: 2.
    7559
767 Epoch 330/10000
768
    - 0s - loss: 14.8756 -
    mean_absolute_error: 2.8284 - val_loss
     11.5679 - val_mean_absolute_error: 2.
    4877
769
770 Epoch 00330: saving model to ./model/
    model_best.h5
771 Epoch 331/10000
772 - 0s - loss: 13.5794 -
    mean_absolute_error: 2.7996 - val_loss
     11.1004 - val_mean_absolute_error: 2.
    5242
773 Epoch 332/10000
774 - 0s - loss: 12.4661 -
    mean_absolute_error: 2.5413 - val_loss
     10.9010 - val_mean_absolute_error: 2.
```

```
11.1680 - val_mean_absolute_error: 2.
784
    4799
785 Epoch 338/10000
    - 0s - loss: 17.7798 -
786 l
    mean_absolute_error: 3.1174 - val_loss
    : 12.0559 - val_mean_absolute_error: 2.
    6232
787 Epoch 339/10000
    - 0s - loss: 15.4448 -
788
    mean_absolute_error: 2.8191 - val_loss
     13.1020 - val_mean_absolute_error: 2.
    7797
789 Epoch 340/10000
790 l
    - 0s - loss: 16.9903 -
    mean_absolute_error: 2.9391 - val_loss
      10.9826 - val_mean_absolute_error: 2.
    4676
791
   Epoch 00340: saving model to ./model/
    model_best.h5
793 Epoch 341/10000
794 - 0s - loss: 16.1395 -
    mean_absolute_error: 2.9481 - val_loss
     10.5551 - val_mean_absolute_error: 2.
```

```
10.8938 - val_mean_absolute_error: 2.
804
    4467
805 Epoch 347/10000
    - 0s - loss: 17.5918 -
806
    mean_absolute_error: 3.0680 - val_loss
    : 12.0053 - val_mean_absolute_error: 2.
    5945
807 Epoch 348/10000
808
    - 0s - loss: 18.3310 -
    mean_absolute_error: 3.0853 - val_loss
      12.0452 - val_mean_absolute_error: 2.
    5972
809 Epoch 349/10000
    - 0s - loss: 14.3386 -
810 I
    mean_absolute_error: 2.9125 - val_loss
      10.9686 - val_mean_absolute_error: 2.
    4667
811 Epoch 350/10000
    - 0s - loss: 17.4217 -
812 l
    mean_absolute_error: 2.9650 - val_loss
      11.0462 - val_mean_absolute_error: 2.
    4989
813
    Epoch 00350: saving model to ./model/
814
```

```
814 model_best.h5
815 Epoch 351/10000
    - 0s - l<u>oss: 16.6019 -</u>
816 I
    mean_absolute_error: 2.9566 - val_loss
     10.3829 - val_mean_absolute_error: 2.
    4214
817 Epoch 352/10000
    - 0s - loss: 16.5406 -
818 I
    mean_absolute_error: 2.9925 - val_loss
    10.9027 - val_mean_absolute_error: 2.
    4040
819 Epoch 353/10000
820 - 0s - loss: 17.3442 -
    mean_absolute_error: 2.9529 - val_loss
     10.5064 - val_mean_absolute_error: 2.
    4089
821 Epoch 354/10000
    - 0s - loss: 15.1615 -
822 |
    mean_absolute_error: 2.7628 - val_loss
    11.0556 - val_mean_absolute_error: 2.
    4768
823 Epoch 355/10000
    - 0s - loss: 15.6698 -
824
    mean_absolute_error: 2.9654 - val_loss
```

```
11.8311 - val_mean_absolute_error: 2.
824
    5512
825 Epoch 356/10000
    - 0s - loss: 14.3550 -
826
    mean_absolute_error: 2.8273 - val_loss
    : 11.9511 - val_mean_absolute_error: 2.
    6125
827 Epoch 357/10000
828
    - 0s - loss: 15.3590 -
    mean_absolute_error: 2.8210 - val_loss
    11.4179 - val_mean_absolute_error: 2.
    5921
829 Epoch 358/10000
    - 0s - loss: 15.0030 -
830 l
    mean_absolute_error: 2.8481 - val_loss
      10.4812 - val_mean_absolute_error: 2.
    4431
831 Epoch 359/10000
    - 0s - loss: 15.5151_-
832
    mean_absolute_error: 2.7868 - val_loss
      10.9185 - val_mean_absolute_error: 2.
    4786
833 Epoch 360/10000
    - 0s - loss: 15.9059 -
834 l
```

```
834 mean_absolute_error: 2.9329 - val_loss
      11.8694 - val_mean_absolute_error: 2.
    5332
835
836 Epoch 00360: saving model to ./model/
    model_best.h5
837 Epoch 361/10000
    - 0s - loss: 15.4085 -
838
    mean_absolute_error: 2.8796 - val_loss
    11.1250 - val_mean_absolute_error: 2.
    5386
839 Epoch 362/10000
840 - 0s - loss: 13.0876 -
    mean_absolute_error: 2.6601 - val_loss
    11.5068 - val_mean_absolute_error: 2.
    5667
841 Epoch 363/10000
    - 0s - loss: 15.9200 -
842
    mean_absolute_error: 2.8744 - val_loss
    : 11.4437 - val_mean_absolute_error: 2.
    4860
843 Epoch 364/10000
    - 0s - loss: 16.9856 -
844
    mean_absolute_error: 2.9896 - val_l<u>oss</u>
```

```
11.1736 - val_mean_absolute_error: 2.
844
    5166
845 Epoch 365/10000
    - 0s - loss: 15.6313 -
846
    mean_absolute_error: 2.8579 - val_loss
    : 10.9515 - val_mean_absolute_error: 2.
    4933
847 Epoch 366/10000
848
    - 0s - loss: 15.9011 -
    mean_absolute_error: 2.8835 - val_loss
    11.2287 - val_mean_absolute_error: 2.
    4900
849 Epoch 367/10000
    - 0s - loss: 14.0819 -
850 l
    mean_absolute_error: 2.7899 - val_loss
      10.9493 - val_mean_absolute_error: 2.
    4650
851 Epoch 368/10000
    - 0s - loss: 15.6455 -
852
    mean_absolute_error: 2.8374 - val_loss
      10.3137 - val_mean_absolute_error: 2.
    4278
853 Epoch 369/10000
    - 0s - loss: 12.5166 -
854
```

```
854 mean_absolute_error: 2.5086 - val_loss
      10.8216 - val_mean_absolute_error: 2.
    4581
855 Epoch 370/10000
    - 0s - loss: 16.3295 -
856
    mean_absolute_error: 2.9310 - val_loss
      10.9275 - val_mean_absolute_error: 2.
    5000
857
   Epoch 00370: saving model to ./model/
858
    model_best.h5
859 Epoch 371/10000
860 I
    - 0s - loss: 13.5283 -
    mean_absolute_error: 2.7137 - val_loss
     12.1206 - val_mean_absolute_error: 2.
    6060
861 Epoch 372/10000
    - 0s - loss: 14.4781 -
862
    mean_absolute_error: 2.8567 - val_loss
     10.9737 - val_mean_absolute_error: 2.
    4528
863 Epoch 373/10000
864 - 0s - loss: 14.6597 -
    mean_absolute_error: 2.8327 - val_loss
```

```
10.4912 - val_mean_absolute_error: 2.
864
    4264
865 Epoch 374/10000
    - 0s - loss: 16.1654 -
866
    mean_absolute_error: 2.9549 - val_loss
    : 10.5510 - val_mean_absolute_error: 2.
    4194
867 Epoch 375/10000
    - 0s - loss: 14.6736 -
868
    mean_absolute_error: 2.8563 - val_loss
      11. 1297 - val_mean_absolute_error: 2.
    4446
869 Epoch 376/10000
    - 0s - loss: 13.0740 -
870 l
    mean_absolute_error: 2.5297 - val_loss
      10.9640 - val_mean_absolute_error: 2.
    4795
871 Epoch 377/10000
    - 0s - loss: 12.8443 -
872
    mean_absolute_error: 2.7223 - val_loss
      11.2089 - val_mean_absolute_error: 2.
    5344
873 Epoch 378/10000
    - 0s - loss: 14.5347
874 l
```

```
874 mean_absolute_error: 2.8924 - val_loss
      11.6052 - val_mean_absolute_error: 2.
    4974
875 Epoch 379/10000
    - 0s - loss: 13.6371 -
876 l
    mean_absolute_error: 2.6820 - val_loss
      11.5210 - val_mean_absolute_error: 2.
    4939
877 Epoch 380/10000
    - 0s - loss: 13.4140 -
878
    mean_absolute_error: 2.7380 - val_loss
      12.8163 - val_mean_absolute_error: 2.
    8053
879
880 Epoch 00380: saving model to ./model/
    model_best.h5
881 Epoch 381/10000
    - 0s - loss: 18.5260 -
882 |
    mean_absolute_error: 2.8939 - val_loss
      9.9254 - val_mean_absolute_error: 2.
    3565
883 Epoch 382/10000
    - 0s - loss: 17.2412 -
884 I
    mean_absolute_error: 2.9469 - val_loss
```

```
10.5650 - val_mean_absolute_error: 2.
884
    4393
885 Epoch 383/10000
    - 0s - loss: 14.8320 -
886
    mean_absolute_error: 2.7351 - val_loss
    : 12.6575 - val_mean_absolute_error: 2.
    7989
887 Epoch 384/10000
888
    - 0s - loss: 13.4311 -
    mean_absolute_error: 2.7834 - val_loss
    11.1715 - val_mean_absolute_error: 2.
    5065
889 Epoch 385/10000
    - 0s - loss: 13.2597 -
890
    mean_absolute_error: 2.7546 - val_loss
     10.4849 - val_mean_absolute_error: 2.
    4197
891 Epoch 386/10000
    - 0s - loss: 14.2679 -
892
    mean_absolute_error: 2.7423 - val_loss
      10.3456 - val_mean_absolute_error: 2.
    4081
893 Epoch 387/10000
    - 0s - loss: 15.0084
894
```

```
894 mean_absolute_error: 2.7423 - val_loss
      10.6152 - val_mean_absolute_error: 2.
    4820
895 Epoch 388/10000
    - 0s - loss: 15.7095 -
896
    mean_absolute_error: 2.8944 - val_loss
      10.3451 - val_mean_absolute_error: 2.
    4777
897 Epoch 389/10000
    - 0s - loss: 15.6080 -
898
    mean_absolute_error: 2.8511 - val_loss
      11.9088 - val_mean_absolute_error: 2.
    6494
899 Epoch 390/10000
    - 0s - loss: 15.8079 -
900
    mean_absolute_error: 2.9116 - val_loss
     10.1808 - val_mean_absolute_error: 2.
    3993
901
902 Epoch 00390: saving model to ./model/
    model_best.h5
903 Epoch 391/10000
    - 0s - loss: 14.9964 -
904
    mean_absolute_error: 2.8958 - val_l<u>oss</u>
```

```
10.6701 - val_mean_absolute_error: 2.
904
    5398
905 Epoch 392/10000
    - 0s - Loss: 14.7998 -
906
    mean_absolute_error: 2.7200 - val_loss
    : 10.6345 - val_mean_absolute_error: 2.
    4594
907 Epoch 393/10000
908
    - 0s - loss: 13.2038 -
    mean_absolute_error: 2.7759 - val_loss
     10.5509 - val_mean_absolute_error: 2.
    4405
909 Epoch 394/10000
    - 0s - loss: 14.9604 -
910 l
    mean_absolute_error: 2.7574 - val_loss
      10.5339 - val_mean_absolute_error: 2.
    4458
911 Epoch 395/10000
    - 0s - loss: 14.7811 -
912
    mean_absolute_error: 2.7611 - val_loss
      10.5839 - val_mean_absolute_error: 2.
    4400
913 Epoch 396/10000
914
    - Os - Loss: 16.6719 -
```

```
914 mean_absolute_error: 2.9392 - val_loss
      10.3906 - val_mean_absolute_error: 2.
    4257
915 Epoch 397/10000
916 - 0s - loss: 13.9780 -
    mean_absolute_error: 2.7199 - val_loss
      10. 2670 - val_mean_absolute_error: 2.
    4292
917 Epoch 398/10000
918 - 0s - loss: 15.9838 -
    mean_absolute_error: 2.9205 - val_loss
     10.7560 - val_mean_absolute_error: 2.
    4867
919 Epoch 399/10000
920 - 0s - loss: 13.4075 -
    mean_absolute_error: 2.6418 - val_loss
      11.1716 - val_mean_absolute_error: 2.
    5176
921 Epoch 400/10000
    - Os - Loss: 14.2790 -
922
    mean_absolute_error: 2.6915 - val_loss
     11.0984 - val_mean_absolute_error: 2.
    5453
```

923

```
924 Epoch 00400: saving model to ./model/
    model best.h5
925 Epoch 401/10000
926 - 0s - loss: 17.3316 -
    mean_absolute_error: 2.9497 - val_loss
    : 10.9241 - val_mean_absolute_error: 2.
    4895
927 Epoch 402/10000
928
    - 0s - loss: 14.3380 -
    mean_absolute_error: 2.8765 - val_loss
      10.6021 - val_mean_absolute_error: 2.
    4459
929 Epoch 403/10000
    - Os - loss: 14.9799 -
930
    mean_absolute_error: 2.8669 - val_loss
     11.5181 - val_mean_absolute_error: 2.
    4989
931 Epoch 404/10000
    - Os - Loss: 15.9937 -
932
    mean_absolute_error: 2.6396 - val_loss
     12.0929 - val_mean_absolute_error: 2.
    6211
933 Epoch 405/10000
934
    - 0s - loss: 13.9130 -
```

```
934 mean_absolute_error: 2.8327 - val_loss
      11.3215 - val_mean_absolute_error: 2.
    5329
935 Epoch 406/10000
    - 0s - loss: 18.6235 -
936
    mean_absolute_error: 2.9756 - val_loss
      10.3531 - val_mean_absolute_error: 2.
    4210
937 Epoch 407/10000
938 - 0s - loss: 19.0087 -
    mean_absolute_error: 2.9866 - val_loss
     10.9572 - val_mean_absolute_error: 2
    5287
939 Epoch 408/10000
    - 0s - loss: 14.6780 -
940
    mean_absolute_error: 2.8143 - val_loss
     11.2114 - val_mean_absolute_error: 2.
    5604
941 Epoch 409/10000
    - 0s - loss: 13.4058 -
942
    mean_absolute_error: 2.7151 - val_loss
     11.6248 - val_mean_absolute_error: 2.
    5254
943 Epoch 410/10000
```

```
- 0s - loss: 15.3302 -
944
    mean_absolute_error: 2.9506 - val_loss
      10.8320 - val_mean_absolute_error: 2.
    4790
945
946 Epoch 00410: saving model to ./model/
    model_best.h5
947 Epoch 411/10000
    - 0s - loss: 15.0320 -
948
    mean_absolute_error: 2.9076 - val_loss
     10.1978 - val_mean_absolute_error: 2.
    4508
949 Epoch 412/10000
    - 0s - loss: 15.1948 -
950
    mean_absolute_error: 2.7811 - val_loss
      10.7372 - val_mean_absolute_error: 2.
    4743
951 Epoch 413/10000
    - 0s - loss: 16.1149 -
952
    mean_absolute_error: 2.8923 - val_loss
      11.0684 - val_mean_absolute_error: 2.
    5264
953 Epoch 414/10000
954
    - 0s - loss: 15.1589
```

```
954 mean_absolute_error: 2.7808 - val_loss
      12.6309 - val_mean_absolute_error: 2.
    8086
955 Epoch 415/10000
    - 0s - loss: 15.3709 -
956
    mean_absolute_error: 2.8598 - val_loss
      10. 9850 - val_mean_absolute_error: 2.
    5326
957 Epoch 416/10000
    - Os - Loss: 17.3438 -
958
    mean_absolute_error: 2.9147 - val_loss
     10.3019 - val_mean_absolute_error: 2.
    4164
959 Epoch 417/10000
    - Os - Loss: 12.4421 -
960
    mean_absolute_error: 2.6787 - val_loss
    10.1951 - val_mean_absolute_error: 2.
    3964
961 Epoch 418/10000
    - 0s - loss: 13.8517 -
962
    mean_absolute_error: 2.6795 - val_loss
      9.9694 - val_mean_absolute_error: 2.
    3747
963 Epoch 419/10000
```

```
- 0s - loss: 14.8643 -
964
    mean_absolute_error: 2.8452 - val_loss
     10.1378 - val_mean_absolute_error: 2.
    3998
965 Epoch 420/10000
966 - 0s - loss: 14.1314 -
    mean_absolute_error: 2.8107 - val_loss
     10.2449 - val_mean_absolute_error: 2.
    4263
967
968 Epoch 00420: saving model to ./model/
    model_best.h5
969 Epoch 421/10000
    - 0s - loss: 16.0161 -
970 l
    mean_absolute_error: 2.9265 - val_loss
     10.3641 - val_mean_absolute_error: 2.
    4315
971 Epoch 422/10000
    - 0s - loss: 13.3531 -
972 |
    mean_absolute_error: 2.6502 - val_loss
      10.4325 - val_mean_absolute_error: 2.
    4369
973 Epoch 423/10000
974
    - 0s - loss: 16.0849 -
```

```
974 mean_absolute_error: 2.8729 - val_loss
      10.0597 - val_mean_absolute_error: 2.
    3642
975 Epoch 424/10000
    - 0s - loss: 13.4655 -
976 l
    mean_absolute_error: 2.7805 - val_loss
      10. 2358 - val_mean_absolute_error: 2.
    4066
977 Epoch 425/10000
    - 0s - loss: 14.8616 -
978
    mean_absolute_error: 2.8895 - val_loss
      11.4581 - val_mean_absolute_error: 2
    5466
979 Epoch 426/10000
    - 0s - loss: 14.9702 -
980
    mean_absolute_error: 2.7315 - val_loss
      10.5752 - val_mean_absolute_error: 2.
    4294
981 Epoch 427/10000
    - 0s - loss: 15.5750 -
982
    mean_absolute_error: 2.8773 - val_loss
      10.6547 - val_mean_absolute_error: 2.
    4796
   Epoch 428/10000
983
```

```
- 0s - loss: 14.3857 -
984
    mean_absolute_error: 2.7900 - val_loss
      10.4393 - val_mean_absolute_error:
     4565
985 Epoch 429/10000
    - Os - Loss: 15.7789 -
986
    mean_absolute_error: 2.7928 - val_loss
      10.3550 - val_mean_absolute_error:
     4218
987 Epoch 430/10000
    - 0s - loss: 13.1173 -
988
    mean_absolute_error: 2.6687 - val_loss
      9.8639 - val_mean_absolute_error: 2.
    3439
989
   Epoch 00430: saving model to ./model/
990
    model_best.h5
991 Epoch 431/10000
    - 0s - loss: 15.2647 -
992
    mean_absolute_error: 2.7253 - val_loss
      10.2364 - val_mean_absolute_error: 2
     4382
993 Epoch 432/10000
    - Os - Loss: 14.2653 -
994
```

```
994 mean_absolute_error: 2.7647 - val_loss
       12.0685 - val_mean_absolute_error: 2
      4909
995 Epoch 433/10000
996 - 0s - loss: 16.7950 -
     mean_absolute_error: 2.9129 - val_loss
       12.1494 - val_mean_absolute_error: 2
     5602
997 Epoch 434/10000
998 - Os - Loss: 11,3189 -
     mean_absolute_error: 2.5413 - val_loss
       10.9816 - val_mean_absolute_error: 2
      4955
999 Epoch 435/10000
1000 - 0s - loss: 14.9058 -
     mean_absolute_error: 2.7542 - val_loss
     : 10.9967 - val_mean_absolute_error:
     . 5060
1001 Epoch 436/10000
     - 0s - loss: 15.4667 -
1002 l
     mean_absolute_error: 2.7823 - val_loss
       11.6390 - val_mean_absolute_error:
      5603
1003 Epoch 437/10000
```

```
- 0s - loss: 13.7104 -
1004
     mean_absolute_error: 2.7054 - val_loss
       10.5304 - val_mean_absolute_error: 2
      3915
1005 Epoch 438/10000
1006 - 0s - loss: 13.7830 -
     mean_absolute_error: 2.8058 - val_loss
       9.9197 - val_mean_absolute_error: 2.
     3694
1007 Epoch 439/10000
1008 - 0s - loss: 14.3823 -
     mean_absolute_error: 2.7438 - val_loss
       11.1852 - val_mean_absolute_error: 2
     5184
1009 Epoch 440/10000
     - 0s - loss: 14.0227 -
1010
     mean_absolute_error: 2.6796 - val_loss
       11.7005 - val_mean_absolute_error: 2
     4923
1011
    Epoch 00440: saving model to ./model/
1012
     model_best.h5
1013 Epoch 441/10000
1014 - 0s - loss: 13.6910 -
```

```
1014 mean_absolute_error: 2.7637 - val_loss
       11.1357 - val_mean_absolute_error: 2
      4728
1015 Epoch 442/10000
1016 - 0s - loss: 15.8541 -
     mean_absolute_error: 2.8244 - val_loss
       10.6998 - val_mean_absolute_error: 2
     4221
1017 Epoch 443/10000
1018 - 0s - loss: 13.8752 -
     mean_absolute_error: 2.7573 - val_loss
       10.2815 - val_mean_absolute_error: 2
     4059
1019 Epoch 444/10000
1020 - 0s - loss: 15.2175 -
     mean_absolute_error: 2.7128 - val_loss
      11.1871 - val_mean_absolute_error: 2
     4950
1021 Epoch 445/10000
1022 - 0s - loss: 15.1165 -
     mean_absolute_error: 2.8852 - val_loss
       11.2299 - val_mean_absolute_error:
      4734
1023 Epoch 446/10000
```

```
- 0s - loss: 11.5104 -
1024
     mean_absolute_error: 2.4105 - val_loss
       12.2702 - val_mean_absolute_error: 2
      6925
1025 Epoch 447/10000
1026 - 0s - loss: 17.7449 -
     mean_absolute_error: 2.8444 - val_loss
       10.7140 - val_mean_absolute_error: 2
      4227
1027 Epoch 448/10000
1028 - 0s - loss: 13.3034 -
     mean_absolute_error: 2.6608 - val_loss
       10.9180 - val_mean_absolute_error: 2
     5311
1029 Epoch 449/10000
     - 0s - loss: 13.3248 -
1030 l
     mean_absolute_error: 2.7229 - val_loss
       10.3032 - val_mean_absolute_error: 2
      3890
1031 Epoch 450/10000
     - 0s - loss: 14.4425 -
1032
     mean_absolute_error: 2.8321 - val_loss
     : 10.8249 - val_mean_absolute_error: 2
     4606
```

```
1033
1034 Epoch 00450: saving model to ./model/
     model_best.h5
1035 Epoch 451/10000
1036 - 0s - loss: 12.9693 -
     mean_absolute_error: 2.6368 - val_loss
       11.0901 - val_mean_absolute_error: 2
     4627
1037 Epoch 452/10000
1038 - 0s - loss: 14.1284 -
     mean_absolute_error: 2.7600 - val_loss
       10.6623 - val_mean_absolute_error: 2
      4255
1039 Epoch 453/10000
1040 - 0s - loss: 13.9128 -
     mean_absolute_error: 2.7549 - val_loss
       10.8275 - val_mean_absolute_error:
     4470
1041 Epoch 454/10000
1042 - 0s - loss: 12.5598 -
     mean_absolute_error: 2.6465 - val_loss
       10.6032 - val_mean_absolute_error:
      4835
1043 Epoch 455/10000
```

```
- 0s - loss: 15.2487 -
1044
     mean_absolute_error: 2.8465 - val_loss
       11.3559 - val_mean_absolute_error: 2
      6116
1045 Epoch 456/10000
1046 - 0s - loss: 13.5339 -
     mean_absolute_error: 2.6727 - val_loss
       9.8590 - val_mean_absolute_error: 2.
     3810
1047 Epoch 457/10000
1048 - 0s - loss: 14.8489 -
     mean_absolute_error: 2.7971 - val_loss
      10.5836 - val_mean_absolute_error: 2
     5134
1049 Epoch 458/10000
1050 - 0s - loss: 16.5119 -
     mean_absolute_error: 2.9163 - val_loss
       9.3912 - val_mean_absolute_error: 2.
     3026
1051 Epoch 459/10000
     - 0s - loss: 14.0060 -
1052
     mean_absolute_error: 2.6983 - val_loss
      9.6343 - val_mean_absolute_error: 2.
     3463
```

```
File - boston01
1053 Epoch 460/10000
      - 0s - loss: 15.5536 -
1054
     mean_absolute_error: 2.7502 - val_loss
       10.9089 - val_mean_absolute_error: 2
      4741
1055
     Epoch 00460: saving model to ./model/
1056
     model_best.h5
1057 Epoch 461/10000
1058 - 0s - loss: 13.6046 -
     mean_absolute_error: 2.7100 - val_loss
       10.7910 - val_mean_absolute_error: 2
      4534
1059 Epoch 462/10000
1060 - 0s - loss: 15.2929 -
     mean_absolute_error: 2.7890 - val_loss
       9.3597 - val_mean_absolute_error: 2.
     3339
1061 Epoch 463/10000
1062 - 0s - loss: 16.2554 -
     mean_absolute_error: 2.9001 - val_loss
       9.5973 - val_mean_absolute_error: 2.
     3169
1063 Epoch 464/10000
```

```
- 0s - loss: 13.9065 -
1064
     mean_absolute_error: 2.6925 - val_loss
       10.2403 - val_mean_absolute_error: 2
      4066
1065 Epoch 465/10000
     - 0s - Loss: 13.7225 -
1066
     mean_absolute_error: 2.8977 - val_loss
       10.4615 - val_mean_absolute_error: 2
      4859
1067 Epoch 466/10000
1068 - 0s - loss: 13.6976 -
     mean_absolute_error: 2.7681 - val_loss
      10.1234 - val_mean_absolute_error: 2
     3586
1069 Epoch 467/10000
1070 - 0s - loss: 12.5506 -
     mean_absolute_error: 2.6334 - val_loss
       9.7128 - val_mean_absolute_error: 2.
     3028
1071 Epoch 468/10000
     - 0s - loss: 15.6623 -
1072
     mean_absolute_error: 2.9622 - val_loss
       9.8836 - val_mean_absolute_error: 2.
     3427
```

1083 Epoch 473/10000

4367

10.8402 - val_mean_absolute_error:

```
- 0s - loss: 13.0358 -
1084
     mean_absolute_error: 2.6644 - val_loss
       10.4935 - val_mean_absolute_error: 2
      4141
1085 Epoch 474/10000
1086 - 0s - loss: 13.3304 -
     mean_absolute_error: 2.7141 - val_loss
       12.0753 - val_mean_absolute_error: 2
      6795
1087 Epoch 475/10000
1088 - 0s - loss: 13.5714 -
     mean_absolute_error: 2.6979 - val_loss
       9.0925 - val_mean_absolute_error: 2.
     2576
1089 Epoch 476/10000
1090 - 0s - loss: 13.5927 -
     mean_absolute_error: 2.7149 - val_loss
       9.4798 - val_mean_absolute_error: 2.
     3256
1091 Epoch 477/10000
     - 0s - loss: 11.2102 -
1092
     mean_absolute_error: 2.5404 - val_loss
       9.5793 - val_mean_absolute_error: 2.
     3331
```

1103 Epoch 482/10000

```
- 0s - loss: 14.8019 -
1104
     mean_absolute_error: 2.8286 - val_loss
      9.2900 - val_mean_absolute_error: 2.
     2954
1105 Epoch 483/10000
1106 - 0s - loss: 11.3912 -
     mean_absolute_error: 2.3335 - val_loss
       10.3083 - val_mean_absolute_error: 2
      3984
1107 Epoch 484/10000
1108 - 0s - loss: 15.0295 -
     mean_absolute_error: 2.7573 - val_loss
      9.9227 - val_mean_absolute_error: 2.
     3499
1109 Epoch 485/10000
1110 - 0s - loss: 16.7024 -
     mean_absolute_error: 2.9958 - val_loss
      9.6417 - val_mean_absolute_error: 2.
     3568
1111 Epoch 486/10000
1112 - 0s - loss: 14.9169 -
     mean_absolute_error: 2.8763 - val_loss
      9.9730 - val_mean_absolute_error: 2.
     3384
```

1122 Epoch 00490: saving model to ./model/model_best.h5

1123 Epoch 491/10000

```
- 0s - loss: 13.8910 -
1124
     mean_absolute_error: 2.6812 - val_loss
       10.0687 - val_mean_absolute_error: 2
      3710
1125 Epoch 492/10000
1126 - Os - Loss: 14.7447 -
     mean_absolute_error: 2.7973 - val_loss
       9.4730 - val_mean_absolute_error: 2.
     3380
1127 Epoch 493/10000
1128 - 0s - loss: 15.8649 -
     mean_absolute_error: 2.7571 - val_loss
       10.2720 - val_mean_absolute_error: 2
     3893
1129 Epoch 494/10000
1130 - 0s - loss: 16.2270 -
     mean_absolute_error: 2.7429 - val_loss
       9.7431 - val_mean_absolute_error: 2.
     3400
1131 Epoch 495/10000
     - 0s - loss: 14.8122 -
1132
     mean_absolute_error: 2.7993 - val_loss
     : 10.0338 - val_mean_absolute_error: 2
     4295
```

1141 Epoch 500/10000

1142 - 0s - loss: 16.0992 - mean_absolute_error: 2.7739 - val_loss : 10.2435 - val_mean_absolute_error: 2

1161 Epoch 509/10000

1162 - Os - Loss: 13.4359 - mean_absolute_error: 2.6165 - val_loss : 9.8829 - val_mean_absolute_error: 2.

