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1 C:\Users\vidyu\Anaconda3\python.exe C:/Users/vidyu/Desktop/pythoncode/Lab2_1.py
2 Using TensorFlow backend.
3 Index(['Sex', 'Length', 'Diameter', 'Height', 'Whole_Weight', 'Shucked_Weight',
4        'Viscera_Weight', 'Shell_Weight', 'Age'],
5       dtype='object')
6 Sex Length Diameter ... Viscera_Weight Shell_Weight Age
7 0 M 0.455 0.365 ... 0.1010 0.150 16.5
8 1 M 0.350 0.265 ... 0.0485 0.070 8.5
9 2 F 0.530 0.420 ... 0.1415 0.210 10.5
10 3 M 0.440 0.365 ... 0.1140 0.155 11.5
11 4 I 0.330 0.255 ... 0.0395 0.055 8.5
12
13 [5 rows x 9 columns]
14 <class 'pandas.core.frame.DataFrame'>
15 RangeIndex: 4177 entries, 0 to 4176
16 Data columns (total 9 columns):
17 Sex      4177 non-null object
18 Length    4177 non-null float64
19 Diameter  4177 non-null float64
20 Height    4177 non-null float64
21 Whole_Weight 4177 non-null float64
22 Shucked_Weight 4177 non-null float64
23 Viscera_Weight 4177 non-null float64
24 Shell_Weight 4177 non-null float64
25 Age      4177 non-null float64
26 dtypes: float64(8), object(1)
27 memory usage: 293.8+ KB
28 None
29          Length Diameter ... Shell_Weight     Age
30 count 4177.000000 4177.000000 ... 4177.000000 4177.000000
31 mean  0.523992 0.407881 ... 0.238831 11.433684
32 std   0.120093 0.099240 ... 0.139203 3.224169
33 min   0.075000 0.055000 ... 0.001500 2.500000
34 25%   0.450000 0.350000 ... 0.130000 9.500000
35 50%   0.545000 0.425000 ... 0.234000 10.500000
36 75%   0.615000 0.480000 ... 0.329000 12.500000
37 max   0.815000 0.650000 ... 1.005000 30.500000
38
39 [8 rows x 8 columns]
40          Length Diameter Height ... Shucked_Weight Viscera_Weight Shell_Weight
41 1376 0.620 0.510 0.175 ... 0.5715 0.2385 0.390
42 1225 0.345 0.255 0.085 ... 0.1050 0.0370 0.050
43 2722 0.375 0.275 0.095 ... 0.0950 0.0545 0.066
44 3387 0.545 0.410 0.145 ... 0.3035 0.1960 0.310
45 2773 0.580 0.465 0.145 ... 0.4700 0.2155 0.250
46
47 [5 rows x 7 columns]
48 668 14.5
49 1580 9.5
50 3784 12.5
51 463 6.5

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52 2615 13.5
53 Name: Age, dtype: float64
54 Training shape: (2923, 7)
55 Validation (2923,)
56 Training samples: 2923
57 Validation samples: 1254
58 WARNING: Logging before flag parsing goes to stderr.
59 W0722 19:19:03.192655 8380 deprecation_wrapper.py:119] From C:\Users\vidyu\
Anaconda3\lib\site-packages\keras\backend\tensorflow_backend.py:74: The name tf.
get_default_graph is deprecated. Please use tf.compat.v1.get_default_graph instead.
60
61 W0722 19:19:03.204600 8380 deprecation_wrapper.py:119] From C:\Users\vidyu\
Anaconda3\lib\site-packages\keras\backend\tensorflow_backend.py:517: The name tf
.placeholder is deprecated. Please use tf.compat.v1.placeholder instead.
62
63 W0722 19:19:03.205620 8380 deprecation_wrapper.py:119] From C:\Users\vidyu\
Anaconda3\lib\site-packages\keras\backend\tensorflow_backend.py:4138: The name tf.
random_uniform is deprecated. Please use tf.random.uniform instead.
64
65 W0722 19:19:03.218584 8380 deprecation_wrapper.py:119] From C:\Users\vidyu\
Anaconda3\lib\site-packages\keras\backend\tensorflow_backend.py:133: The name tf
.placeholder_with_default is deprecated. Please use tf.compat.v1.
placeholder_with_default instead.
66
67 W0722 19:19:03.224565 8380 deprecation.py:506] From C:\Users\vidyu\Anaconda3
\lib\site-packages\keras\backend\tensorflow_backend.py:3445: calling dropout (from
tensorflow.python.ops.nn_ops) with keep_prob is deprecated and will be removed in
a future version.
68 Instructions for updating:
69 Please use `rate` instead of `keep_prob`. Rate should be set to `rate = 1 - keep_prob`.
70 W0722 19:19:03.275540 8380 deprecation_wrapper.py:119] From C:\Users\vidyu\
Anaconda3\lib\site-packages\keras\optimizers.py:790: The name tf.train.Optimizer is
deprecated. Please use tf.compat.v1.train.Optimizer instead.
71
72
73 Layer (type)          Output Shape         Param #
74 =====
75 dense_1 (Dense)      (None, 100)           800
76
77 dropout_1 (Dropout)  (None, 100)           0
78
79 dense_2 (Dense)      (None, 50)            5050
80
81 dense_3 (Dense)      (None, 20)            1020
82
83 dense_4 (Dense)      (None, 1)             21
84 =====
85 Total params: 6,891
86 Trainable params: 6,891

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87 Non-trainable params: 0
88
89 W0722 19:19:04.228820 8380 deprecation_wrapper.py:119] From C:\Users\vidyu\
Anaconda3\lib\site-packages\keras\backend\tensorflow_backend.py:986: The name tf
.assign_add is deprecated. Please use tf.compat.v1.assign_add instead.
90
91 Train on 2923 samples, validate on 1254 samples
92 2019-07-22 19:19:04.290215: I tensorflow/core/platform/cpu_feature_guard.cc:142]
Your CPU supports instructions that this TensorFlow binary was not compiled to use
: AVX2
93 W0722 19:19:04.360715 8380 deprecation_wrapper.py:119] From C:\Users\vidyu\
Anaconda3\lib\site-packages\keras\callbacks.py:850: The name tf.summary.
merge_all is deprecated. Please use tf.compat.v1.summary.merge_all instead.
94
95 W0722 19:19:04.360715 8380 deprecation_wrapper.py:119] From C:\Users\vidyu\
Anaconda3\lib\site-packages\keras\callbacks.py:853: The name tf.summary.
FileWriter is deprecated. Please use tf.compat.v1.summary.FileWriter instead.
96
97 Epoch 1/800
98 - 0s - loss: 45.2667 - mean_absolute_error: 5.3376 - val_loss: 13.4386 -
val_mean_absolute_error: 2.9450
99 Epoch 2/800
100 - 0s - loss: 8.6366 - mean_absolute_error: 2.2207 - val_loss: 6.6073 -
val_mean_absolute_error: 1.9367
101 Epoch 3/800
102 - 0s - loss: 7.2124 - mean_absolute_error: 2.0382 - val_loss: 6.2890 -
val_mean_absolute_error: 1.7456
103 Epoch 4/800
104 - 0s - loss: 6.8172 - mean_absolute_error: 1.9819 - val_loss: 5.5692 -
val_mean_absolute_error: 1.7840
105 Epoch 5/800
106 - 0s - loss: 6.2190 - mean_absolute_error: 1.9012 - val_loss: 9.3557 -
val_mean_absolute_error: 2.3857
107 Epoch 6/800
108 - 0s - loss: 6.2182 - mean_absolute_error