```
File - boston01
1162 4014
1163 Epoch 510/10000
1164 - 0s - loss: 14.3660 -
     mean_absolute_error: 2.7571 - val_loss
       9.6252 - val_mean_absolute_error: 2.
     3108
1165
1166 Epoch 00510: saving model to ./model/
     model_best.h5
1167 Epoch 511/10000
1168 - 0s - loss: 15.6594 -
     mean_absolute_error: 2.7368 - val_loss
     : 11.6367 - val_mean_absolute_error: 2
      . 5626
1169 Epoch 512/10000
1170 - 0s - loss: 11.8173 -
     mean_absolute_error: 2.5338 - val_loss
       9.7625 - val_mean_absolute_error: 2.
     3383
1171 Epoch 513/10000
1172 - 0s - loss: 14.2580 -
     mean_absolute_error: 2.7780 - val_loss
     : 9.6438 - val_mean_absolute_error: 2.
     3259
```

1181 Epoch 518/10000

1182 - 0s - loss: 12.0870 - mean_absolute_error: 2.6451 - val_loss : 11.7896 - val_mean_absolute_error: 2

```
File - boston01
     . 5832
1182
1183 Epoch 519/10000
1184 - 0s - loss: 13.7144 -
     mean_absolute_error: 2.6713 - val_loss
       12.2731 - val_mean_absolute_error: 2
      5587
1185 Epoch 520/10000
1186 - 0s - loss: 15.3243 -
     mean_absolute_error: 2.8764 - val_loss
     : 11.4289 - val_mean_absolute_error:
      . 5953
1187
1188 Epoch 00520: saving model to ./model/
     model_best.h5
1189 Epoch 521/10000
1190 - 0s - loss: 12.0413 -
     mean_absolute_error: 2.5768 - val_loss
       10.6499 - val_mean_absolute_error: 2
      4822
1191 Epoch 522/10000
      - 0s - loss: 13.9443 -
1192
     mean_absolute_error: 2.7329 - val_loss
     : 10.5260 - val_mean_absolute_error: 2
      4687
```

1201 Epoch 527/10000

1202 - 0s - loss: 12.1431 - mean_absolute_error: 2.6043 - val_loss : 10.4716 - val_mean_absolute_error: 2

```
File - boston01
1202
     . 4589
1203 Epoch 528/10000
1204 - 0s - loss: 12.1683 -
     mean_absolute_error: 2.5848 - val_loss
       10.4686 - val_mean_absolute_error: 2
      4363
1205 Epoch 529/10000
1206 - 0s - loss: 15.0809 -
     mean_absolute_error: 2.8351 - val_loss
       10.2891 - val_mean_absolute_error:
      4438
1207 Epoch 530/10000
1208 - 0s - loss: 15.4522 -
     mean_absolute_error: 2.6283 - val_loss
       10.2241 - val_mean_absolute_error:
      . 3886
1209
1210 Epoch 00530: saving model to ./model/
     model_best.h5
1211 Epoch 531/10000
      - 0s - loss: 13.1566 -
1212
     mean_absolute_error: 2.5916 - val_loss
     : 10.2434 - val_mean_absolute_error: 2
      3627
```

1221 Epoch 536/10000

3825

1222 - Os - Loss: 12.1459 - mean_absolute_error: 2.5083 - val_loss: 11.1408 - val_mean_absolute_error: 2

```
File - boston01
1222 . 5242
1223 Epoch 537/10000
1224 - 0s - loss: 15.0436 -
     mean_absolute_error: 2.7119 - val_loss
       10.9922 - val_mean_absolute_error: 2
      4663
1225 Epoch 538/10000
1226 - 0s - loss: 11.5508 -
     mean_absolute_error: 2.4716 - val_loss
       10.6791 - val_mean_absolute_error:
      4611
1227 Epoch 539/10000
1228 - 0s - loss: 12.0551 -
     mean_absolute_error: 2.5324 - val_loss
       10.0557 - val_mean_absolute_error:
      3416
1229 Epoch 540/10000
1230 - 0s - loss: 16.1684 -
     mean_absolute_error: 2.8634 - val_loss
     : 10.1066 - val_mean_absolute_error:
      3550
1231
     Epoch 00540: saving model to ./model/
1232
     model_best.h5
```

1241 Epoch 545/10000

1242 - 0s - loss: 13.9792 - mean_absolute_error: 2.6387 - val_loss : 9.5536 - val_mean_absolute_error: 2.

```
9.1536 - val_mean_absolute_error: 2.
1252
     2756
1253
1254 Epoch 00550: saving model to ./model/
     model_best.h5
1255 Epoch 551/10000
1256 - 0s - loss: 11.5386 -
     mean_absolute_error: 2.4894 - val_loss
      10.1297 - val_mean_absolute_error: 2
     4517
1257 Epoch 552/10000
1258 - 0s - loss: 12.0260 -
     mean_absolute_error: 2.5606 - val_loss
       9.8609 - val_mean_absolute_error: 2.
     3450
1259 Epoch 553/10000
1260 - 0s - loss: 11.8037 -
     mean_absolute_error: 2.5684 - val_loss
     : 9.2675 - val_mean_absolute_error: 2.
     3034
1261 Epoch 554/10000
1262 - 0s - loss: 14.1826 -
     mean_absolute_error: 2.7010 - val_loss
     : 10.0654 - val_mean_absolute_error: 2
```

```
1272 : 11.3675 - val_mean_absolute_error: 2
     4515
1273 Epoch 560/10000
     - 0s - loss: 12.6860 -
1274
     mean_absolute_error: 2.6777 - val_loss
      9.8451 - val_mean_absolute_error: 2.
     3422
1275
1276 Epoch 00560: saving model to ./model/
     model_best.h5
1277 Epoch 561/10000
1278 - 0s - loss: 12.4307 -
     mean_absolute_error: 2.5892 - val_loss
       10.1782 - val_mean_absolute_error: 2
     4154
1279 Epoch 562/10000
1280 - 0s - loss: 12.0148 -
     mean_absolute_error: 2.5500 - val_loss
      10.4792 - val_mean_absolute_error: 2
     3766
1281 Epoch 563/10000
1282 - Os - Loss: 12.7273 -
     mean_absolute_error: 2.6863 - val_loss
     10.2981 - val_mean_absolute_error: 2
```

```
File - boston01
     . 4013
1282
1283 Epoch 564/10000
1284 - 0s - loss: 14.5108 -
     mean_absolute_error: 2.6709 - val_loss
       10.3967 - val_mean_absolute_error: 2
      3727
1285 Epoch 565/10000
1286 - 0s - loss: 12.7899 -
     mean_absolute_error: 2.6860 - val_loss
       10. 2491 - val_mean_absolute_error:
      3750
1287 Epoch 566/10000
1288 - 0s - loss: 13.1841 -
     mean_absolute_error: 2.5958 - val_loss
       9.3060 - val_mean_absolute_error: 2.
     2847
1289 Epoch 567/10000
1290 - Os - Loss: 14.3639 -
     mean_absolute_error: 2.6232 - val_loss
       9.1379 - val_mean_absolute_error: 2.
     2652
1291 Epoch 568/10000
1292 - 0s - loss: 10.6206 -
     mean_absolute_error: 2.4237 - val_loss
```

```
8.8511 - val_mean_absolute_error: 2.
1292
     2312
1293 Epoch 569/10000
1294 - 0s - Loss: 15.7844 -
     mean_absolute_error: 2.8262 - val_loss
      11.0054 - val_mean_absolute_error: 2
     5193
1295 Epoch 570/10000
     - 0s - loss: 15.0079 -
1296
     mean_absolute_error: 2.6772 - val_loss
      10.4830 - val_mean_absolute_error: 2
     4013
1297
    Epoch 00570: saving model to ./model/
1298
     model_best.h5
1299 Epoch 571/10000
1300 - 0s - loss: 11.2798 -
     mean_absolute_error: 2.4134 - val_loss
      10.3184 - val_mean_absolute_error: 2
     3532
1301 Epoch 572/10000
1302 - 0s - loss: 13.9157 -
     mean_absolute_error: 2.7681 - val_loss
      9.8177 - val_mean_absolute_error: 2.
```

```
File - boston01
1302 3178
1303 Epoch 573/10000
1304 - 0s - loss: 12.3133 -
     mean_absolute_error: 2.6068 - val_loss
       10.4755 - val_mean_absolute_error: 2
      3509
1305 Epoch 574/10000
1306 - 0s - loss: 16.0951 -
     mean_absolute_error: 2.8246 - val_loss
       10.0738 - val_mean_absolute_error:
      3299
1307 Epoch 575/10000
1308 - 0s - loss: 14.5506 -
     mean_absolute_error: 2.6565 - val_loss
       10.0667 - val_mean_absolute_error: 2
      3325
1309 Epoch 576/10000
1310 - 0s - loss: 13.2403 -
     mean_absolute_error: 2.7472 - val_loss
       9.6075 - val_mean_absolute_error: 2.
     3225
1311 Epoch 577/10000
1312 - 0s - loss: 14.1313 -
     mean_absolute_error: 2.7142 - val_l<u>oss</u>
```

```
1312 : 9.8528 - val_mean_absolute_error: 2.
     2987
1313 Epoch 578/10000
1314 - 0s - loss: 16.9705 -
     mean_absolute_error: 2.8370 - val_loss
       9.9935 - val_mean_absolute_error: 2.
     3696
1315 Epoch 579/10000
1316 - 0s - loss: 12.8233 -
     mean_absolute_error: 2.5314 - val_loss
       9.5447 - val_mean_absolute_error: 2.
     3164
1317 Epoch 580/10000
     - Os - loss: 13.5132 -
1318
     mean_absolute_error: 2.6401 - val_loss
      10.1262 - val_mean_absolute_error: 2
     . 3404
1319
1320 Epoch 00580: saving model to ./model/
     model_best.h5
1321 Epoch 581/10000
1322 - Os - Loss: 12.9067 -
     mean_absolute_error: 2.6072 - val_loss
      9.9327 - val_mean_absolute_error: 2.
```

```
9.2760 - val_mean_absolute_error: 2.
1332
     2607
1333 Epoch 587/10000
1334 - Os - Loss: 12.6329 -
     mean_absolute_error: 2.6132 - val_loss
       10.0094 - val_mean_absolute_error: 2
      3422
1335 Epoch 588/10000
     - 0s - loss: 13.5773 -
1336
     mean_absolute_error: 2.5677 - val_loss
       10.6002 - val_mean_absolute_error: 2
      4191
1337 Epoch 589/10000
     - 0s - loss: 15.0809 -
1338
     mean_absolute_error: 2.8220 - val_loss
       10.2081 - val_mean_absolute_error: 2
      3539
1339 Epoch 590/10000
1340 - 0s - loss: 15.4374 -
     mean_absolute_error: 2.8179 - val_loss
       9.7481 - val_mean_absolute_error: 2.
     3252
1341
1342 Epoch 00590: saving model to ./model/
```

```
9.6217 - val_mean_absolute_error: 2.
1352
     3023
1353 Epoch 596/10000
1354 - 0s - Loss: 11.2829 -
     mean_absolute_error: 2.6043 - val_loss
       10.6091 - val_mean_absolute_error: 2
      4052
1355 Epoch 597/10000
     - 0s - Loss: 14.1855 -
1356
     mean_absolute_error: 2.7097 - val_loss
       10.2308 - val_mean_absolute_error: 2
      3646
1357 Epoch 598/10000
     - Os - Loss: 11.3544 -
1358
     mean_absolute_error: 2.4566 - val_loss
       10.6284 - val_mean_absolute_error: 2
      4126
1359 Epoch 599/10000
1360 - 0s - loss: 14.4585 -
     mean_absolute_error: 2.6892 - val_loss
       10.7689 - val_mean_absolute_error: 2
      4161
1361 Epoch 600/10000
     - 0s - loss: 13.4421
1362
```

```
1362 mean_absolute_error: 2.5971 - val_loss
       10.6221 - val_mean_absolute_error: 2
     4049
1363
1364 Epoch 00600: saving model to ./model/
     model_best.h5
1365 Epoch 601/10000
1366 - Os - Loss: 13.5252 -
     mean_absolute_error: 2.6053 - val_loss
     11.0899 - val_mean_absolute_error: 2
     5239
1367 Epoch 602/10000
1368 - Os - Loss: 11.7169 -
     mean_absolute_error: 2.5298 - val_loss
       9.9122 - val_mean_absolute_error: 2.
     3745
1369 Epoch 603/10000
1370 - 0s - loss: 15.9770 -
     mean_absolute_error: 2.8904 - val_loss
      9.8560 - val_mean_absolute_error: 2.
     3329
1371 Epoch 604/10000
1372 - 0s - loss: 10.8816 -
     mean_absolute_error: 2.4281 - val_loss
```

```
10.1297 - val_mean_absolute_error: 2
1372
     3521
1373 Epoch 605/10000
     - 0s - loss: 12.2380 -
1374
     mean_absolute_error: 2.5236 - val_loss
      9.8625 - val_mean_absolute_error: 2.
     2920
1375 Epoch 606/10000
     - Os - loss: 12.5143 -
1376
     mean_absolute_error: 2.5517 - val_loss
       10.4358 - val_mean_absolute_error: 2
      3984
1377 Epoch 607/10000
     - 0s - loss: 13.0612 -
1378
     mean_absolute_error: 2.6339 - val_loss
      10.1667 - val_mean_absolute_error: 2
      3790
1379 Epoch 608/10000
1380 - 0s - loss: 14.4868 -
     mean_absolute_error: 2.6397 - val_loss
       10.4259 - val_mean_absolute_error: 2
      4316
1381 Epoch 609/10000
     - 0s - loss: 12.9108 -
1382
```

```
1382 mean_absolute_error: 2.5805 - val_loss
       10.9161 - val_mean_absolute_error: 2
      4161
1383 Epoch 610/10000
     - 0s - loss: 12.7706 -
1384
     mean_absolute_error: 2.5608 - val_loss
       10.4766 - val_mean_absolute_error: 2
     3604
1385
1386 Epoch 00610: saving model to ./model/
     model_best.h5
1387 Epoch 611/10000
1388 - 0s - loss: 14.8968 -
     mean_absolute_error: 2.6411 - val_loss
       10.3301 - val_mean_absolute_error:
      4186
1389 Epoch 612/10000
1390 - 0s - loss: 14.5074 -
     mean_absolute_error: 2.6308 - val_loss
       9.1030 - val_mean_absolute_error: 2.
     2136
1391 Epoch 613/10000
1392 - 0s - loss: 11.7275 -
     mean_absolute_error: 2.4650 - val_loss
```

```
9.1980 - val_mean_absolute_error: 2.
1392
     2489
1393 Epoch 614/10000
1394 - 0s - loss: 12.4255 -
     mean_absolute_error: 2.5343 - val_loss
       9.4408 - val_mean_absolute_error: 2.
     2929
1395 Epoch 615/10000
     - 0s - loss: 14.0143 -
1396
     mean_absolute_error: 2.7662 - val_loss
       8.8010 - val_mean_absolute_error: 2.
     1977
1397 Epoch 616/10000
     - 0s - loss: 12.5987 -
1398
     mean_absolute_error: 2.6134 - val_loss
       9.1833 - val_mean_absolute_error: 2.
     2340
1399 Epoch 617/10000
1400 - 0s - loss: 13.8475 -
     mean_absolute_error: 2.6708 - val_loss
       9.0565 - val_mean_absolute_error: 2.
     2394
1401 Epoch 618/10000
1402 - 0s - loss: 11.8973
```

```
1402 mean_absolute_error: 2.4779 - val_loss
       9.4870 - val_mean_absolute_error: 2.
     2487
1403 Epoch 619/10000
1404 - 0s - loss: 13.6371 -
     mean_absolute_error: 2.7209 - val_loss
      9.6076 - val_mean_absolute_error: 2.
     2590
1405 Epoch 620/10000
1406 - 0s - loss: 14.6848 -
     mean_absolute_error: 2.6657 - val_loss
      9.3854 - val_mean_absolute_error: 2.
     2353
1407
1408 Epoch 00620: saving model to ./model/
     model_best.h5
1409 Epoch 621/10000
1410 - 0s - loss: 13.0646 -
     mean_absolute_error: 2.6154 - val_loss
      10.1696 - val_mean_absolute_error: 2
     3770
1411 Epoch 622/10000
1412 - 0s - loss: 16.8594 -
     mean_absolute_error: 2.8421 - val_loss
```

```
: 9.5308 - val_mean_absolute_error: 2.
1412
     2806
1413 Epoch 623/10000
1414 - Os - Loss: 14.4502 -
     mean_absolute_error: 2.7164 - val_loss
      8.6326 - val_mean_absolute_error: 2.
     1544
1415 Epoch 624/10000
1416 - 0s - loss: 11.2730 -
     mean_absolute_error: 2.4448 - val_loss
       10.0498 - val_mean_absolute_error: 2
      3220
1417 Epoch 625/10000
     - 0s - loss: 14.3181 -
1418
     mean_absolute_error: 2.6882 - val_loss
       9.5187 - val_mean_absolute_error: 2.
     2397
1419 Epoch 626/10000
1420 - 0s - loss: 12.1062 -
     mean_absolute_error: 2.5296 - val_loss
       9.0944 - val_mean_absolute_error: 2.
     2002
1421 Epoch 627/10000
1422 - Os - Loss: 14.2265 -
```

```
1422 mean_absolute_error: 2.5898 - val_loss
       9.1978 - val_mean_absolute_error: 2.
     2113
1423 Epoch 628/10000
1424 - 0s - loss: 15.0105 -
     mean_absolute_error: 2.7200 - val_loss
       8.9472 - val_mean_absolute_error: 2.
     2233
1425 Epoch 629/10000
1426 - Os - Loss: 12.3544 -
     mean_absolute_error: 2.5609 - val_loss
      9.5595 - val_mean_absolute_error: 2.
     2859
1427 Epoch 630/10000
1428 - 0s - loss: 13.5141 -
     mean_absolute_error: 2.7228 - val_loss
     : 9.0717 - val_mean_absolute_error: 2.
     2924
1429
1430 Epoch 00630: saving model to ./model/
     model_best.h5
1431 Epoch 631/10000
1432 - 0s - loss: 14.2283 -
     mean_absolute_error: 2.6756 - val_loss
```

```
9.3443 - val_mean_absolute_error: 2.
1432
     2817
1433 Epoch 632/10000
1434 - 0s - loss: 15.8350 -
     mean_absolute_error: 2.8434 - val_loss
     : 8.6958 - val_mean_absolute_error: 2.
     1901
1435 Epoch 633/10000
1436 - 0s - loss: 12.2532 -
     mean_absolute_error: 2.5771 - val_loss
       9.3413 - val_mean_absolute_error: 2.
     2088
1437 Epoch 634/10000
     - 0s - loss: 11.5073 -
1438
     mean_absolute_error: 2.5191 - val_loss
       9.5238 - val_mean_absolute_error: 2.
     2714
1439 Epoch 635/10000
1440 - 0s - loss: 14.7383 -
     mean_absolute_error: 2.7342 - val_loss
       8.8108 - val_mean_absolute_error: 2.
     2087
1441 Epoch 636/10000
1442 - 0s - loss: 12.6048 -
```

```
1442 mean_absolute_error: 2.6447 - val_loss
       9.1730 - val_mean_absolute_error: 2.
     2346
1443 Epoch 637/10000
1444 - 0s - loss: 11.6289 -
     mean_absolute_error: 2.5432 - val_loss
      9.6638 - val_mean_absolute_error: 2.
     3379
1445 Epoch 638/10000
1446 - 0s - loss: 13.7244 -
     mean_absolute_error: 2.6779 - val_loss
      9.1571 - val_mean_absolute_error: 2.
     2104
1447 Epoch 639/10000
1448 - 0s - loss: 11.5273 -
     mean_absolute_error: 2.4350 - val_loss
      9.4222 - val_mean_absolute_error: 2.
     2599
1449 Epoch 640/10000
1450 - 0s - loss: 10.3180_-
     mean_absolute_error: 2.3706 - val_loss
     9.3781 - val_mean_absolute_error: 2.
     2982
1451
```

```
1452 Epoch 00640: saving model to ./model/
     model best.h5
1453 Epoch 641/10000
1454 - Os - Loss: 12.1852 -
     mean_absolute_error: 2.5721 - val_loss
      9.2703 - val_mean_absolute_error: 2.
     2533
1455 Epoch 642/10000
1456 - 0s - loss: 14.2277 -
     mean_absolute_error: 2.7914 - val_loss
       10.1044 - val_mean_absolute_error: 2
      3948
1457 Epoch 643/10000
     - 0s - loss: 11.8128 -
1458
     mean_absolute_error: 2.5766 - val_loss
      9.4532 - val_mean_absolute_error: 2.
     2647
1459 Epoch 644/10000
1460 - 0s - loss: 11.9504 -
     mean_absolute_error: 2.5115 - val_loss
       10.2368 - val_mean_absolute_error: 2
      3430
1461 Epoch 645/10000
1462 - 0s - loss: 11.2541
```

```
1462 mean_absolute_error: 2.4171 - val_loss
       10.3308 - val_mean_absolute_error: 2
      3695
1463 Epoch 646/10000
1464 - 0s - loss: 12.7042 -
     mean_absolute_error: 2.5619 - val_loss
       9.9691 - val_mean_absolute_error: 2.
     3804
1465 Epoch 647/10000
1466 - 0s - loss: 12.2855 -
     mean_absolute_error: 2.6502 - val_loss
      9.7166 - val_mean_absolute_error: 2.
     3310
1467 Epoch 648/10000
1468 - 0s - loss: 11.4289 -
     mean_absolute_error: 2.4986 - val_loss
       9.2595 - val_mean_absolute_error: 2.
     2752
1469 Epoch 649/10000
1470 - 0s - loss: 12.0182 -
     mean_absolute_error: 2.5671 - val_loss
      9.5534 - val_mean_absolute_error: 2.
     2844
1471 Epoch 650/10000
```

```
- 0s - loss: 14.6632 -
1472
     mean_absolute_error: 2.7421 - val_loss
       9.6767 - val_mean_absolute_error: 2.
     3763
1473
    Epoch 00650: saving model to ./model/
1474
     model_best.h5
1475 Epoch 651/10000
1476 - 0s - loss: 11.7853 -
     mean_absolute_error: 2.5565 - val_loss
       9.6184 - val_mean_absolute_error: 2.
     3123
1477 Epoch 652/10000
1478 - 0s - loss: 13.1807 -
     mean_absolute_error: 2.6655 - val_loss
       9.4715 - val_mean_absolute_error: 2.
     3362
1479 Epoch 653/10000
1480 - 0s - loss: 12.1320 -
     mean_absolute_error: 2.4923 - val_loss
       9.6391 - val_mean_absolute_error: 2.
     3306
1481 Epoch 654/10000
1482 - 0s - loss: 12.8179 -
```

```
1482 mean_absolute_error: 2.5920 - val_loss
       10.7358 - val_mean_absolute_error: 2
      4308
1483 Epoch 655/10000
1484 - 0s - loss: 11.6867 -
     mean_absolute_error: 2.5312 - val_loss
       9.6682 - val_mean_absolute_error: 2.
     2989
1485 Epoch 656/10000
1486 - 0s - loss: 11.3701 -
     mean_absolute_error: 2.4937 - val_loss
       9.0904 - val_mean_absolute_error: 2.
     2588
1487 Epoch 657/10000
1488 - 0s - loss: 13.0914 -
     mean_absolute_error: 2.6281 - val_loss
       9.0183 - val_mean_absolute_error: 2.
     2331
1489 Epoch 658/10000
1490 - 0s - loss: 10.1340 -
     mean_absolute_error: 2.4240 - val_loss
       8.5859 - val_mean_absolute_error: 2.
     2125
1491 Epoch 659/10000
```

```
- 0s - loss: 15.4691 -
1492
     mean_absolute_error: 2.8029 - val_loss
       9.6149 - val_mean_absolute_error: 2.
     3742
1493 Epoch 660/10000
1494 - 0s - loss: 14.5894 -
     mean_absolute_error: 2.7100 - val_loss
       8.7999 - val_mean_absolute_error: 2.
     2611
1495
1496 Epoch 00660: saving model to ./model/
     model_best.h5
1497 Epoch 661/10000
     - 0s - loss: 15.6363 -
1498
     mean_absolute_error: 2.7883 - val_loss
      8.4888 - val_mean_absolute_error: 2.
     2117
1499 Epoch 662/10000
1500 - 0s - loss: 14.9768 -
     mean_absolute_error: 2.6976 - val_loss
       8.3671 - val_mean_absolute_error: 2.
     1842
1501 Epoch 663/10000
1502 - 0s - loss: 13.8414 -
```

```
1502 mean_absolute_error: 2.7026 - val_loss
       8.9923 - val_mean_absolute_error: 2.
     2475
1503 Epoch 664/10000
1504 - 0s - loss: 11.6446 -
     mean_absolute_error: 2.5939 - val_loss
       9.2892 - val_mean_absolute_error: 2.
     3037
1505 Epoch 665/10000
1506 - 0s - loss: 13.6421 -
     mean_absolute_error: 2.5741 - val_loss
       10.1193 - val_mean_absolute_error: 2
     4161
1507 Epoch 666/10000
1508 - 0s - loss: 12.1398 -
     mean_absolute_error: 2.6027 - val_loss
       8.9400 - val_mean_absolute_error: 2.
     2300
1509 Epoch 667/10000
1510 - 0s - loss: 16.3760 -
     mean_absolute_error: 2.6738 - val_loss
     : 8.6072 - val_mean_absolute_error: 2.
     2025
1511 Epoch 668/10000
```

```
- 0s - loss: 12.2146 -
1512
     mean_absolute_error: 2.5041 - val_loss
       8.3514 - val_mean_absolute_error: 2.
     1796
1513 Epoch 669/10000
1514 - 0s - loss: 13.4524 -
     mean_absolute_error: 2.5552 - val_loss
       8.5783 - val_mean_absolute_error: 2.
     2134
1515 Epoch 670/10000
1516 - Os - Loss: 15.7541 -
     mean_absolute_error: 2.7765 - val_loss
     : 11.4589 - val_mean_absolute_error: 2
     . 6083
1517
    Epoch 00670: saving model to ./model/
1518
     model_best.h5
1519 Epoch 671/10000
1520 - 0s - loss: 12.7570 -
     mean_absolute_error: 2.6253 - val_loss
       8.6034 - val_mean_absolute_error: 2.
     1689
1521 Epoch 672/10000
1522 - 0s - loss: 15.2204 -
```

```
1522 mean_absolute_error: 2.7071 - val_loss
       9.5975 - val_mean_absolute_error: 2.
     2868
1523 Epoch 673/10000
1524 - 0s - loss: 12.5519 -
     mean_absolute_error: 2.5779 - val_loss
       9.0433 - val_mean_absolute_error: 2.
     2854
1525 Epoch 674/10000
1526 - Os - Loss: 11.7409 -
     mean_absolute_error: 2.4571 - val_loss
       10.4153 - val_mean_absolute_error: 2
     3490
1527 Epoch 675/10000
1528 - 0s - loss: 14.1832 -
     mean_absolute_error: 2.7155 - val_loss
     : 10.0684 - val_mean_absolute_error: 2
     . 3206
1529 Epoch 676/10000
1530 - Os - Loss: 15.9190 -
     mean_absolute_error: 2.6844 - val_loss
     : 8.8335 - val_mean_absolute_error: 2.
     2383
1531 Epoch 677/10000
```

```
- 0s - loss: 12.3249 -
1532
     mean_absolute_error: 2.4265 - val_loss
      9.2435 - val_mean_absolute_error: 2.
     2550
1533 Epoch 678/10000
1534 - 0s - loss: 12.6306 -
     mean_absolute_error: 2.5440 - val_loss
       10.0269 - val_mean_absolute_error:
      3705
1535 Epoch 679/10000
1536 - 0s - loss: 11.9312 -
     mean_absolute_error: 2.4567 - val_loss
      11.0424 - val_mean_absolute_error:
      3881
1537 Epoch 680/10000
     - 0s - Loss: 13.7333 -
1538
     mean_absolute_error: 2.7719 - val_loss
       9.4350 - val_mean_absolute_error: 2.
     3182
1539
    Epoch 00680: saving model to ./model/
1540
     model_best.h5
1541 Epoch 681/10000
1542 - 0s - loss: 12.8196
```

```
1542 mean_absolute_error: 2.4747 - val_loss
       8.6509 - val_mean_absolute_error: 2.
     1940
1543 Epoch 682/10000
1544 - 0s - loss: 10.9625 -
     mean_absolute_error: 2.4892 - val_loss
       9.6426 - val_mean_absolute_error: 2.
     3525
1545 Epoch 683/10000
1546 - 0s - loss: 11.6690 -
     mean_absolute_error: 2.5985 - val_loss
     : 8.7842 - val_mean_absolute_error: 2.
     1903
1547 Epoch 684/10000
1548 - 0s - loss: 11.5422 -
     mean_absolute_error: 2.4751 - val_loss
     : 10.0602 - val_mean_absolute_error: 2
      3851
1549 Epoch 685/10000
1550 - 0s - loss: 10.4185 -
     mean_absolute_error: 2.3877 - val_loss
      9.5400 - val_mean_absolute_error: 2.
     2753
1551 Epoch 686/10000
```

```
- 0s - loss: 11.0325 -
1552
     mean_absolute_error: 2.4125 - val_loss
       9.0982 - val_mean_absolute_error: 2.
     2525
1553 Epoch 687/10000
1554 - 0s - loss: 11.6574 -
     mean_absolute_error: 2.5246 - val_loss
       8.9233 - val_mean_absolute_error: 2.
     1872
1555 Epoch 688/10000
1556 - Os - Loss: 11.7299 -
     mean_absolute_error: 2.4934 - val_loss
     : 8.3069 - val_mean_absolute_error: 2.
     1168
1557 Epoch 689/10000
     - 0s - loss: 15.3252 -
1558 l
     mean_absolute_error: 2.8177 - val_loss
       8.9772 - val_mean_absolute_error: 2.
     2462
1559 Epoch 690/10000
1560 - 0s - loss: 13.1641 -
     mean_absolute_error: 2.6813 - val_loss
       9.3626 - val_mean_absolute_error: 2.
     2792
```

```
1561
    Epoch 00690: saving model to ./model/
1562
     model_best.h5
1563 Epoch 691/10000
1564 - 0s - loss: 14.2079 -
     mean_absolute_error: 2.6551 - val_loss
       9.9102 - val_mean_absolute_error: 2.
     3063
1565 Epoch 692/10000
1566 - 0s - loss: 13.4755 -
     mean_absolute_error: 2.5961 - val_loss
       10.0146 - val_mean_absolute_error: 2
     3299
1567 Epoch 693/10000
1568 - 0s - loss: 12.6064 -
     mean_absolute_error: 2.6137 - val_loss
       9.9059 - val_mean_absolute_error: 2.
     3989
1569 Epoch 694/10000
1570 - 0s - loss: 12.7785 -
     mean_absolute_error: 2.6827 - val_loss
       11.0696 - val_mean_absolute_error:
1571 Epoch 695/10000
```

```
- 0s - loss: 13.7210 -
1572
     mean_absolute_error: 2.6269 - val_loss
       10.0839 - val_mean_absolute_error: 2
      3577
1573 Epoch 696/10000
1574 - 0s - loss: 14.6134 -
     mean_absolute_error: 2.6475 - val_loss
       9.1249 - val_mean_absolute_error: 2.
     2185
1575 Epoch 697/10000
1576 - 0s - loss: 16.1870 -
     mean_absolute_error: 2.6611 - val_loss
       9.0763 - val_mean_absolute_error: 2.
     2403
1577 Epoch 698/10000
1578 - 0s - Loss: 14.0281 -
     mean_absolute_error: 2.7498 - val_loss
       10.5096 - val_mean_absolute_error: 2
      3941
1579 Epoch 699/10000
     - 0s - loss: 13.3069 -
1580 l
     mean_absolute_error: 2.6270 - val_loss
     : 10.1978 - val_mean_absolute_error: 2
     3576
```

```
- 0s - loss: 10.8648 -
1592
     mean_absolute_error: 2.5243 - val_loss
       9.7843 - val_mean_absolute_error: 2.
     3333
1593 Epoch 705/10000
1594 - 0s - loss: 13.5895 -
     mean_absolute_error: 2.6809 - val_loss
       11.0476 - val_mean_absolute_error: 2
      4319
1595 Epoch 706/10000
1596 - Os - Loss: 13.8528 -
     mean_absolute_error: 2.6140 - val_loss
       10.7499 - val_mean_absolute_error: 2
     4239
1597 Epoch 707/10000
     - 0s - Loss: 16.0716 -
1598
     mean_absolute_error: 2.8442 - val_loss
       9.9207 - val_mean_absolute_error: 2.
     3661
1599 Epoch 708/10000
     - 0s - loss: 12.2794 -
1600
     mean_absolute_error: 2.5251 - val_loss
     10.1791 - val_mean_absolute_error: 2
     4263
```

1610 - Os - Loss: 12.1594 - mean_absolute_error: 2.5371 - val_loss: 9.5777 - val_mean_absolute_error: 2.3370

1611 Epoch 713/10000

```
- 0s - loss: 12.1424 -
1612
     mean_absolute_error: 2.6009 - val_loss
       9.4964 - val_mean_absolute_error: 2.
     2506
1613 Epoch 714/10000
1614 - 0s - loss: 11.9733 -
     mean_absolute_error: 2.5298 - val_loss
       9.6909 - val_mean_absolute_error: 2.
     3234
1615 Epoch 715/10000
1616 - 0s - loss: 11.9124 -
     mean_absolute_error: 2.5025 - val_loss
       9.9692 - val_mean_absolute_error: 2.
     3174
1617 Epoch 716/10000
1618 - 0s - loss: 11.8406 -
     mean_absolute_error: 2.4819 - val_loss
       9.1621 - val_mean_absolute_error: 2.
     2430
1619 Epoch 717/10000
1620 - Os - Loss: 14.4607 -
     mean_absolute_error: 2.6841 - val_loss
       9.2720 - val_mean_absolute_error: 2.
     2130
```

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1631 Epoch 722/10000

```
- 0s - loss: 13.6625 -
1632
     mean_absolute_error: 2.6364 - val_loss
       10.3651 - val_mean_absolute_error: 2
      4279
1633 Epoch 723/10000
1634 - 0s - loss: 12.5454 -
     mean_absolute_error: 2.5552 - val_loss
       10.1043 - val_mean_absolute_error: 2
      3191
1635 Epoch 724/10000
1636 - Os - Loss: 11.8837 -
     mean_absolute_error: 2.5284 - val_loss
       12.1396 - val_mean_absolute_error: 2
     6304
1637 Epoch 725/10000
     - 0s - Loss: 11.4609 -
1638
     mean_absolute_error: 2.5052 - val_loss
       8.5727 - val_mean_absolute_error: 2.
     1655
1639 Epoch 726/10000
1640 - 0s - loss: 11.6658 -
     mean_absolute_error: 2.4645 - val_loss
       9.1485 - val_mean_absolute_error: 2.
     2203
```

1650 Epoch 00730: saving model to ./model/model_best.h5

1651 Epoch 731/10000

```
- 0s - loss: 12.9047 -
1652
     mean_absolute_error: 2.3861 - val_loss
       8.7346 - val_mean_absolute_error: 2.
     2337
1653 Epoch 732/10000
1654 - 0s - loss: 13.4635 -
     mean_absolute_error: 2.6543 - val_loss
       9.0096 - val_mean_absolute_error: 2.
     2425
1655 Epoch 733/10000
1656 - Os - Loss: 14.9297 -
     mean_absolute_error: 2.6505 - val_loss
      8.4610 - val_mean_absolute_error: 2.
     2019
1657 Epoch 734/10000
1658 - Os - Loss: 14.1103 -
     mean_absolute_error: 2.6562 - val_loss
       9.1619 - val_mean_absolute_error: 2.
     2417
1659 Epoch 735/10000
     - 0s - loss: 11.8902 -
1660
     mean_absolute_error: 2.4378 - val_loss
       9.3054 - val_mean_absolute_error: 2.
     2668
```

1669 Epoch 740/10000

1670 - 0s - loss: 11.7111 - mean_absolute_error: 2.4691 - val_loss : 10.0897 - val_mean_absolute_error: 2

1689 Epoch 749/10000

1690 - Os - Ioss: 12.2479 - mean_absolute_error: 2.4594 - val_loss : 8.9134 - val_mean_absolute_error: 2.

```
File - boston01
1690 2374
1691 Epoch 750/10000
1692 - 0s - loss: 10.9431 -
     mean_absolute_error: 2.4519 - val_loss
       8.9595 - val_mean_absolute_error: 2.
     2579
1693
1694 Epoch 00750: saving model to ./model/
     model_best.h5
1695 Epoch 751/10000
1696 - 0s - loss: 10.3552 -
     mean_absolute_error: 2.5268 - val_loss
       9.8254 - val_mean_absolute_error: 2.
     2988
1697 Epoch 752/10000
1698 - 0s - loss: 13.1296 -
     mean_absolute_error: 2.5521 - val_l<u>oss</u>
       10.3587 - val_mean_absolute_error: 2
      3878
1699 Epoch 753/10000
1700 - Os - Loss: 12.7754 -
     mean_absolute_error: 2.5614 - val_loss
     : 9.6655 - val_mean_absolute_error: 2.
     3431
```

1709 Epoch 758/10000

1710 - 0s - loss: 10.1978 - mean_absolute_error: 2.3974 - val_loss : 8.4963 - val_mean_absolute_error: 2.

```
File - boston01
1710 1932
1711 Epoch 759/10000
1712 - 0s - loss: 13.2052 -
     mean_absolute_error: 2.6386 - val_loss
       8.3625 - val_mean_absolute_error: 2.
     1878
1713 Epoch 760/10000
1714 - 0s - Loss: 12.8123 -
     mean_absolute_error: 2.5700 - val_loss
     : 8.7318 - val_mean_absolute_error: 2.
     2390
1715
1716 Epoch 00760: saving model to ./model/
     model_best.h5
1717 Epoch 761/10000
1718 - 0s - loss: 12.5765 -
     mean_absolute_error: 2.4888 - val_loss
       9.2873 - val_mean_absolute_error: 2.
     2793
1719 Epoch 762/10000
1720 - 0s - loss: 10.4762 -
     mean_absolute_error: 2.3862 - val_loss
       8.9232 - val_mean_absolute_error: 2.
     2428
```

- 0s - loss: 12.3806 -

mean_absolute_error: 2.5802 - val_loss 8.5818 - val_mean_absolute_error: 2. 1692

1723 Epoch 764/10000

1724 - 0s - loss: 14.1619 mean_absolute_error: 2.7664 - val_loss 9.1891 - val_mean_absolute_error: 2. 2519

1725 Epoch 765/10000

1726 - 0s - loss: 11.9384 mean_absolute_error: 2.4397 - val_loss 8.5838 - val_mean_absolute_error: 2. 2031

1727 Epoch 766/10000

1728 - 0s - loss: 13.6551 mean_absolute_error: 2.7163 - val_loss : 8.6622 - val_mean_absolute_error: 2. 2306

1729 Epoch 767/10000

1730 - 0s - loss: 11.6120 mean_absolute_error: 2.5490 - val_loss 8.2347 - val_mean_absolute_error: 2.

```
File - boston01
1730 1805
1731 Epoch 768/10000
1732 - 0s - loss: 12.3165 -
     mean_absolute_error: 2.4874 - val_loss
       8.2329 - val_mean_absolute_error: 2.
     2194
1733 Epoch 769/10000
1734 - 0s - loss: 12.0071 -
     mean_absolute_error: 2.4668 - val_loss
       9.2010 - val_mean_absolute_error: 2.
     2963
1735 Epoch 770/10000
1736 - Os - Loss: 12.5723 -
     mean_absolute_error: 2.4700 - val_loss
       8.8878 - val_mean_absolute_error: 2.
     2462
1737
1738 Epoch 00770: saving model to ./model/
     model_best.h5
1739 Epoch 771/10000
1740 - 0s - loss: 11.4173 -
     mean_absolute_error: 2.4001 - val_loss
       9.2472 - val_mean_absolute_error: 2.
     2546
```

1749 Epoch 776/10000

1750 - 0s - loss: 14.6660 - mean_absolute_error: 2.6136 - val_loss : 8.6349 - val_mean_absolute_error: 2.

```
File - boston01
1750 2440
1751 Epoch 777/10000
1752 - 0s - loss: 11.7452 -
     mean_absolute_error: 2.5350 - val_loss
       8.9751 - val_mean_absolute_error: 2.
     2405
1753 Epoch 778/10000
1754 - 0s - Loss: 12.2086 -
     mean_absolute_error: 2.4949 - val_loss
       8.6106 - val_mean_absolute_error: 2.
     1950
1755 Epoch 779/10000
1756 - 0s - loss: 12.0327 -
     mean_absolute_error: 2.4183 - val_loss
       10.2496 - val_mean_absolute_error: 2
      4219
1757 Epoch 780/10000
1758 - 0s - loss: 11.8185 -
     mean_absolute_error: 2.5752 - val_loss
       9.8333 - val_mean_absolute_error: 2.
     3481
1759
1760 Epoch 00780: saving model to ./model/
     model_best.h5
```

1769 Epoch 785/10000

1770 - 0s - loss: 9.2193 - mean_absolute_error: 2.2988 - val_loss : 9.0058 - val_mean_absolute_error: 2.

```
File - boston01
1780 1877
1781 Epoch 790/10000
1782 - 0s - loss: 10.9185 -
     mean_absolute_error: 2.4328 - val_loss
       8.1430 - val_mean_absolute_error: 2.
     1837
1783
1784 Epoch 00790: saving model to ./model/
     model_best.h5
1785 Epoch 791/10000
1786 - 0s - loss: 10.7025 -
     mean_absolute_error: 2.5035 - val_loss
       8.1749 - val_mean_absolute_error: 2.
     1873
1787 Epoch 792/10000
1788 - Os - Loss: 13.4179 -
     mean_absolute_error: 2.5796 - val_loss
       8.0357 - val_mean_absolute_error: 2.
     1670
1789 Epoch 793/10000
1790 - 0s - loss: 11.0229 -
     mean_absolute_error: 2.4299 - val_loss
     : 8.0665 - val_mean_absolute_error: 2.
     1699
```

1799 Epoch 798/10000

1800 - Os - Loss: 10.7398 - mean_absolute_error: 2.3982 - val_loss : 8.2903 - val_mean_absolute_error: 2.

```
File - boston01
1800 1893
1801 Epoch 799/10000
1802 - 0s - loss: 11.1007 -
     mean_absolute_error: 2.4168 - val_loss
       8.3152 - val_mean_absolute_error: 2.
     1976
1803 Epoch 800/10000
1804 - 0s - loss: 11.1854 -
     mean_absolute_error: 2.4312 - val_loss
     : 8.3565 - val_mean_absolute_error: 2.
     1958
1805
1806 Epoch 00800: saving model to ./model/
     model_best.h5
1807 Epoch 801/10000
1808 - Os - Loss: 11.8946 -
     mean_absolute_error: 2.5088 - val_loss
       8.3634 - val_mean_absolute_error: 2.
     2060
1809 Epoch 802/10000
1810 - Os - Loss: 11.5927 -
     mean_absolute_error: 2.5082 - val_loss
       8.3863 - val_mean_absolute_error: 2.
     2094
```

1819 Epoch 807/10000

1820 - Os - Loss: 11.8341 - mean_absolute_error: 2.3839 - val_loss : 8.1866 - val_mean_absolute_error: 2.

```
File - boston01
1820 1758
1821 Epoch 808/10000
1822 - Os - Loss: 12.4556 -
     mean_absolute_error: 2.4729 - val_loss
       8.2973 - val_mean_absolute_error: 2.
     1910
1823 Epoch 809/10000
1824 - 0s - loss: 12.0559 -
     mean_absolute_error: 2.4880 - val_loss
       8.2668 - val_mean_absolute_error: 2.
     1879
1825 Epoch 810/10000
1826 - Os - Loss: 10.6805 -
     mean_absolute_error: 2.3916 - val_loss
       8.2732 - val_mean_absolute_error: 2.
     1810
1827
1828 Epoch 00810: saving model to ./model/
     model_best.h5
1829 Epoch 811/10000
1830 - Os - Loss: 11.5014 -
     mean_absolute_error: 2.4581 - val_loss
     : 8.2768 - val_mean_absolute_error: 2.
     1881
```

1840 - Os - Loss: 9.7538 - mean_absolute_error: 2.3748 - val_loss : 8.4158 - val_mean_absolute_error: 2.

```
File - boston01
1840 1932
1841 Epoch 817/10000
1842 - 0s - loss: 10.1267 -
     mean_absolute_error: 2.3044 - val_loss
       8.3677 - val_mean_absolute_error: 2.
     1884
1843 Epoch 818/10000
1844 - Os - Loss: 12.6037 -
     mean_absolute_error: 2.5280 - val_loss
       8.3762 - val_mean_absolute_error: 2.
     1816
1845 Epoch 819/10000
1846 - Os - Loss: 11.6356 -
     mean_absolute_error: 2.4071 - val_loss
       8.3148 - val_mean_absolute_error: 2.
     1712
1847 Epoch 820/10000
1848 - Os - Loss: 10.4855 -
     mean_absolute_error: 2.3540 - val_loss
     : 8.2997 - val_mean_absolute_error: 2.
     1681
1849
     Epoch 00820: saving model to ./model/
1850
     model_best.h5
```

1860 - Os - Loss: 12.1361 - mean_absolute_error: 2.3698 - val_loss : 8.4432 - val_mean_absolute_error: 2.

```
File - boston01
1860 2002
1861 Epoch 826/10000
1862 - 0s - loss: 11.8013 -
     mean_absolute_error: 2.5468 - val_loss
       8.4491 - val_mean_absolute_error: 2.
     1955
1863 Epoch 827/10000
1864 - Os - Loss: 13.7239 -
     mean_absolute_error: 2.5734 - val_loss
       8.5890 - val_mean_absolute_error: 2.
     2081
1865 Epoch 828/10000
1866 - 0s - loss: 10.6898 -
     mean_absolute_error: 2.3957 - val_loss
       8.5337 - val_mean_absolute_error: 2.
     2066
1867 Epoch 829/10000
1868 - 0s - loss: 11.0283 -
     mean_absolute_error: 2.4264 - val_loss
       8.4562 - val_mean_absolute_error: 2.
     2079
1869 Epoch 830/10000
1870 - Os - Loss: 11.8421 -
     mean_absolute_error: 2.5139 - val_loss
```

```
1870 : 8.4102 - val_mean_absolute_error: 2.
     2105
1871
1872 Epoch 00830: saving model to ./model/
     model_best.h5
1873 Epoch 831/10000
1874 - 0s - loss: 10.4665 -
     mean_absolute_error: 2.4450 - val_loss
       8.4564 - val_mean_absolute_error: 2.
     2176
1875 Epoch 832/10000
1876 - Os - Loss: 11.1837 -
     mean_absolute_error: 2.3084 - val_loss
       8. 2769 - val_mean_absolute_error: 2.
     1950
1877 Epoch 833/10000
1878 - 0s - loss: 12.0833 -
     mean_absolute_error: 2.4944 - val_loss
     : 8.2814 - val_mean_absolute_error: 2.
     1950
1879 Epoch 834/10000
1880 - 0s - loss: 13.0668 -
     mean_absolute_error: 2.4651 - val_loss
      8.2782 - val_mean_absolute_error: 2.
```

```
File - boston01
1880 1911
1881 Epoch 835/10000
1882 - Os - Loss: 13.8679 -
     mean_absolute_error: 2.6746 - val_loss
       8.3170 - val_mean_absolute_error: 2.
     1942
1883 Epoch 836/10000
1884 - Os - Loss: 9.9936 -
     mean_absolute_error: 2.2735 - val_loss
       8. 2676 - val_mean_absolute_error: 2.
     1758
1885 Epoch 837/10000
1886 - Os - Loss: 12.2874 -
     mean_absolute_error: 2.4392 - val_loss
       8.3803 - val_mean_absolute_error: 2.
     1852
1887 Epoch 838/10000
1888 - Os - Loss: 12.9852 -
     mean_absolute_error: 2.5018 - val_loss
       8.2624 - val_mean_absolute_error: 2.
     1766
1889 Epoch 839/10000
1890 - 0s - loss: 11.9764 -
     mean_absolute_error: 2.5053 - val_l<u>oss</u>
```

```
8.3441 - val_mean_absolute_error: 2.
1890
     1802
1891 Epoch 840/10000
1892 - 0s - loss: 10.9629 -
     mean_absolute_error: 2.4426 - val_loss
      8.4272 - val_mean_absolute_error: 2.
     1954
1893
    Epoch 00840: saving model to ./model/
1894
     model best.h5
1895 Epoch 841/10000
1896 - 0s - loss: 9.9307 -
     mean_absolute_error: 2.3630 - val_loss
       8.4236 - val_mean_absolute_error: 2.
     1895
1897 Epoch 842/10000
1898 - 0s - loss: 12.0041 -
     mean_absolute_error: 2.5495 - val_loss
      8.4996 - val_mean_absolute_error: 2.
     1944
1899 Epoch 843/10000
1900 - 0s - loss: 10.0916 -
     mean_absolute_error: 2.3056 - val_loss
      8.3980 - val_mean_absolute_error: 2.
```

```
File - boston01
1900 1892
1901 Epoch 844/10000
1902 - 0s - loss: 12.9507 -
     mean_absolute_error: 2.5066 - val_loss
       8.5177 - val_mean_absolute_error: 2.
     2040
1903 Epoch 845/10000
1904 - 0s - loss: 8.1934 -
     mean_absolute_error: 2.1276 - val_loss
       8.4374 - val_mean_absolute_error: 2.
     1870
1905 Epoch 846/10000
1906 - 0s - loss: 12.1559 -
     mean_absolute_error: 2.4405 - val_loss
       8.4726 - val_mean_absolute_error: 2.
     1761
1907 Epoch 847/10000
1908 - 0s - loss: 12.6137 -
     mean_absolute_error: 2.4489 - val_loss
       8.4555 - val_mean_absolute_error: 2.
     1740
1909 Epoch 848/10000
1910 - 0s - loss: 11.1331 -
     mean_absolute_error: 2.3576 - val_loss
```

```
1910 : 8.4213 - val_mean_absolute_error: 2.
     1751
1911 Epoch 849/10000
1912 - 0s - Loss: 10.0823 -
     mean_absolute_error: 2.3252 - val_loss
     : 8.4584 - val_mean_absolute_error: 2.
     1795
1913 Epoch 850/10000
1914 - 0s - loss: 9.5983 -
     mean_absolute_error: 2.3294 - val_loss
       8.4321 - val_mean_absolute_error: 2.
     1809
1915
1916 Epoch 00850: saving model to ./model/
     model_best.h5
1917 Epoch 851/10000
1918 - Os - Loss: 11.8247 -
     mean_absolute_error: 2.4789 - val_loss
     : 8.3347 - val_mean_absolute_error: 2.
     1860
1919 Epoch 852/10000
1920 - 0s - loss: 9.9275 -
     mean_absolute_error: 2.4260 - val_loss
     8.4362 - val_mean_absolute_error: 2.
```

```
File - boston01
1920 1953
1921 Epoch 853/10000
1922 - 0s - loss: 10.1465 -
     mean_absolute_error: 2.3977 - val_loss
       8.4820 - val_mean_absolute_error: 2.
     1896
1923 Epoch 854/10000
1924 - 0s - Loss: 12.1006 -
     mean_absolute_error: 2.5262 - val_loss
       8.6007 - val_mean_absolute_error: 2.
     1859
1925 Epoch 855/10000
1926 - 0s - loss: 14.4070 -
     mean_absolute_error: 2.7724 - val_loss
       8.6605 - val_mean_absolute_error: 2.
     1919
1927 Epoch 856/10000
1928 - Os - Loss: 11.7639 -
     mean_absolute_error: 2.4599 - val_loss
       8.5861 - val_mean_absolute_error: 2.
     1966
1929 Epoch 857/10000
1930 - Os - Loss: 11.3767 -
     mean_absolute_error: 2.4064 - val_loss
```

```
8.5901 - val_mean_absolute_error: 2.
1930
     1923
1931 Epoch 858/10000
1932 - 0s - Loss: 9.9821 -
     mean_absolute_error: 2.4086 - val_loss
      8.5860 - val_mean_absolute_error: 2.
     2004
1933 Epoch 859/10000
1934 - 0s - loss: 11.3080 -
     mean_absolute_error: 2.4428 - val_loss
      8.5111 - val_mean_absolute_error: 2.
     1965
1935 Epoch 860/10000
1936 - Os - Loss: 13.7587 -
     mean_absolute_error: 2.5945 - val_loss
      8.4698 - val_mean_absolute_error: 2.
     1982
1937
1938 Epoch 00860: saving model to ./model/
     model_best.h5
1939 Epoch 861/10000
1940 - Os - Loss: 11.8886 -
     mean_absolute_error: 2.6062 - val_loss
     8.4781 - val_mean_absolute_error: 2.
```

```
File - boston01
1940 1967
1941 Epoch 862/10000
1942 - 0s - loss: 9.6883
     mean_absolute_error: 2.3241 - val_loss
       8.4250 - val_mean_absolute_error: 2.
     1864
1943 Epoch 863/10000
1944 - 0s - loss: 9.5005 -
     mean_absolute_error: 2.2477 - val_loss
       8.4883 - val_mean_absolute_error: 2.
     1789
1945 Epoch 864/10000
1946 - 0s - loss: 11.7266 -
     mean_absolute_error: 2.4907 - val_loss
       8.5065 - val_mean_absolute_error: 2.
     1871
1947 Epoch 865/10000
1948 - 0s - loss: 10.7715 -
     mean_absolute_error: 2.3721 - val_loss
       8.5518 - val_mean_absolute_error: 2.
     2086
1949 Epoch 866/10000
1950 - 0s - loss: 12.0866 -
     mean_absolute_error: 2.4599 - val_l<u>oss</u>
```

```
1950 : 8.5558 - val_mean_absolute_error: 2.
     2113
1951 Epoch 867/10000
1952 - Os - Loss: 11.6727 -
     mean_absolute_error: 2.3281 - val_loss
      8.5593 - val_mean_absolute_error: 2.
     2100
1953 Epoch 868/10000
1954 - 0s - loss: 12.5759 -
     mean_absolute_error: 2.5055 - val_loss
       8.4580 - val_mean_absolute_error: 2.
     1871
1955 Epoch 869/10000
1956 - Os - Loss: 10.0443 -
     mean_absolute_error: 2.3728 - val_loss
       8.5685 - val_mean_absolute_error: 2.
     1711
1957 Epoch 870/10000
1958 - 0s - loss: 12.7150 -
     mean_absolute_error: 2.5885 - val_loss
       8.5679 - val_mean_absolute_error: 2.
     1678
1959
1960 Epoch 00870: saving model to ./model/
```

```
8.6424 - val_mean_absolute_error: 2.
1970
     2079
1971 Epoch 876/10000
1972 - 0s - loss: 10.9664 -
     mean_absolute_error: 2.4525 - val_loss
     : 8.5404 - val_mean_absolute_error: 2.
     1958
1973 Epoch 877/10000
1974 - 0s - loss: 11.9721 -
     mean_absolute_error: 2.5560 - val_loss
      8.5695 - val_mean_absolute_error: 2.
     2212
1975 Epoch 878/10000
1976 - Os - Loss: 12.1278 -
     mean_absolute_error: 2.5812 - val_loss
      8.6038 - val_mean_absolute_error: 2.
     2225
1977 Epoch 879/10000
1978 - 0s - loss: 12.1859 -
     mean_absolute_error: 2.4198 - val_loss
       8.5487 - val_mean_absolute_error: 2.
     1958
1979 Epoch 880/10000
1980 - 0s - loss: 11.0676 -
```

```
1980 mean_absolute_error: 2.3789 - val_loss
       8.5665 - val_mean_absolute_error: 2.
     1852
1981
1982 Epoch 00880: saving model to ./model/
     model_best.h5
1983 Epoch 881/10000
1984 - Os - Loss: 13.9625 -
     mean_absolute_error: 2.6004 - val_loss
       8.5196 - val_mean_absolute_error: 2.
     1831
1985 Epoch 882/10000
1986 - 0s - loss: 10.7568 -
     mean_absolute_error: 2.2420 - val_loss
       8.5811 - val_mean_absolute_error: 2.
     1766
1987 Epoch 883/10000
1988 - Os - Loss: 11.4912 -
     mean_absolute_error: 2.4014 - val_loss
      8.5139 - val_mean_absolute_error: 2.
     1835
1989 Epoch 884/10000
1990 - 0s - loss: 11.4654 -
     mean_absolute_error: 2.4555 - val_loss
```

```
8.5526 - val_mean_absolute_error: 2.
1990
     2044
1991 Epoch 885/10000
1992 - 0s - loss: 13.1207 -
     mean_absolute_error: 2.4585 - val_loss
      8.5998 - val_mean_absolute_error: 2.
     2185
1993 Epoch 886/10000
1994 - 0s - loss: 12.0996 -
     mean_absolute_error: 2.4639 - val_loss
      8.5815 - val_mean_absolute_error: 2.
     2076
1995 Epoch 887/10000
1996 - Os - Loss: 10.2749 -
     mean_absolute_error: 2.2033 - val_loss
      8.5927 - val_mean_absolute_error: 2.
     2122
1997 Epoch 888/10000
1998 - 0s - loss: 11.1450 -
     mean_absolute_error: 2.4035 - val_loss
       8.5274 - val_mean_absolute_error: 2.
     2021
1999
    Epoch 00888: ReduceLROnPlateau
2000
```

```
File - boston01
2000 reducing learning rate to 1.
     0000000475e-05.
2001 Epoch 889/10000
2002 - Os - Loss: 11.5494 -
     mean_absolute_error: 2.5118 - val_loss
       8.5277 - val_mean_absolute_error: 2.
     2034
2003 Epoch 890/10000
2004 - 0s - loss: 10.6753 -
     mean_absolute_error: 2.5302 - val_loss
       8.5290 - val_mean_absolute_error: 2.
     2034
2005
2006 Epoch 00890: saving model to ./model/
     model_best.h5
2007 Epoch 891/10000
2008 - 0s - loss: 11.4646 -
     mean_absolute_error: 2.4643 - val_loss
     : 8.5233 - val_mean_absolute_error: 2.
     2019
2009 Epoch 892/10000
2010 - Os - Loss: 11.2829 -
     mean_absolute_error: 2.4534 - val_loss
      8.5306 - val_mean_absolute_error: 2.
```

```
File - boston01
2010 2037
2011 Epoch 893/10000
2012 - 0s - loss: 10.4955 -
     mean_absolute_error: 2.3699 - val_loss
       8.5180 - val_mean_absolute_error: 2.
     2020
2013 Epoch 894/10000
2014 - 0s - loss: 9.9634 -
     mean_absolute_error: 2.3602 - val_loss
     : 8.5179 - val_mean_absolute_error: 2.
     2017
2015 Epoch 895/10000
2016 - 0s - loss: 12.8232 -
     mean_absolute_error: 2.5583 - val_loss
       8.5147 - val_mean_absolute_error: 2.
     2011
2017 Epoch 896/10000
2018 - 0s - loss: 10.6347 -
     mean_absolute_error: 2.3860 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     2005
2019 Epoch 897/10000
2020 - 0s - loss: 11.1306 -
     mean_absolute_error: 2.3929 - val_l<u>oss</u>
```

```
2020 : 8.5111 - val_mean_absolute_error: 2.
     2000
2021 Epoch 898/10000
2022 - 0s - loss: 11.3930 -
     mean_absolute_error: 2.4862 - val_loss
     : 8.5175 - val_mean_absolute_error: 2.
     2010
2023 Epoch 899/10000
2024 - 0s - loss: 9.4842 -
     mean_absolute_error: 2.3348 - val_loss
       8.5175 - val_mean_absolute_error: 2.
     2016
2025 Epoch 900/10000
2026 - 0s - loss: 11.7530 -
     mean_absolute_error: 2.5346 - val_loss
      8.5062 - val_mean_absolute_error: 2.
     2004
2027
2028 Epoch 00900: saving model to ./model/
     model_best.h5
2029 Epoch 901/10000
2030 - 0s - loss: 11.0823 -
     mean_absolute_error: 2.3575 - val_loss
      8.4954 - val_mean_absolute_error: 2.
```

```
File - boston01
2030 1980
2031 Epoch 902/10000
2032 - Os - Loss: 11.7815 -
     mean_absolute_error: 2.5114 - val_loss
       8.5014 - val_mean_absolute_error: 2.
     1975
2033 Epoch 903/10000
2034 - 0s - loss: 11.7370 -
     mean_absolute_error: 2.3816 - val_loss
       8.4996 - val_mean_absolute_error: 2.
     1969
2035 Epoch 904/10000
2036 - 0s - loss: 10.8964 -
     mean_absolute_error: 2.3316 - val_loss
       8.4961 - val_mean_absolute_error: 2.
     1971
2037 Epoch 905/10000
2038 - 0s - loss: 11.8097 -
     mean_absolute_error: 2.5804 - val_loss
       8.4989 - val_mean_absolute_error: 2.
     1962
2039 Epoch 906/10000
2040 - 0s - loss: 11.2864 -
     mean_absolute_error: 2.3945 - val_loss
```

```
2040 : 8.5033 - val_mean_absolute_error: 2.
     1966
2041 Epoch 907/10000
2042 - 0s - loss: 11.1878 -
     mean_absolute_error: 2.4349 - val_loss
      8.4966 - val_mean_absolute_error: 2.
     1963
2043 Epoch 908/10000
2044 - 0s - loss: 12.8762 -
     mean_absolute_error: 2.5561 - val_loss
       8.5028 - val_mean_absolute_error: 2.
     1967
2045 Epoch 909/10000
2046 - Os - Loss: 12.0979 -
     mean_absolute_error: 2.4214 - val_loss
       8.5103 - val_mean_absolute_error: 2.
     1997
2047 Epoch 910/10000
2048 - 0s - loss: 10.2942 -
     mean_absolute_error: 2.3972 - val_loss
       8.5009 - val_mean_absolute_error: 2.
     1995
2049
2050 Epoch 00910: saving model to ./model/
```

```
File - boston01
2050 model_best.h5
2051 Epoch 911/10000
2052 - 0s - loss: 10.1605 -
     mean_absolute_error: 2.4482 - val_loss
       8.5058 - val_mean_absolute_error: 2.
     1990
2053 Epoch 912/10000
2054 - 0s - loss: 11.2345 -
     mean_absolute_error: 2.4019 - val_loss
       8.4981 - val_mean_absolute_error: 2.
     1985
2055 Epoch 913/10000
2056 - 0s - loss: 12.7466 -
     mean_absolute_error: 2.5253 - val_loss
       8.4929 - val_mean_absolute_error: 2.
     1967
2057 Epoch 914/10000
2058 - 0s - loss: 10.4725 -
     mean_absolute_error: 2.3824 - val_loss
       8.4950 - val_mean_absolute_error: 2.
     1956
2059 Epoch 915/10000
2060 - 0s - loss: 10.8083 -
     mean_absolute_error: 2.4399 - val_loss
```

```
8.4977 - val_mean_absolute_error: 2.
2060
     1972
2061 Epoch 916/10000
2062 - Os - Loss: 14.5028 -
     mean_absolute_error: 2.7044 - val_loss
      8.4985 - val_mean_absolute_error: 2.
     1971
2063 Epoch 917/10000
2064 - 0s - loss: 10.0644 -
     mean_absolute_error: 2.4235 - val_loss
       8.4987 - val_mean_absolute_error: 2.
     1978
2065 Epoch 918/10000
2066 - Os - Loss: 10.2425 -
     mean_absolute_error: 2.3368 - val_loss
      8.5018 - val_mean_absolute_error: 2.
     1982
2067 Epoch 919/10000
2068 - 0s - loss: 12.7549 -
     mean_absolute_error: 2.5320 - val_loss
       8.4936 - val_mean_absolute_error: 2.
     1962
2069 Epoch 920/10000
2070 - Os - Loss: 10.2943 -
```

```
2070 mean_absolute_error: 2.3110 - val_loss
       8.4902 - val_mean_absolute_error: 2.
     1944
2071
2072 Epoch 00920: saving model to ./model/
     model_best.h5
2073 Epoch 921/10000
2074 - 0s - loss: 10.3082 -
     mean_absolute_error: 2.3385 - val_loss
       8.4897 - val_mean_absolute_error: 2.
     1931
2075 Epoch 922/10000
2076 - 0s - loss: 10.6628 -
     mean_absolute_error: 2.3940 - val_loss
       8.4913 - val_mean_absolute_error: 2.
     1927
2077 Epoch 923/10000
2078 - 0s - loss: 9.8568 -
     mean_absolute_error: 2.2027 - val_loss
      8.4993 - val_mean_absolute_error: 2.
     1933
2079 Epoch 924/10000
2080 - 0s - loss: 12.0293 -
     mean_absolute_error: 2.4865 - val_loss
```

```
8.5033 - val_mean_absolute_error: 2.
2080
     1936
2081 Epoch 925/10000
2082 - Os - Loss: 12.2337 -
     mean_absolute_error: 2.5340 - val_loss
      8.4945 - val_mean_absolute_error: 2.
     1933
2083 Epoch 926/10000
     - 0s - loss: 10.1052 -
2084 l
     mean_absolute_error: 2.4205 - val_loss
       8.4961 - val_mean_absolute_error: 2.
     1950
2085 Epoch 927/10000
     - 0s - loss: 10.2598 -
2086 l
     mean_absolute_error: 2.3090 - val_loss
       8.4955 - val_mean_absolute_error: 2.
     1938
2087 Epoch 928/10000
2088 - 0s - loss: 10.8286 -
     mean_absolute_error: 2.4651 - val_loss
       8.4974 - val_mean_absolute_error: 2.
     1943
2089 Epoch 929/10000
2090 - 0s - loss: 11.9239
```

```
2090 mean_absolute_error: 2.4055 - val_loss
       8.5043 - val_mean_absolute_error: 2.
     1948
2091 Epoch 930/10000
2092 - 0s - loss: 11.5746 -
     mean_absolute_error: 2.5187 - val_loss
       8.5044 - val_mean_absolute_error: 2.
     1933
2093
2094 Epoch 00930: saving model to ./model/
     model_best.h5
2095 Epoch 931/10000
2096 - 0s - loss: 12.6624 -
     mean_absolute_error: 2.5585 - val_loss
       8.4994 - val_mean_absolute_error: 2.
     1931
2097 Epoch 932/10000
2098 - 0s - loss: 10.4152 -
     mean_absolute_error: 2.3576 - val_loss
       8.4946 - val_mean_absolute_error: 2.
     1940
2099 Epoch 933/10000
2100 - 0s - loss: 13.3819 -
     mean_absolute_error: 2.5315 - val_loss
```

```
8.5024 - val_mean_absolute_error: 2.
2100
     1939
2101 Epoch 934/10000
2102 - 0s - loss: 10.8678 -
     mean_absolute_error: 2.4196 - val_loss
     : 8.5005 - val_mean_absolute_error: 2.
     1931
2103 Epoch 935/10000
2104 - 0s - loss: 11.1160 -
     mean_absolute_error: 2.4208 - val_loss
       8.5077 - val_mean_absolute_error: 2.
     1945
2105 Epoch 936/10000
2106 - 0s - loss: 12.1659 -
     mean_absolute_error: 2.5378 - val_loss
       8.5009 - val_mean_absolute_error: 2.
     1949
2107 Epoch 937/10000
2108 - 0s - loss: 9.9952 -
     mean_absolute_error: 2.3499 - val_loss
       8.5042 - val_mean_absolute_error: 2.
     1963
2109 Epoch 938/10000
2110 - 0s - loss: 10.8887 -
```

```
2110 mean_absolute_error: 2.3039 - val_loss
       8.5071 - val_mean_absolute_error: 2.
     1937
2111 Epoch 939/10000
2112 - 0s - loss: 11.1935 -
     mean_absolute_error: 2.4685 - val_loss
       8.5052 - val_mean_absolute_error: 2.
     1923
2113 Epoch 940/10000
2114 - 0s - loss: 12.6843 -
     mean_absolute_error: 2.5233 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1920
2115
2116 Epoch 00940: saving model to ./model/
     model_best.h5
2117 Epoch 941/10000
2118 - 0s - loss: 12.4125 -
     mean_absolute_error: 2.5983 - val_loss
     : 8.5043 - val_mean_absolute_error: 2.
     1911
2119 Epoch 942/10000
2120 - 0s - loss: 11.4181 -
     mean_absolute_error: 2.4900 - val_loss
```

```
2120 : 8.5082 - val_mean_absolute_error: 2.
     1914
2121 Epoch 943/10000
2122 - 0s - loss: 11.1123 -
     mean_absolute_error: 2.4423 - val_loss
     : 8.5095 - val_mean_absolute_error: 2.
     1920
2123 Epoch 944/10000
2124 - 0s - loss: 11.2913 -
     mean_absolute_error: 2.5934 - val_loss
       8.5095 - val_mean_absolute_error: 2.
     1930
2125 Epoch 945/10000
2126 - 0s - loss: 8.8086 -
     mean_absolute_error: 2.2294 - val_loss
     : 8.5098 - val_mean_absolute_error: 2.
     1915
2127 Epoch 946/10000
2128 - 0s - loss: 10.5884 -
     mean_absolute_error: 2.3911 - val_loss
       8.4985 - val_mean_absolute_error: 2.
     1899
2129 Epoch 947/10000
2130 - 0s - loss: 11.5597 -
```

```
2130 mean_absolute_error: 2.4550 - val_loss
       8.4993 - val_mean_absolute_error: 2.
     1898
2131 Epoch 948/10000
2132 - 0s - loss: 12.1203 -
     mean_absolute_error: 2.4728 - val_loss
       8.4981 - val_mean_absolute_error: 2.
     1900
2133 Epoch 949/10000
2134 - 0s - loss: 11.1346 -
     mean_absolute_error: 2.4165 - val_loss
     : 8.4969 - val_mean_absolute_error: 2.
     1902
2135 Epoch 950/10000
2136 - 0s - loss: 9.6096 -
     mean_absolute_error: 2.2816 - val_loss
     : 8.4973 - val_mean_absolute_error: 2.
     1930
2137
    Epoch 00950: saving model to ./model/
2138
     model_best.h5
2139 Epoch 951/10000
2140 - 0s - loss: 11.8106 -
     mean_absolute_error: 2.4957 - val_l<u>oss</u>
```

```
8.4925 - val_mean_absolute_error: 2.
2140
     1924
2141 Epoch 952/10000
2142 - 0s - loss: 10.4546 -
     mean_absolute_error: 2.3368 - val_loss
     : 8.4911 - val_mean_absolute_error: 2.
     1928
2143 Epoch 953/10000
2144 - 0s - loss: 12.6496 -
     mean_absolute_error: 2.5370 - val_loss
       8.4935 - val_mean_absolute_error: 2.
     1924
2145 Epoch 954/10000
2146 - Os - Loss: 11.8992 -
     mean_absolute_error: 2.4560 - val_loss
       8.4957 - val_mean_absolute_error: 2.
     1928
2147 Epoch 955/10000
2148 - 0s - loss: 11.4919 -
     mean_absolute_error: 2.4933 - val_loss
       8.5036 - val_mean_absolute_error: 2.
     1949
2149 Epoch 956/10000
2150 - 0s - loss: 12.5692
```

```
2150 mean_absolute_error: 2.4500 - val_loss
       8.5098 - val_mean_absolute_error: 2.
     1944
2151 Epoch 957/10000
2152 - 0s - loss: 10.8594 -
     mean_absolute_error: 2.4379 - val_loss
       8.5055 - val_mean_absolute_error: 2.
     1938
2153 Epoch 958/10000
2154 - 0s - loss: 9.2994
     mean_absolute_error: 2.2001 - val_loss
       8.4983 - val_mean_absolute_error: 2.
     1939
2155 Epoch 959/10000
2156 - Os - Loss: 11.1712 -
     mean_absolute_error: 2.3418 - val_loss
       8.4894 - val_mean_absolute_error: 2.
     1932
2157 Epoch 960/10000
2158 - Os - Loss: 13.1982 -
     mean_absolute_error: 2.5962 - val_loss
     : 8.4894 - val_mean_absolute_error: 2.
     1910
2159
```

```
2160 Epoch 00960: saving model to ./model/
     model best.h5
2161 Epoch 961/10000
2162 - 0s - loss: 10.5226 -
     mean_absolute_error: 2.3861 - val_loss
      8.4884 - val_mean_absolute_error: 2.
     1899
2163 Epoch 962/10000
2164 - 0s - loss: 14.2350 -
     mean_absolute_error: 2.7070 - val_loss
       8.4926 - val_mean_absolute_error: 2.
     1915
2165 Epoch 963/10000
2166 - 0s - loss: 12.5565 -
     mean_absolute_error: 2.4693 - val_loss
       8.5001 - val_mean_absolute_error: 2.
     1925
2167 Epoch 964/10000
2168 - 0s - loss: 11.1274 -
     mean_absolute_error: 2.3934 - val_loss
       8.5073 - val_mean_absolute_error: 2.
     1939
2169 Epoch 965/10000
2170 - 0s - loss: 12.3817 -
```

```
2170 mean_absolute_error: 2.4494 - val_loss
       8.5058 - val_mean_absolute_error: 2.
     1932
2171 Epoch 966/10000
2172 - 0s - loss: 12.4408 -
     mean_absolute_error: 2.5741 - val_loss
       8.5184 - val_mean_absolute_error: 2.
     1943
2173 Epoch 967/10000
2174 - 0s - loss: 11.9826 -
     mean_absolute_error: 2.4438 - val_loss
       8.5267 - val_mean_absolute_error: 2.
     1949
2175 Epoch 968/10000
2176 - 0s - loss: 10.5703 -
     mean_absolute_error: 2.3133 - val_loss
       8.5313 - val_mean_absolute_error: 2.
     1957
2177 Epoch 969/10000
2178 - 0s - loss: 13.1880 -
     mean_absolute_error: 2.5325 - val_loss
       8.5389 - val_mean_absolute_error: 2.
     1947
2179 Epoch 970/10000
```

2182 Epoch 00970: saving model to ./model/model_best.h5

2183 Epoch 971/10000

2184 - Os - Loss: 10.8711 - mean_absolute_error: 2.4984 - val_loss : 8.5356 - val_mean_absolute_error: 2. 1935

2185 Epoch 972/10000

2186 - Os - Loss: 12.0378 - mean_absolute_error: 2.5409 - val_loss : 8.5328 - val_mean_absolute_error: 2.

2187 Epoch 973/10000

- Os - loss: 10.3861 - mean_absolute_error: 2.3174 - val_loss: 8.5357 - val_mean_absolute_error: 2.

2189 Epoch 974/10000

2190 - Os - Loss: 12.6567 -

```
2190 mean_absolute_error: 2.4399 - val_loss
       8.5287 - val_mean_absolute_error: 2.
     1931
2191 Epoch 975/10000
2192 - 0s - loss: 11.2701 -
     mean_absolute_error: 2.3304 - val_loss
       8.5315 - val_mean_absolute_error: 2.
     1941
2193 Epoch 976/10000
2194 - 0s - loss: 12.4383 -
     mean_absolute_error: 2.5962 - val_loss
       8.5409 - val_mean_absolute_error: 2.
     1949
2195 Epoch 977/10000
2196 - 0s - loss: 9.6544 -
     mean_absolute_error: 2.2973 - val_loss
       8.5420 - val_mean_absolute_error: 2.
     1951
2197 Epoch 978/10000
2198 - 0s - loss: 9.4356 -
     mean_absolute_error: 2.2375 - val_loss
       8.5372 - val_mean_absolute_error: 2.
     1947
2199 Epoch 979/10000
```

2209 Epoch 983/10000

2011

2210 - 0s - loss: 12.0059 -

8.5407 - val_mean_absolute_error: 2.

```
2210 mean_absolute_error: 2.5230 - val_loss
       8.5326 - val_mean_absolute_error: 2.
     2007
2211 Epoch 984/10000
2212 - 0s - loss: 11.0341 -
     mean_absolute_error: 2.4746 - val_loss
       8.5245 - val_mean_absolute_error: 2.
     1993
2213 Epoch 985/10000
2214 - 0s - loss: 11.9818 -
     mean_absolute_error: 2.5036 - val_loss
     : 8.5212 - val_mean_absolute_error: 2.
     1994
2215 Epoch 986/10000
2216 - 0s - loss: 10.5172 -
     mean_absolute_error: 2.3713 - val_loss
       8.5262 - val_mean_absolute_error: 2.
     1995
2217 Epoch 987/10000
2218 - 0s - loss: 10.3249 -
     mean_absolute_error: 2.2543 - val_loss
       8.5190 - val_mean_absolute_error: 2.
     1976
2219 Epoch 988/10000
```

```
- 0s - loss: 10.8572 -
2220
     mean_absolute_error: 2.4763 - val_loss
       8.5148 - val_mean_absolute_error: 2.
     1952
2221
2222 Epoch 00988: ReduceLROnPlateau
     reducing learning rate to 1.
     00000006569e-06.
2223 Epoch 989/10000
2224 - 0s - loss: 12.9240 -
     mean_absolute_error: 2.4937 - val_loss
       8.5146 - val_mean_absolute_error: 2.
     1954
2225 Epoch 990/10000
2226 - Os - Loss: 9.7247 -
     mean_absolute_error: 2.2774 - val_loss
     : 8.5148 - val_mean_absolute_error: 2.
     1953
2227
    Epoch 00990: saving model to ./model/
2228
     model_best.h5
2229 Epoch 991/10000
2230 - 0s - loss: 10.9340 -
     mean_absolute_error: 2.3693 - val_loss
```

```
8.5143 - val_mean_absolute_error: 2.
2230
     1954
2231 Epoch 992/10000
2232 - 0s - loss: 10.8030 -
     mean_absolute_error: 2.2915 - val_loss
      8.5150 - val_mean_absolute_error: 2.
     1955
2233 Epoch 993/10000
2234 - 0s - loss: 10.9540 -
     mean_absolute_error: 2.4387 - val_loss
       8.5152 - val_mean_absolute_error: 2.
     1957
2235 Epoch 994/10000
2236 - 0s - loss: 11.6094 -
     mean_absolute_error: 2.4420 - val_loss
      8.5154 - val_mean_absolute_error: 2.
     1956
2237 Epoch 995/10000
2238 - 0s - loss: 11.5454 -
     mean_absolute_error: 2.4765 - val_loss
       8.5146 - val_mean_absolute_error: 2.
     1956
2239 Epoch 996/10000
2240 - 0s - loss: 12.8698 -
```

```
2240 mean_absolute_error: 2.6232 - val_loss
       8.5143 - val_mean_absolute_error: 2.
     1955
2241 Epoch 997/10000
2242 - 0s - loss: 12.7750 -
     mean_absolute_error: 2.4479 - val_loss
       8.5141 - val_mean_absolute_error: 2.
     1954
2243 Epoch 998/10000
2244 - 0s - loss: 12.7174 -
     mean_absolute_error: 2.6298 - val_loss
     : 8.5144 - val_mean_absolute_error: 2.
     1955
2245 Epoch 999/10000
2246 - 0s - loss: 10.8028 -
     mean_absolute_error: 2.3280 - val_loss
       8.5140 - val_mean_absolute_error: 2.
     1954
2247 Epoch 1000/10000
    - 0s - loss: 11.3482 -
2248
     mean_absolute_error: 2.3199 - val_loss
     : 8.5149 - val_mean_absolute_error: 2.
     1955
```

2249

```
2250 Epoch 01000: saving model to ./model/
     model best.h5
2251 Epoch 1001/10000
2252 - Os - Loss: 12.5767 -
     mean_absolute_error: 2.5879 - val_loss
      8.5146 - val_mean_absolute_error: 2.
     1956
2253 Epoch 1002/10000
2254 - 0s - loss: 11.0243 -
     mean_absolute_error: 2.3752 - val_loss
       8.5143 - val_mean_absolute_error: 2.
     1952
2255 Epoch 1003/10000
2256 - 0s - loss: 9.0384 -
     mean_absolute_error: 2.3111 - val_loss
      8.5142 - val_mean_absolute_error: 2.
     1950
2257 Epoch 1004/10000
2258 - 0s - loss: 10.2619 -
     mean_absolute_error: 2.3344 - val_loss
       8.5135 - val_mean_absolute_error: 2.
     1948
2259 Epoch 1005/10000
2260 - 0s - loss: 10.3959 -
```

```
2260 mean_absolute_error: 2.4114 - val_loss
       8.5143 - val_mean_absolute_error: 2.
     1950
2261 Epoch 1006/10000
2262 - 0s - loss: 14.2606 -
     mean_absolute_error: 2.6950 - val_loss
       8.5126 - val_mean_absolute_error: 2.
     1950
2263 Epoch 1007/10000
2264 - 0s - loss: 14.3000 -
     mean_absolute_error: 2.6560 - val_loss
     : 8.5127 - val_mean_absolute_error: 2.
     1952
2265 Epoch 1008/10000
2266 - 0s - loss: 12.9036 -
     mean_absolute_error: 2.4853 - val_loss
       8.5133 - val_mean_absolute_error: 2.
     1952
2267 Epoch 1009/10000
    - 0s - loss: 10.9926 -
2268
     mean_absolute_error: 2.3427 - val_loss
       8.5139 - val_mean_absolute_error: 2.
     1953
2269 Epoch 1010/10000
```

```
- 0s - loss: 10.9239 -
2270
     mean_absolute_error: 2.3362 - val_loss
       8.5140 - val_mean_absolute_error: 2.
     1954
2271
2272 Epoch 01010: saving model to ./model/
     model_best.h5
2273 Epoch 1011/10000
2274 - 0s - loss: 11.3532 -
     mean_absolute_error: 2.4538 - val_loss
       8.5137 - val_mean_absolute_error: 2.
     1952
2275 Epoch 1012/10000
2276 - 0s - loss: 11.0713 -
     mean_absolute_error: 2.3642 - val_loss
       8.5136 - val_mean_absolute_error: 2.
     1951
2277 Epoch 1013/10000
2278 - 0s - loss: 11.9337 -
     mean_absolute_error: 2.4616 - val_loss
       8.5141 - val_mean_absolute_error: 2.
     1949
2279 Epoch 1014/10000
2280 - 0s - loss: 11.1542 -
```

```
2280 mean_absolute_error: 2.4564 - val_loss
       8.5147 - val_mean_absolute_error: 2.
     1949
2281 Epoch 1015/10000
2282 - 0s - loss: 11.7822 -
     mean_absolute_error: 2.4212 - val_loss
       8.5142 - val_mean_absolute_error: 2.
     1950
2283 Epoch 1016/10000
2284 - 0s - loss: 11.7522 -
     mean_absolute_error: 2.4309 - val_loss
     : 8.5139 - val_mean_absolute_error: 2.
     1951
2285 Epoch 1017/10000
2286 - 0s - loss: 11.0522 -
     mean_absolute_error: 2.3830 - val_loss
       8.5137 - val_mean_absolute_error: 2.
     1950
2287 Epoch 1018/10000
    - 0s - loss: 11.0715 -
2288
     mean_absolute_error: 2.3918 - val_loss
       8.5142 - val_mean_absolute_error: 2.
     1953
2289 Epoch 1019/10000
```

mean_absolute_error: 2.4809 - val_loss : 8.5128 - val_mean_absolute_error: 2.

2299 Epoch 1023/10000

2300 - Os - Loss: 12.4445 -

```
2300 mean_absolute_error: 2.4801 - val_loss
       8.5130 - val_mean_absolute_error: 2.
     1952
2301 Epoch 1024/10000
2302 - 0s - loss: 12.1827 -
     mean_absolute_error: 2.4165 - val_loss
       8.5127 - val_mean_absolute_error: 2.
     1953
2303 Epoch 1025/10000
2304 - 0s - loss: 11.2001 -
     mean_absolute_error: 2.5440 - val_loss
     : 8.5126 - val_mean_absolute_error: 2.
     1953
2305 Epoch 1026/10000
2306 - Os - Loss: 11.8836 -
     mean_absolute_error: 2.4807 - val_loss
       8.5126 - val_mean_absolute_error: 2.
     1955
2307 Epoch 1027/10000
    - 0s - loss: 10.8791 -
2308
     mean_absolute_error: 2.3364 - val_loss
       8.5120 - val_mean_absolute_error: 2.
     1954
2309 Epoch 1028/10000
```

2318 - 0s - loss: 11.9601 mean_absolute_error: 2.5080 - val_loss 8.5115 - val_mean_absolute_error: 2. 1953

2319 Epoch 1032/10000

2320 - 0s - loss: 10.4287 -

```
2320 mean_absolute_error: 2.4202 - val_loss
       8.5111 - val_mean_absolute_error: 2.
     1953
2321 Epoch 1033/10000
2322 - 0s - loss: 10.8675 -
     mean_absolute_error: 2.4401 - val_loss
       8.5114 - val_mean_absolute_error: 2.
     1952
2323 Epoch 1034/10000
2324 - 0s - loss: 12.2674 -
     mean_absolute_error: 2.5345 - val_loss
     : 8.5116 - val_mean_absolute_error: 2.
     1953
2325 Epoch 1035/10000
2326 - Os - Loss: 12.7696 -
     mean_absolute_error: 2.5040 - val_loss
       8.5119 - val_mean_absolute_error: 2.
     1954
2327 Epoch 1036/10000
    - 0s - loss: 13.9503 -
2328
     mean_absolute_error: 2.6063 - val_loss
       8.5114 - val_mean_absolute_error: 2.
     1953
2329 Epoch 1037/10000
```

2337
2338 Epoch 01040: saving model to ./model/model_best.h5

2339 Epoch 1041/10000

2340 - Os - Loss: 11.5784 -

```
2340 mean_absolute_error: 2.4468 - val_loss
       8.5091 - val_mean_absolute_error: 2.
     1951
2341 Epoch 1042/10000
2342 - Os - Loss: 11.7863 -
     mean_absolute_error: 2.5225 - val_loss
       8.5099 - val_mean_absolute_error: 2.
     1953
2343 Epoch 1043/10000
2344 - 0s - loss: 13.2013 -
     mean_absolute_error: 2.6033 - val_loss
     : 8.5103 - val_mean_absolute_error: 2.
     1953
2345 Epoch 1044/10000
2346 - Os - Loss: 10.7844 -
     mean_absolute_error: 2.3478 - val_loss
       8.5109 - val_mean_absolute_error: 2.
     1954
2347 Epoch 1045/10000
    - 0s - loss: 11.4739 -
2348
     mean_absolute_error: 2.3992 - val_loss
       8.5103 - val_mean_absolute_error: 2.
     1952
2349 Epoch 1046/10000
```

```
- 0s - loss: 10.7303 -
2350
     mean_absolute_error: 2.4158 - val_loss
       8.5101 - val_mean_absolute_error: 2.
     1951
2351 Epoch 1047/10000
2352 - 0s - loss: 9.5692 -
     mean_absolute_error: 2.2626 - val_loss
       8.5099 - val_mean_absolute_error: 2.
     1952
2353 Epoch 1048/10000
2354 - 0s - loss: 12.3206 -
     mean_absolute_error: 2.5581 - val_loss
       8.5096 - val_mean_absolute_error: 2.
     1953
2355 Epoch 1049/10000
     - 0s - loss: 10.8952 -
2356
     mean_absolute_error: 2.3960 - val_loss
       8.5102 - val_mean_absolute_error: 2.
     1954
2357 Epoch 1050/10000
     - 0s - loss: 11.4557 -
2358
     mean_absolute_error: 2.4743 - val_loss
       8.5110 - val_mean_absolute_error: 2.
     1955
```

```
2359
2360 Epoch 01050: saving model to ./model/
     model_best.h5
2361 Epoch 1051/10000
2362 - 0s - loss: 12.0701 -
     mean_absolute_error: 2.4429 - val_loss
       8.5102 - val_mean_absolute_error: 2.
     1953
2363 Epoch 1052/10000
2364 - 0s - loss: 12.9032 -
     mean_absolute_error: 2.5797 - val_loss
       8.5103 - val_mean_absolute_error: 2.
     1954
2365 Epoch 1053/10000
2366 - 0s - loss: 11.0460 -
     mean_absolute_error: 2.3841 - val_loss
       8.5096 - val_mean_absolute_error: 2.
     1953
2367 Epoch 1054/10000
    - 0s - loss: 12.2811 -
2368
     mean_absolute_error: 2.4580 - val_loss
       8.5098 - val_mean_absolute_error: 2.
     1955
2369 Epoch 1055/10000
```

```
- Os - Loss: 12.5498 -
2370
     mean_absolute_error: 2.4891 - val_loss
       8.5103 - val_mean_absolute_error: 2.
     1955
2371 Epoch 1056/10000
2372 - 0s - loss: 12.2468 -
     mean_absolute_error: 2.4666 - val_loss
       8.5097 - val_mean_absolute_error: 2.
     1953
2373 Epoch 1057/10000
2374 - 0s - loss: 10.9193 -
     mean_absolute_error: 2.4464 - val_loss
      8.5099 - val_mean_absolute_error: 2.
     1953
2375 Epoch 1058/10000
    - 0s - Loss: 14.7690 -
2376
     mean_absolute_error: 2.6531 - val_loss
       8.5106 - val_mean_absolute_error: 2.
     1952
2377 Epoch 1059/10000
     - 0s - loss: 10.6374 -
2378 l
     mean_absolute_error: 2.3785 - val_loss
     : 8.5105 - val_mean_absolute_error: 2.
     1952
```

```
File - boston01
2379 Epoch 1060/10000
      - 0s - loss: 12.4037 -
2380
     mean_absolute_error: 2.6199 - val_loss
       8.5105 - val_mean_absolute_error: 2.
     1954
2381
     Epoch 01060: saving model to ./model/
2382
     model_best.h5
2383 Epoch 1061/10000
2384 - Os - Loss: 11.8111 -
     mean_absolute_error: 2.3885 - val_loss
       8.5103 - val_mean_absolute_error: 2.
     1954
2385 Epoch 1062/10000
2386 - Os - Loss: 11.3448 -
     mean_absolute_error: 2.3822 - val_loss
       8.5102 - val_mean_absolute_error: 2.
     1954
2387 Epoch 1063/10000
      - 0s - loss: 12.1426 -
2388
     mean_absolute_error: 2.4704 - val_loss
       8.5106 - val_mean_absolute_error: 2.
     1956
2389 Epoch 1064/10000
```

2397 Epoch 1068/10000
2398 - 0s - loss: 13.0839 - mean_absolute_error: 2.5158 - val_loss : 8.5097 - val_mean_absolute_error: 2.

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1953

```
File - boston01
2399 Epoch 1069/10000
      - 0s - loss: 11.4237 -
2400
     mean_absolute_error: 2.3684 - val_loss
       8.5103 - val_mean_absolute_error: 2.
     1954
2401 Epoch 1070/10000
2402 - 0s - loss: 11.8541 -
     mean_absolute_error: 2.3825 - val_loss
       8.5105 - val_mean_absolute_error: 2.
     1955
2403
2404 Epoch 01070: saving model to ./model/
     model_best.h5
2405 Epoch 1071/10000
2406 - 0s - loss: 11.9166 -
     mean_absolute_error: 2.4852 - val_loss
       8.5107 - val_mean_absolute_error: 2.
     1956
2407 Epoch 1072/10000
2408 - 0s - loss: 9.8653 -
     mean_absolute_error: 2.3578 - val_loss
       8.5114 - val_mean_absolute_error: 2.
     1957
2409 Epoch 1073/10000
```

```
- 0s - loss: 9.9127 -
2410
     mean_absolute_error: 2.3120 - val_loss
       8.5117 - val_mean_absolute_error: 2.
     1956
2411 Epoch 1074/10000
2412 - 0s - loss: 10.5799 -
     mean_absolute_error: 2.4191 - val_loss
       8.5114 - val_mean_absolute_error: 2.
     1955
2413 Epoch 1075/10000
2414 - 0s - loss: 11.4627 -
     mean_absolute_error: 2.3626 - val_loss
       8.5114 - val_mean_absolute_error: 2.
     1955
2415 Epoch 1076/10000
    - 0s - loss: 11.4577 -
2416
     mean_absolute_error: 2.3998 - val_loss
       8.5117 - val_mean_absolute_error: 2.
     1956
2417 Epoch 1077/10000
     - 0s - loss: 9.4841 -
2418
     mean_absolute_error: 2.2326 - val_l<u>oss</u>
     : 8.5123 - val_mean_absolute_error: 2.
     1956
```

```
File - boston01
2419 Epoch 1078/10000
      - 0s - loss: 11.7202 -
2420
     mean_absolute_error: 2.4126 - val_loss
       8.5115 - val_mean_absolute_error: 2.
     1957
2421 Epoch 1079/10000
2422 - 0s - loss: 9.6599 -
     mean_absolute_error: 2.3420 - val_loss
       8.5119 - val_mean_absolute_error: 2.
     1958
2423 Epoch 1080/10000
2424 - 0s - loss: 12.2367 -
     mean_absolute_error: 2.5615 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1957
2425
2426 Epoch 01080: saving model to ./model/
     model_best.h5
2427 Epoch 1081/10000
     - 0s - loss: 10.7102 -
2428
     mean_absolute_error: 2.3930 - val_loss
       8.5125 - val_mean_absolute_error: 2.
     1957
2429 Epoch 1082/10000
```

```
- 0s - loss: 11.0925 -
2430
     mean_absolute_error: 2.4153 - val_loss
       8.5123 - val_mean_absolute_error: 2.
     1955
2431 Epoch 1083/10000
2432 - 0s - loss: 12.2388 -
     mean_absolute_error: 2.5838 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1956
2433 Epoch 1084/10000
2434 - 0s - loss: 9.7327 -
     mean_absolute_error: 2.3036 - val_loss
      8.5124 - val_mean_absolute_error: 2.
     1955
2435 Epoch 1085/10000
    - 0s - Loss: 11.4223 -
2436
     mean_absolute_error: 2.4731 - val_loss
       8.5121 - val_mean_absolute_error: 2.
     1955
2437 Epoch 1086/10000
     - 0s - loss: 10.8352 -
2438
     mean_absolute_error: 2.3707 - val_loss
       8.5129 - val_mean_absolute_error: 2.
     1955
```

```
File - boston01
2439 Epoch 1087/10000
      - 0s - loss: 9.9071 -
2440
     mean_absolute_error: 2.3760 - val_loss
       8.5127 - val_mean_absolute_error: 2.
     1955
2441 Epoch 1088/10000
2442 - 0s - loss: 9.9015 -
     mean_absolute_error: 2.3238 - val_loss
       8.5111 - val_mean_absolute_error: 2.
     1954
2443
2444 Epoch 01088: ReduceLROnPlateau
     reducing learning rate to 1e-06.
2445 Epoch 1089/10000
2446 - 0s - loss: 8.2365 -
     mean_absolute_error: 2.2144 - val_loss
       8.5119 - val_mean_absolute_error: 2.
     1955
2447 Epoch 1090/10000
     - 0s - loss: 11.9057 -
2448
     mean_absolute_error: 2.5272 - val_loss
     : 8.5116 - val_mean_absolute_error: 2.
     1956
```

2449

```
2450 Epoch 01090: saving model to ./model/
     model best.h5
2451 Epoch 1091/10000
2452 - 0s - loss: 8.6405 -
     mean_absolute_error: 2.2672 - val_loss
       8.5111 - val_mean_absolute_error: 2.
     1956
2453 Epoch 1092/10000
     - 0s - loss: 9.9938 -
2454
     mean_absolute_error: 2.3353 - val_loss
       8.5115 - val_mean_absolute_error: 2.
     1957
2455 Epoch 1093/10000
     - 0s - loss: 11.7155 -
2456 l
     mean_absolute_error: 2.5187 - val_loss
       8.5104 - val_mean_absolute_error: 2.
     1955
2457 Epoch 1094/10000
2458 - 0s - loss: 13.7812 -
     mean_absolute_error: 2.7031 - val_loss
       8.5113 - val_mean_absolute_error: 2.
     1955
2459 Epoch 1095/10000
2460 - 0s - loss: 11.4413 -
```

```
2460 mean_absolute_error: 2.4873 - val_loss
       8.5104 - val_mean_absolute_error: 2.
     1955
2461 Epoch 1096/10000
2462 - 0s - loss: 11.4126 -
     mean_absolute_error: 2.3625 - val_loss
       8.5104 - val_mean_absolute_error: 2.
     1957
2463 Epoch 1097/10000
2464 - 0s - loss: 12.1116 -
     mean_absolute_error: 2.4413 - val_loss
     : 8.5099 - val_mean_absolute_error: 2.
     1956
2465 Epoch 1098/10000
2466 - 0s - loss: 11.8230 -
     mean_absolute_error: 2.3375 - val_loss
       8.5098 - val_mean_absolute_error: 2.
     1958
2467 Epoch 1099/10000
    - 0s - loss: 12.6226 -
2468
     mean_absolute_error: 2.6275 - val_loss
       8.5099 - val_mean_absolute_error: 2.
     1959
2469 Epoch 1100/10000
```

```
- 0s - loss: 10.2559 -
2470
     mean_absolute_error: 2.3206 - val_loss
       8.5103 - val_mean_absolute_error: 2.
     1960
2471
2472 Epoch 01100: saving model to ./model/
     model_best.h5
2473 Epoch 1101/10000
2474 - 0s - loss: 11.3534 -
     mean_absolute_error: 2.4356 - val_loss
       8.5111 - val_mean_absolute_error: 2.
     1961
2475 Epoch 1102/10000
2476 - 0s - loss: 11.1756 -
     mean_absolute_error: 2.4622 - val_loss
       8.5115 - val_mean_absolute_error: 2.
     1962
2477 Epoch 1103/10000
2478 - 0s - loss: 12.5276 -
     mean_absolute_error: 2.4691 - val_loss
       8.5117 - val_mean_absolute_error: 2.
     1960
2479 Epoch 1104/10000
2480 - 0s - loss: 10.1647 -
```

```
2480 mean_absolute_error: 2.3111 - val_loss
       8.5123 - val_mean_absolute_error: 2.
     1962
2481 Epoch 1105/10000
2482 - 0s - loss: 13.4850 -
     mean_absolute_error: 2.5688 - val_loss
       8.5122 - val_mean_absolute_error: 2.
     1962
2483 Epoch 1106/10000
2484 - 0s - loss: 12.3780 -
     mean_absolute_error: 2.4886 - val_loss
      8.5126 - val_mean_absolute_error: 2.
     1963
2485 Epoch 1107/10000
2486 - 0s - loss: 12.3936 -
     mean_absolute_error: 2.4077 - val_loss
       8.5119 - val_mean_absolute_error: 2.
     1963
2487 Epoch 1108/10000
    - 0s - loss: 13.4315 -
2488
     mean_absolute_error: 2.4071 - val_loss
       8.5125 - val_mean_absolute_error: 2.
     1963
2489 Epoch 1109/10000
```

2498 - 0s - Toss: 10.6685 - mean_absolute_error: 2.4007 - val_loss : 8.5141 - val_mean_absolute_error: 2. 1966

2499 Epoch 1113/10000

2500 - 0s - loss: 11.5165 -

```
2500 mean_absolute_error: 2.4778 - val_loss
       8.5138 - val_mean_absolute_error: 2.
     1966
2501 Epoch 1114/10000
2502 - 0s - loss: 10.6688 -
     mean_absolute_error: 2.3780 - val_loss
       8.5137 - val_mean_absolute_error: 2.
     1965
2503 Epoch 1115/10000
2504 - 0s - loss: 11.4009 -
     mean_absolute_error: 2.4328 - val_loss
     : 8.5136 - val_mean_absolute_error: 2.
     1966
2505 Epoch 1116/10000
2506 - Os - Loss: 10.2770 -
     mean_absolute_error: 2.3245 - val_loss
       8.5137 - val_mean_absolute_error: 2.
     1966
2507 Epoch 1117/10000
    - 0s - loss: 11.1566 -
2508
     mean_absolute_error: 2.4267 - val_loss
       8.5136 - val_mean_absolute_error: 2.
     1964
2509 Epoch 1118/10000
```

```
- 0s - loss: 11.3039 -
2510
     mean_absolute_error: 2.3388 - val_loss
       8.5131 - val_mean_absolute_error: 2.
     1967
2511 Epoch 1119/10000
2512 - 0s - loss: 10.5839 -
     mean_absolute_error: 2.3879 - val_loss
       8.5128 - val_mean_absolute_error: 2.
     1967
2513 Epoch 1120/10000
2514 - 0s - loss: 11.1689 -
     mean_absolute_error: 2.3854 - val_loss
     : 8.5135 - val_mean_absolute_error: 2.
     1969
2515
2516 Epoch 01120: saving model to ./model/
     model_best.h5
2517 Epoch 1121/10000
2518 - 0s - loss: 10.8001 -
     mean_absolute_error: 2.3967 - val_loss
       8.5137 - val_mean_absolute_error: 2.
     1969
2519 Epoch 1122/10000
2520 - 0s - loss: 11.1211 -
```

```
2520 mean_absolute_error: 2.3611 - val_loss
       8.5140 - val_mean_absolute_error: 2.
     1967
2521 Epoch 1123/10000
2522 - 0s - loss: 14.0664 -
     mean_absolute_error: 2.5055 - val_loss
       8.5136 - val_mean_absolute_error: 2.
     1967
2523 Epoch 1124/10000
2524 - 0s - loss: 9.6796 -
     mean_absolute_error: 2.3480 - val_loss
      8.5133 - val_mean_absolute_error: 2.
     1965
2525 Epoch 1125/10000
2526 - Os - Loss: 9.1877 -
     mean_absolute_error: 2.1672 - val_loss
       8.5140 - val_mean_absolute_error: 2.
     1968
2527 Epoch 1126/10000
    - 0s - loss: 10.8261 -
2528
     mean_absolute_error: 2.4719 - val_loss
       8.5146 - val_mean_absolute_error: 2.
     1969
2529 Epoch 1127/10000
```

2537
2538 Epoch 01130: saving model to ./model/
model_best.h5
2539 Epoch 1131/10000
2540 - 0s - loss: 12.5537 -

```
2540 mean_absolute_error: 2.5667 - val_loss
       8.5158 - val_mean_absolute_error: 2.
     1966
2541 Epoch 1132/10000
2542 - 0s - loss: 10.5316 -
     mean_absolute_error: 2.3632 - val_loss
       8.5156 - val_mean_absolute_error: 2.
     1964
2543 Epoch 1133/10000
2544 - 0s - loss: 12.2633 -
     mean_absolute_error: 2.5183 - val_loss
     : 8.5166 - val_mean_absolute_error: 2.
     1966
2545 Epoch 1134/10000
2546 - Os - Loss: 12.5652 -
     mean_absolute_error: 2.5761 - val_loss
       8.5163 - val_mean_absolute_error: 2.
     1966
2547 Epoch 1135/10000
    - 0s - loss: 13.8422 -
2548
     mean_absolute_error: 2.5873 - val_loss
       8.5164 - val_mean_absolute_error: 2.
     1967
2549 Epoch 1136/10000
```

```
- 0s - loss: 11.5284 -
2550
     mean_absolute_error: 2.4954 - val_loss
       8.5168 - val_mean_absolute_error: 2.
     1967
2551 Epoch 1137/10000
2552 - 0s - loss: 10.9852 -
     mean_absolute_error: 2.4013 - val_loss
       8.5165 - val_mean_absolute_error: 2.
     1968
2553 Epoch 1138/10000
2554 - 0s - loss: 11.3600 -
     mean_absolute_error: 2.3070 - val_loss
      8.5160 - val_mean_absolute_error: 2.
     1966
2555 Epoch 1139/10000
     - 0s - loss: 12.6001 -
2556
     mean_absolute_error: 2.5127 - val_loss
       8.5152 - val_mean_absolute_error: 2.
     1965
2557 Epoch 1140/10000
     - 0s - loss: 10.7702 -
2558
     mean_absolute_error: 2.4011 - val_loss
       8.5152 - val_mean_absolute_error: 2.
     1963
```

```
2559
2560 Epoch 01140: saving model to ./model/
     model_best.h5
2561 Epoch 1141/10000
2562 - 0s - loss: 12.3276 -
     mean_absolute_error: 2.5143 - val_loss
       8.5149 - val_mean_absolute_error: 2.
     1962
2563 Epoch 1142/10000
2564 - 0s - loss: 11.2301 -
     mean_absolute_error: 2.2741 - val_loss
       8.5165 - val_mean_absolute_error: 2.
     1964
2565 Epoch 1143/10000
2566 - Os - Loss: 11.4571 -
     mean_absolute_error: 2.4224 - val_loss
       8.5168 - val_mean_absolute_error: 2.
     1964
2567 Epoch 1144/10000
    - 0s - loss: 9.3154 -
2568
     mean_absolute_error: 2.2228 - val_loss
       8.5166 - val_mean_absolute_error: 2.
     1967
2569 Epoch 1145/10000
```

```
- 0s - loss: 9.6209 -
2570
     mean_absolute_error: 2.4246 - val_loss
       8.5169 - val_mean_absolute_error: 2.
     1966
2571 Epoch 1146/10000
2572 - 0s - loss: 11.2090 -
     mean_absolute_error: 2.5005 - val_loss
       8.5179 - val_mean_absolute_error: 2.
     1967
2573 Epoch 1147/10000
2574 - 0s - loss: 10.1029 -
     mean_absolute_error: 2.3265 - val_loss
      8.5166 - val_mean_absolute_error: 2.
     1965
2575 Epoch 1148/10000
    - 0s - loss: 13.3683 -
2576
     mean_absolute_error: 2.6823 - val_loss
       8.5161 - val_mean_absolute_error: 2.
     1965
2577 Epoch 1149/10000
     - 0s - loss: 9.7320 -
2578
     mean_absolute_error: 2.3361 - val_loss
       8.5156 - val_mean_absolute_error: 2.
     1964
```

```
File - boston01
2579 Epoch 1150/10000
      - 0s - loss: 12.3402 -
2580
     mean_absolute_error: 2.4257 - val_loss
       8.5160 - val_mean_absolute_error: 2.
     1964
2581
     Epoch 01150: saving model to ./model/
2582
     model_best.h5
2583 Epoch 1151/10000
2584 - 0s - loss: 10.7072 -
     mean_absolute_error: 2.3964 - val_loss
       8.5163 - val_mean_absolute_error: 2.
     1965
2585 Epoch 1152/10000
2586 - Os - Loss: 12.6409 -
     mean_absolute_error: 2.4736 - val_loss
       8.5156 - val_mean_absolute_error: 2.
     1966
2587 Epoch 1153/10000
      - 0s - loss: 9.8401 -
2588
     mean_absolute_error: 2.3114 - val_loss
       8.5163 - val_mean_absolute_error: 2.
     1969
2589 Epoch 1154/10000
```

```
- 0s - loss: 11.7694 -
2590
     mean_absolute_error: 2.3609 - val_loss
       8.5168 - val_mean_absolute_error: 2.
     1970
2591 Epoch 1155/10000
2592 - 0s - loss: 10.7191 -
     mean_absolute_error: 2.3777 - val_loss
       8.5162 - val_mean_absolute_error: 2.
     1971
2593 Epoch 1156/10000
2594 - 0s - loss: 11.8528 -
     mean_absolute_error: 2.3644 - val_loss
       8.5156 - val_mean_absolute_error: 2.
     1970
2595 Epoch 1157/10000
     - 0s - loss: 10.9929 -
2596
     mean_absolute_error: 2.4521 - val_loss
       8.5155 - val_mean_absolute_error: 2.
     1969
2597 Epoch 1158/10000
     - 0s - loss: 11.7369 -
2598
     mean_absolute_error: 2.5118 - val_loss
      8.5147 - val_mean_absolute_error: 2.
     1969
```

```
File - boston01
2599 Epoch 1159/10000
      - 0s - loss: 8.6822 -
2600
     mean_absolute_error: 2.2941 - val_l<u>oss</u>
       8.5143 - val_mean_absolute_error: 2.
     1969
2601 Epoch 1160/10000
2602 - 0s - loss: 12.1035 -
     mean_absolute_error: 2.5463 - val_loss
       8.5140 - val_mean_absolute_error: 2.
     1967
2603
2604 Epoch 01160: saving model to ./model/
     model_best.h5
2605 Epoch 1161/10000
2606 - Os - Loss: 11.2590 -
     mean_absolute_error: 2.4507 - val_loss
       8.5141 - val_mean_absolute_error: 2.
     1966
2607 Epoch 1162/10000
     - 0s - loss: 10.8062 -
2608
     mean_absolute_error: 2.3756 - val_loss
       8.5140 - val_mean_absolute_error: 2.
     1966
2609 Epoch 1163/10000
```

```
- 0s - loss: 10.8097 -
2610
     mean_absolute_error: 2.3917 - val_loss
       8.5158 - val_mean_absolute_error: 2.
     1970
2611 Epoch 1164/10000
2612 - 0s - loss: 12.7488 -
     mean_absolute_error: 2.3866 - val_loss
       8.5158 - val_mean_absolute_error: 2.
     1971
2613 Epoch 1165/10000
2614 - 0s - loss: 11.5545 -
     mean_absolute_error: 2.3289 - val_loss
      8.5160 - val_mean_absolute_error: 2.
     1971
2615 Epoch 1166/10000
    - 0s - loss: 10.4513 -
2616
     mean_absolute_error: 2.3933 - val_loss
       8.5164 - val_mean_absolute_error: 2.
     1971
2617 Epoch 1167/10000
     - 0s - loss: 11.0563 -
2618
     mean_absolute_error: 2.4766 - val_loss
     : 8.5170 - val_mean_absolute_error: 2.
     1970
```

```
- 0s - loss: 12.0471 -
```

```
mean_absolute_error: 2.4553 - val_loss
```

: 8.5178 - val_mean_absolute_error: 2.

1971

- 2631 Epoch 1173/10000
- 2632 Os Loss: 11.5225 -

mean_absolute_error: 2.4730 - val_loss

: 8.5171 - val_mean_absolute_error: 2.

1971

- 2633 Epoch 1174/10000
- 2634 Os Loss: 10.0193 -

mean_absolute_error: 2.3566 - val_loss

: 8.5161 - val_mean_absolute_error: 2.

1971

- 2635 Epoch 1175/10000
- 2636 Os Loss: 12.2347 -

mean_absolute_error: 2.4064 - val_loss

: 8.5163 - val_mean_absolute_error: 2.

1972

- 2637 Epoch 1176/10000
- 2638 0s loss: 11.1623 -

mean_absolute_error: 2.3855 - val_loss

: 8.5155 - val_mean_absolute_error: 2.

1970

```
- 0s - loss: 11.7087 -
2650
     mean_absolute_error: 2.4922 - val_loss
       8.5168 - val_mean_absolute_error: 2.
     1968
2651 Epoch 1182/10000
2652 - 0s - loss: 12.0557 -
     mean_absolute_error: 2.4302 - val_loss
       8.5174 - val_mean_absolute_error: 2.
     1969
2653 Epoch 1183/10000
2654 - 0s - loss: 11.8726 -
     mean_absolute_error: 2.4527 - val_loss
      8.5171 - val_mean_absolute_error: 2.
     1970
2655 Epoch 1184/10000
     - 0s - loss: 12.7159 -
2656
     mean_absolute_error: 2.4314 - val_loss
       8.5181 - val_mean_absolute_error: 2.
     1970
2657 Epoch 1185/10000
     - 0s - loss: 12.8532 -
2658
     mean_absolute_error: 2.4625 - val_loss
       8.5180 - val_mean_absolute_error: 2.
     1969
```

```
2668 1972
2669
2670 Epoch 01190: saving model to ./model/
     model_best.h5
2671 Epoch 1191/10000
2672 - 0s - loss: 11.6490 -
     mean_absolute_error: 2.4901 - val_loss
       8.5174 - val_mean_absolute_error: 2.
     1971
2673 Epoch 1192/10000
2674 - 0s - loss: 11.4407 -
     mean_absolute_error: 2.4493 - val_loss
       8.5170 - val_mean_absolute_error: 2.
     1972
2675 Epoch 1193/10000
    - 0s - loss: 11.1681 -
2676
     mean_absolute_error: 2.4018 - val loss
       8.5169 - val_mean_absolute_error: 2.
     1971
2677 Epoch 1194/10000
2678 - 0s - loss: 9.6464 -
     mean_absolute_error: 2.2279 - val_loss
     : 8.5165 - val_mean_absolute_error: 2.
     1972
```

File - boston01

```
File - boston01
2688 1969
2689 Epoch 1200/10000
2690 - 0s - loss: 11.8790 -
     mean_absolute_error: 2.4073 - val_loss
       8.5156 - val_mean_absolute_error: 2.
     1969
2691
2692 Epoch 01200: saving model to ./model/
     model_best.h5
2693 Epoch 1201/10000
2694 - 0s - loss: 10.7028 -
     mean_absolute_error: 2.3468 - val_loss
       8.5155 - val_mean_absolute_error: 2.
     1968
2695 Epoch 1202/10000
     - 0s - loss: 9.1998 -
2696
     mean_absolute_error: 2.2403 - val_loss
       8.5144 - val_mean_absolute_error: 2.
     1967
2697 Epoch 1203/10000
      - 0s - loss: 11.2385 -
2698
     mean_absolute_error: 2.3602 - val_loss
       8.5155 - val_mean_absolute_error: 2.
     1968
```

8.5133 - val_mean_absolute_error: 2.

```
File - boston01
2708 1962
2709 Epoch 1209/10000
2710 - 0s - loss: 12.4992 -
     mean_absolute_error: 2.4864 - val_loss
       8.5135 - val_mean_absolute_error: 2.
     1963
2711 Epoch 1210/10000
2712 - 0s - loss: 10.9369 -
     mean_absolute_error: 2.4234 - val_loss
     : 8.5139 - val_mean_absolute_error: 2.
     1964
2713
2714 Epoch 01210: saving model to ./model/
     model_best.h5
2715 Epoch 1211/10000
2716 - 0s - loss: 11.9443 -
     mean_absolute_error: 2.4087 - val_loss
       8.5143 - val_mean_absolute_error: 2.
     1964
2717 Epoch 1212/10000
2718 - 0s - loss: 10.6805 -
     mean_absolute_error: 2.4328 - val_loss
     : 8.5133 - val_mean_absolute_error: 2.
     1962
```

- 0s - loss: 9.7348 - mean_absolute_error: 2.3182 - val_loss: 8.5163 - val_mean_absolute_error: 2.

```
File - boston01
2728 1963
2729 Epoch 1218/10000
2730 - 0s - loss: 11.2062 -
     mean_absolute_error: 2.4171 - val_loss
       8.5152 - val_mean_absolute_error: 2.
     1962
2731 Epoch 1219/10000
2732 - 0s - loss: 13.2093 -
     mean_absolute_error: 2.5664 - val_loss
       8.5162 - val_mean_absolute_error: 2.
     1964
2733 Epoch 1220/10000
2734 - 0s - loss: 11.1100 -
     mean_absolute_error: 2.3782 - val_loss
       8.5161 - val_mean_absolute_error: 2.
     1963
2735
2736 Epoch 01220: saving model to ./model/
     model_best.h5
2737 Epoch 1221/10000
2738 - 0s - loss: 13.3256 -
     mean_absolute_error: 2.4900 - val_loss
     : 8.5163 - val_mean_absolute_error: 2.
     1964
```

8.5160 - val_mean_absolute_error: 2.

```
File - boston01
2748 1962
2749 Epoch 1227/10000
2750 - 0s - loss: 12.7416 -
     mean_absolute_error: 2.5213 - val_loss
       8.5164 - val_mean_absolute_error: 2.
     1962
2751 Epoch 1228/10000
2752 - 0s - loss: 11.0872 -
     mean_absolute_error: 2.3552 - val_loss
       8.5168 - val_mean_absolute_error: 2.
     1961
2753 Epoch 1229/10000
2754 - 0s - loss: 10.8699 -
     mean_absolute_error: 2.3897 - val_loss
       8.5164 - val_mean_absolute_error: 2.
     1961
2755 Epoch 1230/10000
2756 - 0s - loss: 11.7226 -
     mean_absolute_error: 2.5082 - val_loss
     : 8.5151 - val_mean_absolute_error: 2.
     1960
2757
     Epoch 01230: saving model to ./model/
2758
     model_best.h5
```

8.5150 - val_mean_absolute_error: 2.

```
File - boston01
2768 1962
2769 Epoch 1236/10000
2770 - 0s - loss: 10.7268 -
     mean_absolute_error: 2.3418 - val_loss
       8.5154 - val_mean_absolute_error: 2.
     1963
2771 Epoch 1237/10000
2772 - 0s - loss: 10.0668 -
     mean_absolute_error: 2.3400 - val_loss
       8.5150 - val_mean_absolute_error: 2.
     1960
2773 Epoch 1238/10000
2774 - 0s - loss: 9.5368 -
     mean_absolute_error: 2.3996 - val_loss
       8.5156 - val_mean_absolute_error: 2.
     1960
2775 Epoch 1239/10000
2776 - 0s - loss: 13.2626 -
     mean_absolute_error: 2.5488 - val_loss
       8.5156 - val_mean_absolute_error: 2.
     1960
2777 Epoch 1240/10000
2778 - 0s - loss: 12.0914 -
     mean_absolute_error: 2.6201 - val_loss
```

```
: 8.5153 - val_mean_absolute_error: 2.
2778
     1959
2779
2780 Epoch 01240: saving model to ./model/
     model_best.h5
2781 Epoch 1241/10000
     - 0s - loss: 10.0540 -
2782
     mean_absolute_error: 2.3154 - val_loss
       8.5156 - val_mean_absolute_error: 2.
     1958
2783 Epoch 1242/10000
2784 - 0s - loss: 11.7258 -
     mean_absolute_error: 2.4626 - val_loss
       8.5158 - val_mean_absolute_error: 2.
     1958
2785 Epoch 1243/10000
2786 - 0s - loss: 10.4234 -
     mean_absolute_error: 2.3378 - val_loss
     : 8.5164 - val_mean_absolute_error: 2.
     1960
2787 Epoch 1244/10000
2788 - 0s - loss: 10.8863 -
     mean_absolute_error: 2.3615 - val_loss
      8.5163 - val_mean_absolute_error: 2.
```

```
File - boston01
2788 1959
2789 Epoch 1245/10000
2790 - 0s - loss: 10.3107 -
     mean_absolute_error: 2.2526 - val_loss
       8.5155 - val_mean_absolute_error: 2.
     1959
2791 Epoch 1246/10000
2792 - 0s - loss: 10.6695 -
     mean_absolute_error: 2.4368 - val_loss
       8.5145 - val_mean_absolute_error: 2.
     1958
2793 Epoch 1247/10000
2794 - 0s - loss: 13.5795 -
     mean_absolute_error: 2.5586 - val_loss
       8.5142 - val_mean_absolute_error: 2.
     1956
2795 Epoch 1248/10000
2796 - 0s - loss: 12.9179 -
     mean_absolute_error: 2.4837 - val_loss
       8.5140 - val_mean_absolute_error: 2.
     1956
2797 Epoch 1249/10000
2798 - 0s - loss: 10.5733 -
     mean_absolute_error: 2.4403 - val_loss
```

```
: 8.5138 - val_mean_absolute_error: 2.
2798
     1956
2799 Epoch 1250/10000
2800 - 0s - loss: 11.6339 -
     mean_absolute_error: 2.4421 - val_loss
      8.5134 - val_mean_absolute_error: 2.
     1957
2801
2802 Epoch 01250: saving model to ./model/
     model best.h5
2803 Epoch 1251/10000
2804 - 0s - loss: 10.2686 -
     mean_absolute_error: 2.3545 - val_loss
       8.5123 - val_mean_absolute_error: 2.
     1955
2805 Epoch 1252/10000
2806 - 0s - loss: 13.3052 -
     mean_absolute_error: 2.5460 - val_loss
     : 8.5126 - val_mean_absolute_error: 2.
     1957
2807 Epoch 1253/10000
    - 0s - loss: 11.8209 -
2808
     mean_absolute_error: 2.4618 - val_loss
      8.5133 - val_mean_absolute_error: 2.
```

```
File - boston01
2808 1958
2809 Epoch 1254/10000
2810 - 0s - loss: 12.8636 -
     mean_absolute_error: 2.5757 - val_loss
       8.5126 - val_mean_absolute_error: 2.
     1954
2811 Epoch 1255/10000
2812 - 0s - Loss: 13.0520 -
     mean_absolute_error: 2.5395 - val_loss
       8.5126 - val_mean_absolute_error: 2.
     1951
2813 Epoch 1256/10000
2814 - 0s - loss: 12.4337 -
     mean_absolute_error: 2.5969 - val_loss
       8.5125 - val_mean_absolute_error: 2.
     1949
2815 Epoch 1257/10000
2816 - 0s - loss: 10.6204 -
     mean_absolute_error: 2.3776 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1948
2817 Epoch 1258/10000
2818 - 0s - loss: 11.2170 -
     mean_absolute_error: 2.4397 - val_l<u>oss</u>
```

```
: 8.5116 - val_mean_absolute_error: 2.
2818
     1947
2819 Epoch 1259/10000
2820 - 0s - loss: 11.4376 -
     mean_absolute_error: 2.4186 - val_loss
       8.5107 - val_mean_absolute_error: 2.
     1948
2821 Epoch 1260/10000
2822 - 0s - loss: 12.1923 -
     mean_absolute_error: 2.4913 - val_loss
       8.5103 - val_mean_absolute_error: 2.
     1947
2823
    Epoch 01260: saving model to ./model/
2824
     model_best.h5
2825 Epoch 1261/10000
     - 0s - loss: 12.4744 -
2826
     mean_absolute_error: 2.5579 - val_loss
       8.5109 - val_mean_absolute_error: 2.
     1949
2827 Epoch 1262/10000
2828 - Os - Loss: 10.5226 -
     mean_absolute_error: 2.4674 - val_loss
      8.5107 - val_mean_absolute_error: 2.
```

```
File - boston01
2828 1950
2829 Epoch 1263/10000
2830 - Os - Loss: 12.7463 -
     mean_absolute_error: 2.5563 - val_loss
       8.5107 - val_mean_absolute_error: 2.
     1948
2831 Epoch 1264/10000
2832 - Os - Loss: 11.9876 -
     mean_absolute_error: 2.4496 - val_loss
       8.5112 - val_mean_absolute_error: 2.
     1949
2833 Epoch 1265/10000
2834 - 0s - loss: 11.2446 -
     mean_absolute_error: 2.3795 - val_loss
       8.5104 - val_mean_absolute_error: 2.
     1948
2835 Epoch 1266/10000
2836 - Os - Loss: 11.2489 -
     mean_absolute_error: 2.4542 - val_loss
       8.5096 - val_mean_absolute_error: 2.
     1945
2837 Epoch 1267/10000
2838 - 0s - loss: 11.8328 -
     mean_absolute_error: 2.5329 - val_l<u>oss</u>
```

```
: 8.5088 - val_mean_absolute_error: 2.
2838
     1944
2839 Epoch 1268/10000
2840 - 0s - loss: 12.2834 -
     mean_absolute_error: 2.5066 - val_loss
       8.5085 - val_mean_absolute_error: 2.
     1942
2841 Epoch 1269/10000
2842 - 0s - loss: 11.4953 -
     mean_absolute_error: 2.3951 - val_loss
       8.5094 - val_mean_absolute_error: 2.
     1944
2843 Epoch 1270/10000
     - 0s - loss: 11.7155 -
2844 I
     mean_absolute_error: 2.5715 - val_loss
       8.5087 - val_mean_absolute_error: 2.
     1943
2845
2846 Epoch 01270: saving model to ./model/
     model_best.h5
2847 Epoch 1271/10000
2848 - Os - Loss: 10.3706 -
     mean_absolute_error: 2.4385 - val_loss
      8.5079 - val_mean_absolute_error: 2.
```

```
File - boston01
2848 1942
2849 Epoch 1272/10000
2850 - 0s - loss: 11.9710 -
     mean_absolute_error: 2.5310 - val_loss
       8.5078 - val_mean_absolute_error: 2.
     1942
2851 Epoch 1273/10000
2852 - 0s - loss: 10.4629 -
     mean_absolute_error: 2.3959 - val_loss
       8.5082 - val_mean_absolute_error: 2.
     1943
2853 Epoch 1274/10000
2854 - Os - Loss: 13.7763 -
     mean_absolute_error: 2.6942 - val_loss
       8.5088 - val_mean_absolute_error: 2.
     1944
2855 Epoch 1275/10000
2856 - 0s - loss: 10.6960 -
     mean_absolute_error: 2.3999 - val_loss
       8.5089 - val_mean_absolute_error: 2.
     1945
2857 Epoch 1276/10000
     - 0s - loss: 12.1087 -
2858
     mean_absolute_error: 2.4374 - val_loss
```

2866 - Os - Loss: 14.0944 - mean_absolute_error: 2.5609 - val_loss: 8.5079 - val_mean_absolute_error: 2.

2867

2868 Epoch 01280: saving model to ./model/

```
File - boston01
2868 model_best.h5
2869 Epoch 1281/10000
2870 - 0s - loss: 13.5236 -
     mean_absolute_error: 2.5870 - val_loss
       8.5069 - val_mean_absolute_error: 2.
     1943
2871 Epoch 1282/10000
2872 - 0s - Loss: 11.9645 -
     mean_absolute_error: 2.4272 - val_loss
       8.5075 - val_mean_absolute_error: 2.
     1944
2873 Epoch 1283/10000
2874 - 0s - loss: 10.8112 -
     mean_absolute_error: 2.4598 - val_loss
       8.5063 - val_mean_absolute_error: 2.
     1944
2875 Epoch 1284/10000
2876 - 0s - loss: 11.1286 -
     mean_absolute_error: 2.4835 - val_loss
       8.5058 - val_mean_absolute_error: 2.
     1946
2877 Epoch 1285/10000
     - 0s - loss: 11.4113 -
2878
     mean_absolute_error: 2.5170 - val_loss
```

```
8.5057 - val_mean_absolute_error: 2.
2878
     1946
2879 Epoch 1286/10000
     - 0s - loss: 11.2816 -
2880 l
     mean_absolute_error: 2.3890 - val_loss
       8.5058 - val_mean_absolute_error: 2.
     1947
2881 Epoch 1287/10000
     - 0s - loss: 11.7341 -
2882
     mean_absolute_error: 2.3975 - val_loss
       8.5053 - val_mean_absolute_error: 2.
     1946
2883 Epoch 1288/10000
     - 0s - loss: 11.5975 -
2884
     mean_absolute_error: 2.4112 - val_loss
       8.5058 - val_mean_absolute_error: 2.
     1944
2885 Epoch 1289/10000
     - 0s - loss: 10.8150 -
2886
     mean_absolute_error: 2.4196 - val_loss
       8.5057 - val_mean_absolute_error: 2.
     1944
2887 Epoch 1290/10000
2888 - Os - Loss: 11.3866 -
```

2893 Epoch 1292/10000

2894 - 0s - loss: 10.6361 - mean_absolute_error: 2.3368 - val_loss : 8.5061 - val_mean_absolute_error: 2.

2895 Epoch 1293/10000

2896 - Os - Loss: 11.5607 - mean_absolute_error: 2.3882 - val_loss : 8.5055 - val_mean_absolute_error: 2. 1944

2897 Epoch 1294/10000

2898 - Os - Loss: 11.1215 - mean_absolute_error: 2.4160 - val_loss

```
8.5060 - val_mean_absolute_error: 2.
2898
     1947
2899 Epoch 1295/10000
2900 - 0s - loss: 12.5298 -
     mean_absolute_error: 2.4412 - val_loss
       8.5062 - val_mean_absolute_error: 2.
     1948
2901 Epoch 1296/10000
     - 0s - loss: 9.7821 -
2902
     mean_absolute_error: 2.2848 - val_loss
       8.5062 - val_mean_absolute_error: 2.
     1947
2903 Epoch 1297/10000
     - 0s - loss: 12.8795 -
2904 l
     mean_absolute_error: 2.6093 - val_loss
       8.5052 - val_mean_absolute_error: 2.
     1946
2905 Epoch 1298/10000
2906 - 0s - loss: 10.9327 -
     mean_absolute_error: 2.3884 - val_loss
       8.5055 - val_mean_absolute_error: 2.
     1946
2907 Epoch 1299/10000
2908 - 0s - loss: 11.1665 -
```

```
2908 mean_absolute_error: 2.3887 - val_loss
       8.5068 - val_mean_absolute_error: 2.
     1950
2909 Epoch 1300/10000
2910 - 0s - loss: 8.7605 -
     mean_absolute_error: 2.2002 - val_loss
       8.5060 - val_mean_absolute_error: 2.
     1948
2911
2912 Epoch 01300: saving model to ./model/
     model_best.h5
2913 Epoch 1301/10000
2914 - 0s - loss: 11.9832 -
     mean_absolute_error: 2.5784 - val_loss
       8.5052 - val_mean_absolute_error: 2.
     1947
2915 Epoch 1302/10000
2916 - 0s - loss: 11.2329 -
     mean_absolute_error: 2.3612 - val_loss
       8.5060 - val_mean_absolute_error: 2.
     1948
2917 Epoch 1303/10000
2918 - 0s - loss: 10.4084 -
     mean_absolute_error: 2.3166 - val_loss
```

```
8.5070 - val_mean_absolute_error: 2.
2918
     1948
2919 Epoch 1304/10000
2920 - 0s - loss: 11.8504 -
     mean_absolute_error: 2.4590 - val_loss
      8.5074 - val_mean_absolute_error: 2.
     1948
2921 Epoch 1305/10000
     - 0s - loss: 11.2296 -
2922
     mean_absolute_error: 2.5214 - val_loss
       8.5085 - val_mean_absolute_error: 2.
     1949
2923 Epoch 1306/10000
     - 0s - loss: 10.4078 -
2924
     mean_absolute_error: 2.3988 - val_loss
       8.5085 - val_mean_absolute_error: 2.
     1948
2925 Epoch 1307/10000
2926 - 0s - loss: 12.7099 -
     mean_absolute_error: 2.5572 - val_loss
       8.5084 - val_mean_absolute_error: 2.
     1946
2927 Epoch 1308/10000
2928 - 0s - loss: 10.1582 -
```

```
2928 mean_absolute_error: 2.3114 - val_loss
       8.5083 - val_mean_absolute_error: 2.
     1945
2929 Epoch 1309/10000
2930 - 0s - loss: 12.9959 -
     mean_absolute_error: 2.6050 - val_loss
       8.5082 - val_mean_absolute_error: 2.
     1942
2931 Epoch 1310/10000
2932 - 0s - loss: 11.8834 -
     mean_absolute_error: 2.4634 - val_loss
       8.5082 - val_mean_absolute_error: 2.
     1941
2933
2934 Epoch 01310: saving model to ./model/
     model_best.h5
2935 Epoch 1311/10000
2936 - 0s - loss: 12.2782 -
     mean_absolute_error: 2.4837 - val_loss
       8.5085 - val_mean_absolute_error: 2.
     1940
2937 Epoch 1312/10000
    - 0s - loss: 13.4503 -
2938
     mean_absolute_error: 2.6301 - val_loss
```

```
8.5089 - val_mean_absolute_error: 2.
2938
     1940
2939 Epoch 1313/10000
     - 0s - loss: 9.8114 -
2940
     mean_absolute_error: 2.2425 - val_loss
       8.5093 - val_mean_absolute_error: 2.
     1942
2941 Epoch 1314/10000
     - 0s - loss: 10.8269 -
2942
     mean_absolute_error: 2.4300 - val_loss
       8.5088 - val_mean_absolute_error: 2.
     1942
2943 Epoch 1315/10000
     - 0s - loss: 10.6926 -
2944
     mean_absolute_error: 2.3627 - val_loss
       8.5083 - val_mean_absolute_error: 2.
     1941
2945 Epoch 1316/10000
2946 - 0s - loss: 11.8332 -
     mean_absolute_error: 2.4361 - val_loss
       8.5079 - val_mean_absolute_error: 2.
     1941
2947 Epoch 1317/10000
     - 0s - loss: 10.7534 -
2948 l
```

```
2948 mean_absolute_error: 2.3227 - val_loss
       8.5070 - val_mean_absolute_error: 2.
     1940
2949 Epoch 1318/10000
2950 - 0s - loss: 11.4106 -
     mean_absolute_error: 2.4371 - val_loss
       8.5074 - val_mean_absolute_error: 2.
     1939
2951 Epoch 1319/10000
2952 - 0s - loss: 10.1592 -
     mean_absolute_error: 2.3437 - val_loss
       8.5073 - val_mean_absolute_error: 2.
     1940
2953 Epoch 1320/10000
2954 - 0s - loss: 12.1381 -
     mean_absolute_error: 2.3861 - val_loss
      8.5064 - val_mean_absolute_error: 2.
     1939
2955
2956 Epoch 01320: saving model to ./model/
     model_best.h5
2957 Epoch 1321/10000
    - 0s - loss: 11.3392 -
2958
     mean_absolute_error: 2.4278 - val_loss
```

```
8.5061 - val_mean_absolute_error: 2.
2958
     1938
2959 Epoch 1322/10000
2960 - 0s - loss: 10.7365 -
     mean_absolute_error: 2.4429 - val_loss
       8.5062 - val_mean_absolute_error: 2.
     1938
2961 Epoch 1323/10000
2962
     - 0s - loss: 11.7898 -
     mean_absolute_error: 2.4651 - val_loss
       8.5062 - val_mean_absolute_error: 2.
     1937
2963 Epoch 1324/10000
     - 0s - loss: 11.4308 -
2964
     mean_absolute_error: 2.4392 - val_loss
       8.5067 - val_mean_absolute_error: 2.
     1938
2965 Epoch 1325/10000
     - 0s - loss: 10.6662 -
2966
     mean_absolute_error: 2.4050 - val_loss
       8.5073 - val_mean_absolute_error: 2.
     1939
2967 Epoch 1326/10000
2968 - 0s - loss: 12.0525 -
```

```
2968 mean_absolute_error: 2.5259 - val_loss
       8.5075 - val_mean_absolute_error: 2.
     1938
2969 Epoch 1327/10000
2970 - 0s - loss: 12.8318 -
     mean_absolute_error: 2.4792 - val_loss
       8.5066 - val_mean_absolute_error: 2.
     1937
2971 Epoch 1328/10000
2972 - 0s - loss: 10.0786 -
     mean_absolute_error: 2.4215 - val_loss
      8.5058 - val_mean_absolute_error: 2.
     1936
2973 Epoch 1329/10000
2974 - 0s - loss: 10.1625 -
     mean_absolute_error: 2.2908 - val_loss
       8.5062 - val_mean_absolute_error: 2.
     1937
2975 Epoch 1330/10000
    - 0s - loss: 11.7935 -
2976
     mean_absolute_error: 2.5167 - val_loss
       8.5062 - val_mean_absolute_error: 2.
     1939
2977
```

```
2978 Epoch 01330: saving model to ./model/
     model best.h5
2979 Epoch 1331/10000
2980 - Os - Loss: 12.3414 -
     mean_absolute_error: 2.5065 - val_loss
       8.5068 - val_mean_absolute_error: 2.
     1939
2981 Epoch 1332/10000
     - 0s - loss: 12.9936 -
2982 l
     mean_absolute_error: 2.5738 - val_loss
       8.5080 - val_mean_absolute_error: 2.
     1938
2983 Epoch 1333/10000
     - Os - Loss: 13.3454 -
2984
     mean_absolute_error: 2.5275 - val_loss
       8.5075 - val_mean_absolute_error: 2.
     1939
2985 Epoch 1334/10000
2986 - 0s - loss: 12.9128 -
     mean_absolute_error: 2.4847 - val_loss
       8.5080 - val_mean_absolute_error: 2.
     1938
2987 Epoch 1335/10000
2988 - Os - Loss: 13.6671 -
```

```
2988 mean_absolute_error: 2.5640 - val_loss
       8.5076 - val_mean_absolute_error: 2.
     1937
2989 Epoch 1336/10000
2990 - 0s - loss: 10.4602 -
     mean_absolute_error: 2.4032 - val_loss
       8.5071 - val_mean_absolute_error: 2.
     1935
2991 Epoch 1337/10000
2992 - 0s - loss: 12.8112 -
     mean_absolute_error: 2.5328 - val_loss
      8.5069 - val_mean_absolute_error: 2.
     1933
2993 Epoch 1338/10000
2994 - 0s - loss: 11.6455 -
     mean_absolute_error: 2.4374 - val_loss
       8.5079 - val_mean_absolute_error: 2.
     1933
2995 Epoch 1339/10000
    - 0s - loss: 11.4496 -
2996
     mean_absolute_error: 2.3665 - val_loss
       8.5072 - val_mean_absolute_error: 2.
     1933
2997 Epoch 1340/10000
```

: 8.5060 - val_mean_absolute_error: 2. 1930 3007 Epoch 1344/10000 3008 - 0s - loss: 11.0431 -

```
3008 mean_absolute_error: 2.3438 - val_loss
       8.5069 - val_mean_absolute_error: 2.
     1931
3009 Epoch 1345/10000
3010 - 0s - loss: 9.2444 -
     mean_absolute_error: 2.3246 - val_loss
       8.5064 - val_mean_absolute_error: 2.
     1931
3011 Epoch 1346/10000
3012 - 0s - loss: 11.7651 -
     mean_absolute_error: 2.4600 - val_loss
     : 8.5066 - val_mean_absolute_error: 2.
     1930
3013 Epoch 1347/10000
3014 - 0s - loss: 12.5191 -
     mean_absolute_error: 2.4546 - val_loss
       8.5068 - val_mean_absolute_error: 2.
     1931
3015 Epoch 1348/10000
3016 - 0s - loss: 12.9167 -
     mean_absolute_error: 2.6258 - val_loss
       8.5079 - val_mean_absolute_error: 2.
     1932
3017 Epoch 1349/10000
```

mean_absolute_error: 2.4794 - val_loss : 8.5070 - val_mean_absolute_error: 2.

3027 Epoch 1353/10000

3028 - Os - Loss: 9.6441 -

```
3028 mean_absolute_error: 2.2124 - val_loss
       8.5068 - val_mean_absolute_error: 2.
     1929
3029 Epoch 1354/10000
3030 - 0s - loss: 11.0290 -
     mean_absolute_error: 2.4036 - val_loss
       8.5079 - val_mean_absolute_error: 2.
     1930
3031 Epoch 1355/10000
3032 - 0s - loss: 11.9488 -
     mean_absolute_error: 2.4066 - val_loss
       8.5070 - val_mean_absolute_error: 2.
     1929
3033 Epoch 1356/10000
3034 - 0s - loss: 11.8036 -
     mean_absolute_error: 2.4971 - val_loss
       8.5074 - val_mean_absolute_error: 2.
     1930
3035 Epoch 1357/10000
    - 0s - loss: 10.9974 -
3036
     mean_absolute_error: 2.4154 - val_loss
       8.5083 - val_mean_absolute_error: 2.
     1932
3037 Epoch 1358/10000
```

1931 3047 Epoch 1362/10000 3048 - 0s - Loss: 13.4532 -

```
3048 mean_absolute_error: 2.5307 - val_loss
       8.5092 - val_mean_absolute_error: 2.
     1932
3049 Epoch 1363/10000
3050 - 0s - loss: 11.8247 -
     mean_absolute_error: 2.3844 - val_loss
       8.5098 - val_mean_absolute_error: 2.
     1933
3051 Epoch 1364/10000
3052 - 0s - loss: 10.5830 -
     mean_absolute_error: 2.3497 - val_loss
      8.5095 - val_mean_absolute_error: 2.
     1932
3053 Epoch 1365/10000
3054 - 0s - Loss: 11.9888 -
     mean_absolute_error: 2.4861 - val_loss
       8.5090 - val_mean_absolute_error: 2.
     1930
3055 Epoch 1366/10000
    - 0s - loss: 10.6614 -
3056
     mean_absolute_error: 2.4251 - val_loss
       8.5101 - val_mean_absolute_error: 2.
     1931
3057 Epoch 1367/10000
```

3065
3066 Epoch 01370: saving model to ./model/
model_best.h5
3067 Epoch 1371/10000
3068 - 0s - loss: 12.8236 -

```
3068 mean_absolute_error: 2.5322 - val_loss
       8.5106 - val_mean_absolute_error: 2.
     1935
3069 Epoch 1372/10000
3070 - 0s - loss: 12.8513 -
     mean_absolute_error: 2.5061 - val_loss
       8.5116 - val_mean_absolute_error: 2.
     1935
3071 Epoch 1373/10000
3072 - 0s - loss: 9.7613 -
     mean_absolute_error: 2.3667 - val_loss
      8.5110 - val_mean_absolute_error: 2.
     1934
3073 Epoch 1374/10000
3074 - 0s - loss: 13.5923 -
     mean_absolute_error: 2.5186 - val_loss
       8.5104 - val_mean_absolute_error: 2.
     1935
3075 Epoch 1375/10000
3076 - 0s - loss: 11.8745 -
     mean_absolute_error: 2.4720 - val_loss
       8.5115 - val_mean_absolute_error: 2.
     1937
3077 Epoch 1376/10000
```

```
- 0s - loss: 10.9396 -
```

```
mean_absolute_error: 2.4682 - val_loss
```

: 8.5124 - val_mean_absolute_error: 2.

1939

3079 Epoch 1377/10000

3080 - 0s - loss: 11.1351 -

mean_absolute_error: 2.3751 - val_loss

: 8.5133 - val_mean_absolute_error: 2.

1940

3081 Epoch 1378/10000

3082 - 0s - loss: 10.1100 -

mean_absolute_error: 2.3264 - val_loss

: 8.5141 - val_mean_absolute_error: 2.

1941

3083 Epoch 1379/10000

3084 - 0s - loss: 10.6757 -

mean_absolute_error: 2.3765 - val_loss

: 8.5138 - val_mean_absolute_error: 2.

1942

3085 Epoch 1380/10000

3086 - 0s - loss: 13.6932 -

mean_absolute_error: 2.5059 - val_loss

8.5140 - val_mean_absolute_error: 2.

1944

```
3087
    Epoch 01380: saving model to ./model/
3088
     model_best.h5
3089 Epoch 1381/10000
3090 - 0s - loss: 11.9732 -
     mean_absolute_error: 2.3864 - val_loss
       8.5133 - val_mean_absolute_error: 2.
     1943
3091 Epoch 1382/10000
3092 - 0s - loss: 12.7888 -
     mean_absolute_error: 2.6400 - val_loss
       8.5135 - val_mean_absolute_error: 2.
     1944
3093 Epoch 1383/10000
3094 - 0s - loss: 11.3178 -
     mean_absolute_error: 2.4634 - val_loss
       8.5125 - val_mean_absolute_error: 2.
     1943
3095 Epoch 1384/10000
    - 0s - loss: 10.8575 -
3096
     mean_absolute_error: 2.3129 - val_loss
       8.5120 - val_mean_absolute_error: 2.
     1943
3097 Epoch 1385/10000
```

3105 Epoch 1389/10000
3106 - Os - Loss: 12.5847 mean_absolute_error: 2.5273 - val_loss
: 8.5123 - val_mean_absolute_error: 2.
1952

```
- 0s - loss: 10.3684 -
3118
     mean_absolute_error: 2.3353 - val_loss
       8.5127 - val_mean_absolute_error: 2.
     1954
3119 Epoch 1395/10000
3120 - 0s - loss: 13.1602 -
     mean_absolute_error: 2.5468 - val_loss
       8.5130 - val_mean_absolute_error: 2.
     1952
3121 Epoch 1396/10000
3122 - 0s - loss: 11.6295 -
     mean_absolute_error: 2.5018 - val_loss
     : 8.5130 - val_mean_absolute_error: 2.
     1952
3123 Epoch 1397/10000
3124 - 0s - loss: 11.2065 -
     mean_absolute_error: 2.4315 - val_loss
       8.5137 - val_mean_absolute_error: 2.
     1952
3125 Epoch 1398/10000
3126 - 0s - loss: 12.2653 -
     mean_absolute_error: 2.5597 - val_loss
     : 8.5140 - val_mean_absolute_error: 2.
     1953
```

```
File - boston01
3127 Epoch 1399/10000
      - 0s - loss: 11.0780 -
3128
     mean_absolute_error: 2.4002 - val_loss
       8.5139 - val_mean_absolute_error: 2.
     1953
3129 Epoch 1400/10000
3130 - 0s - loss: 11.0783 -
     mean_absolute_error: 2.4831 - val_loss
       8.5136 - val_mean_absolute_error: 2.
     1952
3131
3132 Epoch 01400: saving model to ./model/
     model_best.h5
3133 Epoch 1401/10000
3134 - 0s - loss: 11.0859 -
     mean_absolute_error: 2.5057 - val_loss
       8.5119 - val_mean_absolute_error: 2.
     1950
3135 Epoch 1402/10000
3136 - 0s - loss: 12.4765 -
     mean_absolute_error: 2.5589 - val_loss
       8.5113 - val_mean_absolute_error: 2.
     1949
3137 Epoch 1403/10000
```

```
- 0s - loss: 10.9577 -
3138
     mean_absolute_error: 2.4054 - val_loss
       8.5122 - val_mean_absolute_error: 2.
     1950
3139 Epoch 1404/10000
3140 - 0s - loss: 9.8950 -
     mean_absolute_error: 2.2629 - val_loss
       8.5117 - val_mean_absolute_error: 2.
     1947
3141 Epoch 1405/10000
3142 - Os - Loss: 13.1353 -
     mean_absolute_error: 2.5522 - val_loss
     : 8.5110 - val_mean_absolute_error: 2.
     1948
3143 Epoch 1406/10000
3144 - 0s - loss: 12.1277 -
     mean_absolute_error: 2.5302 - val_loss
       8.5105 - val_mean_absolute_error: 2.
     1947
3145 Epoch 1407/10000
3146 - Os - Loss: 14.6575 -
     mean_absolute_error: 2.5922 - val_loss
     : 8.5112 - val_mean_absolute_error: 2.
     1947
```

```
File - boston01
3147 Epoch 1408/10000
      - 0s - loss: 10.2972 -
3148
     mean_absolute_error: 2.2889 - val_loss
       8.5101 - val_mean_absolute_error: 2.
     1947
3149 Epoch 1409/10000
3150 - 0s - loss: 11.0813 -
     mean_absolute_error: 2.4079 - val_loss
       8.5102 - val_mean_absolute_error: 2.
     1946
3151 Epoch 1410/10000
3152 - 0s - loss: 11.2024 -
     mean_absolute_error: 2.3583 - val_loss
       8.5096 - val_mean_absolute_error: 2.
     1944
3153
3154 Epoch 01410: saving model to ./model/
     model_best.h5
3155 Epoch 1411/10000
3156 - 0s - loss: 12.8277 -
     mean_absolute_error: 2.5592 - val_loss
       8.5095 - val_mean_absolute_error: 2.
     1942
3157 Epoch 1412/10000
```

```
- 0s - loss: 11.9164 -
3158
     mean_absolute_error: 2.3234 - val_loss
       8.5100 - val_mean_absolute_error: 2.
     1942
3159 Epoch 1413/10000
3160 - 0s - loss: 11.0896 -
     mean_absolute_error: 2.4184 - val_loss
       8.5093 - val_mean_absolute_error: 2.
     1942
3161 Epoch 1414/10000
3162 - 0s - loss: 10.0662 -
     mean_absolute_error: 2.2971 - val_loss
      8.5095 - val_mean_absolute_error: 2.
     1942
3163 Epoch 1415/10000
3164 - 0s - loss: 11.8046 -
     mean_absolute_error: 2.4879 - val_loss
       8.5079 - val_mean_absolute_error: 2.
     1941
3165 Epoch 1416/10000
     - 0s - loss: 11.2551 -
3166
     mean_absolute_error: 2.5058 - val_loss
     : 8.5084 - val_mean_absolute_error: 2.
     1941
```

```
- 0s - loss: 8.0281 -
3178
     mean_absolute_error: 2.1314 - val_loss
       8.5090 - val_mean_absolute_error: 2.
     1947
3179 Epoch 1422/10000
3180 - 0s - loss: 11.9144 -
     mean_absolute_error: 2.4763 - val_loss
       8.5089 - val_mean_absolute_error: 2.
     1946
3181 Epoch 1423/10000
3182 - 0s - loss: 12.1801 -
     mean_absolute_error: 2.5263 - val_loss
      8.5094 - val_mean_absolute_error: 2.
     1946
3183 Epoch 1424/10000
3184 - 0s - loss: 12.1927 -
     mean_absolute_error: 2.3753 - val_loss
       8.5089 - val_mean_absolute_error: 2.
     1947
3185 Epoch 1425/10000
     - 0s - loss: 10.7993 -
3186
     mean_absolute_error: 2.3716 - val_loss
       8.5098 - val_mean_absolute_error: 2.
     1948
```

```
File - boston01
3196 1944
3197
3198 Epoch 01430: saving model to ./model/
     model_best.h5
3199 Epoch 1431/10000
3200 - 0s - loss: 11.4347 -
     mean_absolute_error: 2.4520 - val_loss
       8.5111 - val_mean_absolute_error: 2.
     1943
3201 Epoch 1432/10000
3202 - 0s - loss: 10.7622 -
     mean_absolute_error: 2.4211 - val_loss
       8.5104 - val_mean_absolute_error: 2.
     1943
3203 Epoch 1433/10000
3204 - 0s - loss: 9.0883 -
     mean_absolute_error: 2.2094 - val_loss
       8.5110 - val_mean_absolute_error: 2.
     1944
3205 Epoch 1434/10000
      - Os - Loss: 11.1324 -
3206
     mean_absolute_error: 2.4279 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1944
```

8.5117 - val_mean_absolute_error: 2.

```
File - boston01
3216 1942
3217 Epoch 1440/10000
3218 - 0s - loss: 10.4327 -
     mean_absolute_error: 2.3579 - val_loss
       8.5111 - val_mean_absolute_error: 2.
     1942
3219
3220 Epoch 01440: saving model to ./model/
     model_best.h5
3221 Epoch 1441/10000
3222 - Os - Loss: 12.8936 -
     mean_absolute_error: 2.5124 - val_loss
     : 8.5114 - val_mean_absolute_error: 2.
     1940
3223 Epoch 1442/10000
3224 - 0s - loss: 11.0012 -
     mean_absolute_error: 2.4470 - val loss
       8.5114 - val_mean_absolute_error: 2.
     1941
3225 Epoch 1443/10000
3226 - 0s - loss: 10.0509 -
     mean_absolute_error: 2.3668 - val_loss
     : 8.5123 - val_mean_absolute_error: 2.
     1943
```

```
File - boston01
3236 1948
3237 Epoch 1449/10000
3238 - Os - Loss: 11.5529 -
     mean_absolute_error: 2.5094 - val_loss
       8.5125 - val_mean_absolute_error: 2.
     1948
3239 Epoch 1450/10000
3240 - 0s - loss: 12.0888 -
     mean_absolute_error: 2.3968 - val_loss
     : 8.5122 - val_mean_absolute_error: 2.
     1948
3241
3242 Epoch 01450: saving model to ./model/
     model_best.h5
3243 Epoch 1451/10000
3244 - 0s - loss: 11.3792 -
     mean_absolute_error: 2.3562 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1948
3245 Epoch 1452/10000
      - 0s - loss: 9.5467 -
3246
     mean_absolute_error: 2.2492 - val_loss
     : 8.5121 - val_mean_absolute_error: 2.
     1951
```

```
File - boston01
3256 1952
3257 Epoch 1458/10000
3258 - 0s - loss: 10.1073 -
     mean_absolute_error: 2.3514 - val_loss
       8.5142 - val_mean_absolute_error: 2.
     1952
3259 Epoch 1459/10000
3260 - 0s - loss: 13.8681 -
     mean_absolute_error: 2.5603 - val_loss
       8.5145 - val_mean_absolute_error: 2.
     1952
3261 Epoch 1460/10000
3262 - 0s - loss: 11.3569 -
     mean_absolute_error: 2.4257 - val_loss
       8.5142 - val_mean_absolute_error: 2.
     1953
3263
3264 Epoch 01460: saving model to ./model/
     model_best.h5
3265 Epoch 1461/10000
      - 0s - loss: 11.6084 -
3266
     mean_absolute_error: 2.4241 - val_loss
       8.5155 - val_mean_absolute_error: 2.
     1954
```

8.5169 - val_mean_absolute_error: 2.

```
File - boston01
3276 1951
3277 Epoch 1467/10000
3278 - 0s - loss: 14.6430 -
     mean_absolute_error: 2.6369 - val_loss
       8.5160 - val_mean_absolute_error: 2.
     1950
3279 Epoch 1468/10000
3280 - Os - Loss: 10.8838 -
     mean_absolute_error: 2.4580 - val_loss
       8.5167 - val_mean_absolute_error: 2.
     1949
3281 Epoch 1469/10000
3282 - 0s - loss: 11.7250 -
     mean_absolute_error: 2.4629 - val_loss
       8.5169 - val_mean_absolute_error: 2.
     1950
3283 Epoch 1470/10000
3284 - 0s - Loss: 12.1785 -
     mean_absolute_error: 2.5496 - val_loss
     : 8.5168 - val_mean_absolute_error: 2.
     1950
3285
     Epoch 01470: saving model to ./model/
3286
     model_best.h5
```

```
File - boston01
3296 1948
3297 Epoch 1476/10000
3298 - 0s - Loss: 11.4003 -
     mean_absolute_error: 2.2903 - val_loss
       8.5155 - val_mean_absolute_error: 2.
     1949
3299 Epoch 1477/10000
3300 - Os - Loss: 11.1557 -
     mean_absolute_error: 2.4677 - val_loss
       8.5151 - val_mean_absolute_error: 2.
     1949
3301 Epoch 1478/10000
3302 - Os - loss: 11.1179 -
     mean_absolute_error: 2.4675 - val_loss
       8.5146 - val_mean_absolute_error: 2.
     1948
3303 Epoch 1479/10000
3304 - 0s - loss: 11.1958 -
     mean_absolute_error: 2.4375 - val_loss
       8.5150 - val_mean_absolute_error: 2.
     1948
3305 Epoch 1480/10000
3306 - Os - Loss: 9.3493 -
     mean_absolute_error: 2.2232 - val_l<u>oss</u>
```

```
: 8.5155 - val_mean_absolute_error: 2.
3306
     1950
3307
3308 Epoch 01480: saving model to ./model/
     model_best.h5
3309 Epoch 1481/10000
3310 - 0s - loss: 12.2736 -
     mean_absolute_error: 2.4747 - val_loss
      8.5153 - val_mean_absolute_error: 2.
     1948
3311 Epoch 1482/10000
3312 - 0s - loss: 12.3850 -
     mean_absolute_error: 2.4439 - val_loss
       8.5150 - val_mean_absolute_error: 2.
     1947
3313 Epoch 1483/10000
3314 - Os - Loss: 11.7384 -
     mean_absolute_error: 2.5311 - val_loss
      8.5155 - val_mean_absolute_error: 2.
     1948
3315 Epoch 1484/10000
3316 - 0s - Loss: 12.9243 -
     mean_absolute_error: 2.5252 - val_loss
     8.5155 - val_mean_absolute_error: 2.
```

```
File - boston01
3316 1947
3317 Epoch 1485/10000
3318 - 0s - loss: 10.3047 -
     mean_absolute_error: 2.3069 - val_loss
       8.5163 - val_mean_absolute_error: 2.
     1950
3319 Epoch 1486/10000
3320 - 0s - Loss: 11.7191 -
     mean_absolute_error: 2.4791 - val_loss
       8.5165 - val_mean_absolute_error: 2.
     1950
3321 Epoch 1487/10000
3322 - 0s - loss: 11.0062 -
     mean_absolute_error: 2.4165 - val_loss
       8.5156 - val_mean_absolute_error: 2.
     1948
3323 Epoch 1488/10000
3324 - 0s - loss: 10.4768 -
     mean_absolute_error: 2.3693 - val_loss
       8.5167 - val_mean_absolute_error: 2.
     1949
3325 Epoch 1489/10000
3326 - 0s - loss: 13.2108 -
     mean_absolute_error: 2.5194 - val_l<u>oss</u>
```

```
8.5170 - val_mean_absolute_error: 2.
3326
     1949
3327 Epoch 1490/10000
     - 0s - loss: 12.3031 -
3328
     mean_absolute_error: 2.5708 - val_loss
     : 8.5173 - val_mean_absolute_error: 2.
     1950
3329
3330 Epoch 01490: saving model to ./model/
     model_best.h5
3331 Epoch 1491/10000
3332 - 0s - loss: 11.3973 -
     mean_absolute_error: 2.5188 - val_loss
       8.5178 - val_mean_absolute_error: 2.
     1951
3333 Epoch 1492/10000
3334 - 0s - loss: 10.7090 -
     mean_absolute_error: 2.3895 - val_loss
      8.5173 - val_mean_absolute_error: 2.
     1949
3335 Epoch 1493/10000
3336 - 0s - loss: 10.8312 -
     mean_absolute_error: 2.3794 - val_loss
     8.5169 - val_mean_absolute_error: 2.
```

```
File - boston01
3336 1949
3337 Epoch 1494/10000
3338 - 0s - loss: 12.1630 -
     mean_absolute_error: 2.5025 - val_loss
       8.5167 - val_mean_absolute_error: 2.
     1949
3339 Epoch 1495/10000
3340 - 0s - loss: 11.8930 -
     mean_absolute_error: 2.4595 - val_loss
       8.5160 - val_mean_absolute_error: 2.
     1950
3341 Epoch 1496/10000
3342 - 0s - loss: 8.3432 -
     mean_absolute_error: 2.2021 - val_loss
       8.5162 - val_mean_absolute_error: 2.
     1950
3343 Epoch 1497/10000
3344 - Os - Loss: 10.3438 -
     mean_absolute_error: 2.4438 - val_loss
       8.5174 - val_mean_absolute_error: 2.
     1951
3345 Epoch 1498/10000
3346 - 0s - loss: 9.9406 -
     mean_absolute_error: 2.2023 - val_l<u>oss</u>
```

```
8.5175 - val_mean_absolute_error: 2.
3346
     1952
3347 Epoch 1499/10000
     - Os - loss: 13.3734 -
3348
     mean_absolute_error: 2.5863 - val_loss
      8.5169 - val_mean_absolute_error: 2.
     1952
3349 Epoch 1500/10000
3350
     - 0s - loss: 13.7459 -
     mean_absolute_error: 2.5193 - val_loss
       8.5173 - val_mean_absolute_error: 2.
     1952
3351
    Epoch 01500: saving model to ./model/
3352
     model_best.h5
3353 Epoch 1501/10000
     - 0s - loss: 10.5310 -
3354
     mean_absolute_error: 2.3403 - val_loss
     : 8.5169 - val_mean_absolute_error: 2.
     1952
3355 Epoch 1502/10000
3356 - 0s - loss: 9.0795
     mean_absolute_error: 2.2705 - val_loss
      8.5171 - val_mean_absolute_error: 2.
```

```
File - boston01
3356 1953
3357 Epoch 1503/10000
3358 - 0s - loss: 9.0642
     mean_absolute_error: 2.1730 - val_loss
       8.5168 - val_mean_absolute_error: 2.
     1953
3359 Epoch 1504/10000
3360 - 0s - loss: 10.3840 -
     mean_absolute_error: 2.3574 - val_loss
       8.5173 - val_mean_absolute_error: 2.
     1953
3361 Epoch 1505/10000
3362 - 0s - loss: 11.4338 -
     mean_absolute_error: 2.4767 - val_loss
       8.5186 - val_mean_absolute_error: 2.
     1955
3363 Epoch 1506/10000
3364 - 0s - loss: 14.8649 -
     mean_absolute_error: 2.6559 - val_loss
       8.5184 - val_mean_absolute_error: 2.
     1956
3365 Epoch 1507/10000
     - 0s - loss: 9.8515 -
3366
     mean_absolute_error: 2.2716 - val_loss
```

```
3366 : 8.5181 - val_mean_absolute_error: 2.
     1956
3367 Epoch 1508/10000
     - 0s - loss: 12.4574 -
3368
     mean_absolute_error: 2.4214 - val_loss
      8.5184 - val_mean_absolute_error: 2.
     1956
3369 Epoch 1509/10000
3370
     - 0s - loss: 10.4990 -
     mean_absolute_error: 2.3177 - val_loss
       8.5186 - val_mean_absolute_error: 2.
     1956
3371 Epoch 1510/10000
3372 - Os - Loss: 12.5781 -
     mean_absolute_error: 2.6216 - val_loss
       8.5180 - val_mean_absolute_error: 2.
     1955
3373
3374 Epoch 01510: saving model to ./model/
     model_best.h5
3375 Epoch 1511/10000
3376 - 0s - loss: 9.3154
     mean_absolute_error: 2.1903 - val_loss
      8.5173 - val_mean_absolute_error: 2.
```

```
File - boston01
3376 1953
3377 Epoch 1512/10000
3378 - 0s - loss: 13.6122 -
     mean_absolute_error: 2.6359 - val_loss
       8.5173 - val_mean_absolute_error: 2.
     1953
3379 Epoch 1513/10000
3380 - 0s - loss: 12.8570 -
     mean_absolute_error: 2.5855 - val_loss
       8.5166 - val_mean_absolute_error: 2.
     1953
3381 Epoch 1514/10000
3382 - 0s - loss: 10.2649 -
     mean_absolute_error: 2.4127 - val_loss
       8.5164 - val_mean_absolute_error: 2.
     1952
3383 Epoch 1515/10000
3384 - Os - Loss: 14.5613 -
     mean_absolute_error: 2.5127 - val_loss
       8.5157 - val_mean_absolute_error: 2.
     1951
3385 Epoch 1516/10000
3386 - 0s - loss: 10.6517 -
     mean_absolute_error: 2.3195 - val_loss
```

```
: 8.5157 - val_mean_absolute_error: 2.
```

3387 Epoch 1517/10000

3388 - Os - Loss: 10.7047 - mean_absolute_error: 2.3728 - val_loss : 8.5149 - val_mean_absolute_error: 2. 1951

3389 Epoch 1518/10000

3390 - Os - Loss: 12.9452 - mean_absolute_error: 2.4658 - val_loss : 8.5147 - val_mean_absolute_error: 2. 1950

3391 Epoch 1519/10000

3392 - Os - Loss: 12.4019 - mean_absolute_error: 2.3863 - val_loss : 8.5146 - val_mean_absolute_error: 2.

3393 Epoch 1520/10000

3394 - Os - Loss: 12.0046 - mean_absolute_error: 2.4461 - val_loss : 8.5138 - val_mean_absolute_error: 2. 1951

3395

3396 Epoch 01520: saving model to ./model/

```
File - boston01
3396 model_best.h5
3397 Epoch 1521/10000
3398 - Os - Loss: 11.5299 -
     mean_absolute_error: 2.5385 - val_loss
       8.5138 - val_mean_absolute_error: 2.
     1952
3399 Epoch 1522/10000
3400 - Os - Loss: 11.5845 -
     mean_absolute_error: 2.4107 - val_loss
       8.5128 - val_mean_absolute_error: 2.
     1950
3401 Epoch 1523/10000
3402 - 0s - loss: 13.0978 -
     mean_absolute_error: 2.4991 - val_loss
       8.5120 - val_mean_absolute_error: 2.
     1950
3403 Epoch 1524/10000
3404 - 0s - loss: 10.2316 -
     mean_absolute_error: 2.3956 - val_loss
       8.5130 - val_mean_absolute_error: 2.
     1953
3405 Epoch 1525/10000
3406 - 0s - loss: 9.2376 -
     mean_absolute_error: 2.2730 - val_loss
```

```
8.5138 - val_mean_absolute_error: 2.
3406
     1952
3407 Epoch 1526/10000
3408 - 0s - loss: 10.3277 -
     mean_absolute_error: 2.2581 - val_loss
      8.5141 - val_mean_absolute_error: 2.
     1953
3409 Epoch 1527/10000
3410 - 0s - loss: 13.0107 -
     mean_absolute_error: 2.6108 - val_loss
       8.5138 - val_mean_absolute_error: 2.
     1954
3411 Epoch 1528/10000
     - 0s - loss: 10.6522 -
3412
     mean_absolute_error: 2.4193 - val_loss
       8.5134 - val_mean_absolute_error: 2.
     1954
3413 Epoch 1529/10000
3414 - 0s - loss: 11.3482 -
     mean_absolute_error: 2.3802 - val_loss
       8.5127 - val_mean_absolute_error: 2.
     1953
3415 Epoch 1530/10000
3416 - 0s - loss: 11.3918 -
```

```
3416 mean_absolute_error: 2.3548 - val_loss
       8.5122 - val_mean_absolute_error: 2.
     1952
3417
3418 Epoch 01530: saving model to ./model/
     model_best.h5
3419 Epoch 1531/10000
3420 - 0s - loss: 9.5564 -
     mean_absolute_error: 2.2307 - val_loss
      8.5128 - val_mean_absolute_error: 2.
     1952
3421 Epoch 1532/10000
3422 - 0s - loss: 10.2001 -
     mean_absolute_error: 2.3359 - val_loss
       8.5129 - val_mean_absolute_error: 2.
     1951
3423 Epoch 1533/10000
3424 - 0s - loss: 10.7549 -
     mean_absolute_error: 2.3964 - val_loss
      8.5124 - val_mean_absolute_error: 2.
     1950
3425 Epoch 1534/10000
3426 - 0s - loss: 11.3956 -
     mean_absolute_error: 2.4741 - val_loss
```

```
: 8.5129 - val_mean_absolute_error: 2.
3426
     1951
3427 Epoch 1535/10000
     - 0s - loss: 10.1330 -
3428
     mean_absolute_error: 2.3546 - val_loss
      8.5127 - val_mean_absolute_error: 2.
     1951
3429 Epoch 1536/10000
3430
     - 0s - loss: 9.7680 -
     mean_absolute_error: 2.2758 - val_loss
       8.5128 - val_mean_absolute_error: 2.
     1952
3431 Epoch 1537/10000
     - 0s - loss: 10.7217 -
3432
     mean_absolute_error: 2.2471 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1951
3433 Epoch 1538/10000
3434 - 0s - loss: 10.3746 -
     mean_absolute_error: 2.3251 - val_loss
       8.5132 - val_mean_absolute_error: 2.
     1951
3435 Epoch 1539/10000
3436 - 0s - loss: 11.2126 -
```

```
3436 mean_absolute_error: 2.2892 - val_loss
       8.5133 - val_mean_absolute_error: 2.
     1950
3437 Epoch 1540/10000
3438 - 0s - loss: 12.9405 -
     mean_absolute_error: 2.6396 - val_loss
     : 8.5127 - val_mean_absolute_error: 2.
     1950
3439
3440 Epoch 01540: saving model to ./model/
     model_best.h5
3441 Epoch 1541/10000
3442 - 0s - loss: 12.4005 -
     mean_absolute_error: 2.5776 - val_loss
       8.5130 - val_mean_absolute_error: 2.
     1952
3443 Epoch 1542/10000
3444 - 0s - Ioss: 11.8047 -
     mean_absolute_error: 2.4238 - val_loss
      8.5132 - val_mean_absolute_error: 2.
     1952
3445 Epoch 1543/10000
3446 - 0s - loss: 11.8788 -
     mean_absolute_error: 2.5112 - val_loss
```

```
8.5138 - val_mean_absolute_error: 2.
3446
     1953
3447 Epoch 1544/10000
     - 0s - loss: 9.5015 -
3448
     mean_absolute_error: 2.2678 - val_loss
      8.5132 - val_mean_absolute_error: 2.
     1951
3449 Epoch 1545/10000
3450
     - 0s - loss: 12.5979 -
     mean_absolute_error: 2.6039 - val_loss
       8.5131 - val_mean_absolute_error: 2.
     1950
3451 Epoch 1546/10000
     - 0s - loss: 9.0293 -
3452
     mean_absolute_error: 2.2115 - val_loss
      8.5126 - val_mean_absolute_error: 2.
     1951
3453 Epoch 1547/10000
     - 0s - loss: 9.1197 -
3454
     mean_absolute_error: 2.1338 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1952
3455 Epoch 1548/10000
3456 - 0s - loss: 12.8034
```

```
3456 mean_absolute_error: 2.5605 - val_loss
       8.5131 - val_mean_absolute_error: 2.
     1954
3457 Epoch 1549/10000
3458 - 0s - loss: 12.6614 -
     mean_absolute_error: 2.4300 - val_loss
       8.5147 - val_mean_absolute_error: 2.
     1955
3459 Epoch 1550/10000
3460 - 0s - loss: 13.2391 -
     mean_absolute_error: 2.5578 - val_loss
      8.5154 - val_mean_absolute_error: 2.
     1955
3461
3462 Epoch 01550: saving model to ./model/
     model_best.h5
3463 Epoch 1551/10000
3464 - Os - Loss: 11.4497 -
     mean_absolute_error: 2.3424 - val_loss
      8.5150 - val_mean_absolute_error: 2.
     1954
3465 Epoch 1552/10000
3466 - 0s - loss: 10.6433 -
     mean_absolute_error: 2.3958 - val_loss
```

```
8.5153 - val_mean_absolute_error: 2.
3466
     1952
3467 Epoch 1553/10000
     - 0s - loss: 11.2709 -
3468
     mean_absolute_error: 2.4591 - val_loss
      8.5158 - val_mean_absolute_error: 2.
     1954
3469 Epoch 1554/10000
3470
     - 0s - loss: 11.8044 -
     mean_absolute_error: 2.5275 - val_loss
       8.5155 - val_mean_absolute_error: 2.
     1954
3471 Epoch 1555/10000
     - 0s - loss: 10.6470 -
3472
     mean_absolute_error: 2.3557 - val_loss
       8.5144 - val_mean_absolute_error: 2.
     1956
3473 Epoch 1556/10000
3474 - 0s - loss: 10.4683 -
     mean_absolute_error: 2.4182 - val_loss
       8.5145 - val_mean_absolute_error: 2.
     1957
3475 Epoch 1557/10000
3476 - 0s - loss: 13.8738 -
```

```
3476 mean_absolute_error: 2.4507 - val_loss
       8.5131 - val_mean_absolute_error: 2.
     1957
3477 Epoch 1558/10000
3478 - 0s - loss: 10.7928 -
     mean_absolute_error: 2.4941 - val_loss
       8.5126 - val_mean_absolute_error: 2.
     1955
3479 Epoch 1559/10000
3480 - 0s - loss: 10.8070 -
     mean_absolute_error: 2.3773 - val_loss
     : 8.5125 - val_mean_absolute_error: 2.
     1956
3481 Epoch 1560/10000
3482 - 0s - loss: 12.1991 -
     mean_absolute_error: 2.5218 - val_loss
     : 8.5112 - val_mean_absolute_error: 2.
     1957
3483
    Epoch 01560: saving model to ./model/
3484
     model_best.h5
3485 Epoch 1561/10000
3486 - 0s - loss: 10.2927 -
     mean_absolute_error: 2.3002 - val_loss
```

```
8.5121 - val_mean_absolute_error: 2.
3486
     1958
3487 Epoch 1562/10000
     - 0s - loss: 10.1401 -
3488
     mean_absolute_error: 2.2881 - val_loss
      8.5112 - val_mean_absolute_error: 2.
     1957
3489 Epoch 1563/10000
3490
     - 0s - loss: 11.5606 -
     mean_absolute_error: 2.4119 - val_loss
       8.5117 - val_mean_absolute_error: 2.
     1957
3491 Epoch 1564/10000
     - 0s - loss: 11.2777 -
3492
     mean_absolute_error: 2.3274 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1960
3493 Epoch 1565/10000
3494 - 0s - loss: 11.5677 -
     mean_absolute_error: 2.4769 - val_loss
       8.5122 - val_mean_absolute_error: 2.
     1960
3495 Epoch 1566/10000
     - Os - Loss: 11.7245 -
3496
```

```
3496 mean_absolute_error: 2.4401 - val_loss
       8.5126 - val_mean_absolute_error: 2.
     1960
3497 Epoch 1567/10000
3498 - 0s - loss: 13.4166 -
     mean_absolute_error: 2.5994 - val_loss
       8.5119 - val_mean_absolute_error: 2.
     1956
3499 Epoch 1568/10000
3500 - 0s - loss: 10.6755 -
     mean_absolute_error: 2.3219 - val_loss
     : 8.5122 - val_mean_absolute_error: 2.
     1959
3501 Epoch 1569/10000
3502 - 0s - loss: 13.0627 -
     mean_absolute_error: 2.6600 - val_loss
       8.5117 - val_mean_absolute_error: 2.
     1957
3503 Epoch 1570/10000
    - 0s - loss: 12.5097 -
3504
     mean_absolute_error: 2.5026 - val_loss
       8.5112 - val_mean_absolute_error: 2.
     1957
3505
```

```
3506 Epoch 01570: saving model to ./model/
     model best.h5
3507 Epoch 1571/10000
3508 - 0s - loss: 10.6903 -
     mean_absolute_error: 2.3847 - val_loss
     : 8.5110 - val_mean_absolute_error: 2.
     1958
3509 Epoch 1572/10000
3510 - 0s - loss: 12.1788 -
     mean_absolute_error: 2.4652 - val_loss
       8.5114 - val_mean_absolute_error: 2.
     1958
3511 Epoch 1573/10000
     - 0s - I<u>oss: 10.1940 -</u>
3512 l
     mean_absolute_error: 2.3110 - val_loss
       8.5114 - val_mean_absolute_error: 2.
     1957
3513 Epoch 1574/10000
3514 - 0s - loss: 9.9943 -
     mean_absolute_error: 2.2655 - val_loss
       8.5112 - val_mean_absolute_error: 2.
     1956
3515 Epoch 1575/10000
3516 - 0s - loss: 11.1819 -
```

```
3516 mean_absolute_error: 2.4813 - val_loss
       8.5105 - val_mean_absolute_error: 2.
     1956
3517 Epoch 1576/10000
3518 - 0s - loss: 9.6232 -
     mean_absolute_error: 2.3451 - val_loss
       8.5106 - val_mean_absolute_error: 2.
     1956
3519 Epoch 1577/10000
3520 - Os - Loss: 11.3153 -
     mean_absolute_error: 2.3836 - val_loss
     : 8.5107 - val_mean_absolute_error: 2.
     1958
3521 Epoch 1578/10000
3522 - 0s - loss: 10.8311 -
     mean_absolute_error: 2.4118 - val_loss
      8.5103 - val_mean_absolute_error: 2.
     1957
3523 Epoch 1579/10000
3524 - Os - Loss: 10.7886 -
     mean_absolute_error: 2.4323 - val_loss
       8.5099 - val_mean_absolute_error: 2.
     1956
3525 Epoch 1580/10000
```

3534 - Os - Loss: 11.2753 - mean_absolute_error: 2.4630 - val_loss: 8.5102 - val_mean_absolute_error: 2.

3535 Epoch 1584/10000

3536 - Os - Loss: 13.2112 -

```
3536 mean_absolute_error: 2.4659 - val_loss
       8.5098 - val_mean_absolute_error: 2.
     1954
3537 Epoch 1585/10000
3538 - 0s - loss: 10.0457 -
     mean_absolute_error: 2.3261 - val_loss
       8.5104 - val_mean_absolute_error: 2.
     1955
3539 Epoch 1586/10000
3540 - 0s - loss: 10.8065 -
     mean_absolute_error: 2.3154 - val_loss
      8.5097 - val_mean_absolute_error: 2.
     1954
3541 Epoch 1587/10000
3542 - 0s - loss: 9.5670 -
     mean_absolute_error: 2.1907 - val_loss
       8.5095 - val_mean_absolute_error: 2.
     1954
3543 Epoch 1588/10000
3544 - 0s - loss: 12.0062 -
     mean_absolute_error: 2.4775 - val_loss
       8.5099 - val_mean_absolute_error: 2.
     1953
3545 Epoch 1589/10000
```

mean_absolute_error: 2.5223 - val_loss 8.5108 - val_mean_absolute_error: 2. 1953

3555 Epoch 1593/10000

3556 - 0s - loss: 10.3791

```
3556 mean_absolute_error: 2.3696 - val_loss
       8.5116 - val_mean_absolute_error: 2.
     1953
3557 Epoch 1594/10000
3558 - 0s - loss: 12.1316 -
     mean_absolute_error: 2.4254 - val_loss
       8.5110 - val_mean_absolute_error: 2.
     1951
3559 Epoch 1595/10000
3560 - 0s - loss: 12.0827 -
     mean_absolute_error: 2.4933 - val_loss
     : 8.5118 - val_mean_absolute_error: 2.
     1951
3561 Epoch 1596/10000
3562 - 0s - loss: 11.9017 -
     mean_absolute_error: 2.5024 - val_loss
       8.5113 - val_mean_absolute_error: 2.
     1952
3563 Epoch 1597/10000
3564 - 0s - loss: 11.4493 -
     mean_absolute_error: 2.4693 - val_loss
       8.5119 - val_mean_absolute_error: 2.
     1951
3565 Epoch 1598/10000
```

3573 Epoch 1601/10000

3574 - Os - Loss: 11.3211 - mean_absolute_error: 2.4273 - val_loss : 8.5145 - val_mean_absolute_error: 2.

1954

3575 Epoch 1602/10000

3576 - 0s - loss: 10.7740 -

```
3576 mean_absolute_error: 2.3331 - val_loss
       8.5150 - val_mean_absolute_error: 2.
     1953
3577 Epoch 1603/10000
3578 - 0s - loss: 11.5984 -
     mean_absolute_error: 2.3876 - val_loss
       8.5147 - val_mean_absolute_error: 2.
     1952
3579 Epoch 1604/10000
3580 - 0s - loss: 12.6419 -
     mean_absolute_error: 2.5926 - val_loss
     : 8.5154 - val_mean_absolute_error: 2.
     1951
3581 Epoch 1605/10000
3582 - 0s - Loss: 11.4256 -
     mean_absolute_error: 2.5331 - val_loss
       8.5142 - val_mean_absolute_error: 2.
     1949
3583 Epoch 1606/10000
     - 0s - loss: 11.4451 -
3584
     mean_absolute_error: 2.4348 - val_loss
       8.5139 - val_mean_absolute_error: 2.
     1949
3585 Epoch 1607/10000
```

Epoch 01610: saving model to ./model/model_best.h5

3595 Epoch 1611/10000

3596 - Os - Loss: 12.9547 -

```
3596 mean_absolute_error: 2.6076 - val_loss
       8.5134 - val_mean_absolute_error: 2.
     1950
3597 Epoch 1612/10000
3598 - 0s - loss: 11.5269 -
     mean_absolute_error: 2.4316 - val_loss
       8.5129 - val_mean_absolute_error: 2.
     1949
3599 Epoch 1613/10000
3600 - 0s - loss: 12.3816 -
     mean_absolute_error: 2.4945 - val_loss
      8.5135 - val_mean_absolute_error: 2.
     1949
3601 Epoch 1614/10000
3602 - 0s - loss: 11.0318 -
     mean_absolute_error: 2.4166 - val_loss
       8.5135 - val_mean_absolute_error: 2.
     1950
3603 Epoch 1615/10000
3604 - 0s - loss: 9.7265 -
     mean_absolute_error: 2.3181 - val_loss
      8.5145 - val_mean_absolute_error: 2.
     1951
3605 Epoch 1616/10000
```

```
- 0s - loss: 11.9899 -
3606
     mean_absolute_error: 2.4781 - val_loss
       8.5145 - val_mean_absolute_error: 2.
     1952
3607 Epoch 1617/10000
    - 0s - loss: 10.2370 -
3608
     mean_absolute_error: 2.4073 - val_loss
       8.5140 - val_mean_absolute_error: 2.
     1951
3609 Epoch 1618/10000
3610 - 0s - loss: 9.6012 -
     mean_absolute_error: 2.1922 - val_loss
      8.5141 - val_mean_absolute_error: 2.
     1951
3611 Epoch 1619/10000
3612 - 0s - loss: 12.6257 -
     mean_absolute_error: 2.5803 - val_loss
       8.5134 - val_mean_absolute_error: 2.
     1948
3613 Epoch 1620/10000
     - 0s - loss: 11.6927 -
3614
     mean_absolute_error: 2.5384 - val_loss
       8.5132 - val_mean_absolute_error: 2.
     1948
```

```
3615
3616 Epoch 01620: saving model to ./model/
     model_best.h5
3617 Epoch 1621/10000
3618 - 0s - loss: 12.0183 -
     mean_absolute_error: 2.4505 - val_loss
       8.5131 - val_mean_absolute_error: 2.
     1949
3619 Epoch 1622/10000
3620 - 0s - loss: 12.3343 -
     mean_absolute_error: 2.5647 - val_loss
      8.5129 - val_mean_absolute_error: 2.
     1948
3621 Epoch 1623/10000
3622 - 0s - loss: 11.1233 -
     mean_absolute_error: 2.4769 - val_loss
       8.5128 - val_mean_absolute_error: 2.
     1946
3623 Epoch 1624/10000
3624 - 0s - loss: 11.2865 -
     mean_absolute_error: 2.3649 - val_loss
       8.5128 - val_mean_absolute_error: 2.
     1946
3625 Epoch 1625/10000
```

```
- 0s - loss: 10.6567 -
3626
     mean_absolute_error: 2.3068 - val_loss
       8.5122 - val_mean_absolute_error: 2.
     1946
3627 Epoch 1626/10000
3628 - 0s - loss: 9.7528 -
     mean_absolute_error: 2.2017 - val_loss
       8.5120 - val_mean_absolute_error: 2.
     1946
3629 Epoch 1627/10000
3630 - 0s - loss: 12.4362 -
     mean_absolute_error: 2.4698 - val_loss
      8.5124 - val_mean_absolute_error: 2.
     1949
3631 Epoch 1628/10000
     - 0s - loss: 12.7314 -
3632
     mean_absolute_error: 2.5190 - val_loss
       8.5121 - val_mean_absolute_error: 2.
     1948
3633 Epoch 1629/10000
     - 0s - loss: 11.1972 -
3634
     mean_absolute_error: 2.4632 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1946
```

```
File - boston01
3635 Epoch 1630/10000
      - 0s - loss: 11.1773 -
3636
     mean_absolute_error: 2.4551 - val_loss
       8.5131 - val_mean_absolute_error: 2.
     1947
3637
     Epoch 01630: saving model to ./model/
3638
     model_best.h5
3639 Epoch 1631/10000
3640 - Os - Loss: 11.3757 -
     mean_absolute_error: 2.5232 - val_loss
       8.5135 - val_mean_absolute_error: 2.
     1946
3641 Epoch 1632/10000
3642 - 0s - loss: 11.6443 -
     mean_absolute_error: 2.4366 - val_loss
       8.5119 - val_mean_absolute_error: 2.
     1946
3643 Epoch 1633/10000
3644 - 0s - loss: 9.8299 -
     mean_absolute_error: 2.3317 - val_loss
       8.5119 - val_mean_absolute_error: 2.
     1947
3645 Epoch 1634/10000
```

```
- 0s - loss: 12.5519 -
3646
     mean_absolute_error: 2.4782 - val_loss
       8.5119 - val_mean_absolute_error: 2.
     1946
3647 Epoch 1635/10000
3648 - 0s - loss: 9.2857 -
     mean_absolute_error: 2.3001 - val_loss
       8.5116 - val_mean_absolute_error: 2.
     1947
3649 Epoch 1636/10000
3650 - 0s - loss: 12.1407 -
     mean_absolute_error: 2.5138 - val_loss
      8.5109 - val_mean_absolute_error: 2.
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3651 Epoch 1637/10000
     - 0s - loss: 10.5028 -
3652
     mean_absolute_error: 2.3790 - val_loss
       8.5101 - val_mean_absolute_error: 2.
     1946
3653 Epoch 1638/10000
     - Os - Loss: 11.3742 -
3654
     mean_absolute_error: 2.3759 - val_loss
       8.5110 - val_mean_absolute_error: 2.
     1947
```

```
File - boston01
3655 Epoch 1639/10000
      - 0s - loss: 10.4795 -
3656
     mean_absolute_error: 2.3587 - val_loss
       8.5115 - val_mean_absolute_error: 2.
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3657 Epoch 1640/10000
3658 - Os - Loss: 13.7229 -
     mean_absolute_error: 2.5614 - val_loss
       8.5112 - val_mean_absolute_error: 2.
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3659
3660 Epoch 01640: saving model to ./model/
     model_best.h5
3661 Epoch 1641/10000
3662 - 0s - loss: 12.8964 -
     mean_absolute_error: 2.5178 - val_loss
       8.5124 - val_mean_absolute_error: 2.
     1950
3663 Epoch 1642/10000
3664 - Os - loss: 13.8346 -
     mean_absolute_error: 2.5616 - val_loss
       8.5122 - val_mean_absolute_error: 2.
     1950
3665 Epoch 1643/10000
```

```
- 0s - loss: 12.9697 -
3666
     mean_absolute_error: 2.6262 - val_loss
       8.5124 - val_mean_absolute_error: 2.
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3667 Epoch 1644/10000
    - 0s - loss: 12.4783 -
3668
     mean_absolute_error: 2.4644 - val_loss
       8.5128 - val_mean_absolute_error: 2.
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3669 Epoch 1645/10000
3670 - 0s - loss: 11.6045 -
     mean_absolute_error: 2.5337 - val_loss
      8.5136 - val_mean_absolute_error: 2.
     1953
3671 Epoch 1646/10000
    - 0s - Loss: 12.1265 -
3672
     mean_absolute_error: 2.3481 - val_loss
       8.5131 - val_mean_absolute_error: 2.
     1952
3673 Epoch 1647/10000
     - 0s - loss: 11.8958 -
3674
     mean_absolute_error: 2.4235 - val_loss
       8.5131 - val_mean_absolute_error: 2.
     1953
```

```
File - boston01
3675 Epoch 1648/10000
      - 0s - loss: 10.2739 -
3676
     mean_absolute_error: 2.3836 - val_loss
       8.5129 - val_mean_absolute_error: 2.
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3677 Epoch 1649/10000
3678 - 0s - loss: 12.6599 -
     mean_absolute_error: 2.5603 - val_loss
       8.5127 - val_mean_absolute_error: 2.
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3679 Epoch 1650/10000
3680 - 0s - loss: 11.1029 -
     mean_absolute_error: 2.3275 - val_loss
       8.5127 - val_mean_absolute_error: 2.
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3681
3682 Epoch 01650: saving model to ./model/
     model_best.h5
3683 Epoch 1651/10000
      - 0s - loss: 13.5233 -
3684
     mean_absolute_error: 2.5365 - val_loss
       8.5116 - val_mean_absolute_error: 2.
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3685 Epoch 1652/10000
```

3693 Epoch 1656/10000

3694 - 0s - loss: 12.6855 - mean_absolute_error: 2.5308 - val_loss : 8.5107 - val_mean_absolute_error: 2.

1945

```
- 0s - loss: 11.2911 -
3706
     mean_absolute_error: 2.4237 - val_loss
       8.5082 - val_mean_absolute_error: 2.
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3707 Epoch 1662/10000
3708 - 0s - loss: 10.6765 -
     mean_absolute_error: 2.3995 - val_loss
       8.5077 - val_mean_absolute_error: 2.
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3709 Epoch 1663/10000
3710 - 0s - loss: 11.3472 -
     mean_absolute_error: 2.5459 - val_loss
      8.5087 - val_mean_absolute_error: 2.
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3711 Epoch 1664/10000
3712 - 0s - Loss: 10.7383 -
     mean_absolute_error: 2.3557 - val_loss
       8.5081 - val_mean_absolute_error: 2.
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3713 Epoch 1665/10000
     - 0s - loss: 12.8737 -
3714
     mean_absolute_error: 2.5682 - val_loss
     : 8.5086 - val_mean_absolute_error: 2.
     1941
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3724 - Os - Loss: 11.9224 mean_absolute_error: 2.5035 - val_loss 8.5062 - val_mean_absolute_error: 2.

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File - boston01
3724 1939
3725
3726 Epoch 01670: saving model to ./model/
     model_best.h5
3727 Epoch 1671/10000
3728 - 0s - loss: 11.8833 -
     mean_absolute_error: 2.4940 - val_loss
       8.5068 - val_mean_absolute_error: 2.
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3729 Epoch 1672/10000
3730 - 0s - loss: 8.6518 -
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3731 Epoch 1673/10000
3732 - 0s - loss: 12.0491 -
     mean_absolute_error: 2.5485 - val_loss
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3733 Epoch 1674/10000
      - 0s - loss: 10.7840 -
3734
     mean_absolute_error: 2.4380 - val_loss
       8.5075 - val_mean_absolute_error: 2.
     1939
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8.5083 - val_mean_absolute_error: 2.

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File - boston01
3744 1940
3745 Epoch 1680/10000
3746 - 0s - loss: 10.6047 -
     mean_absolute_error: 2.3616 - val_loss
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3747
3748 Epoch 01680: saving model to ./model/
     model_best.h5
3749 Epoch 1681/10000
3750 - 0s - loss: 12.6558 -
     mean_absolute_error: 2.5414 - val_loss
       8.5087 - val_mean_absolute_error: 2.
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3751 Epoch 1682/10000
3752 - 0s - loss: 10.2814 -
     mean_absolute_error: 2.3841 - val_loss
       8.5086 - val_mean_absolute_error: 2.
     1939
3753 Epoch 1683/10000
      - 0s - loss: 10.4346 -
3754 l
     mean_absolute_error: 2.4122 - val_loss
       8.5088 - val_mean_absolute_error: 2.
     1940
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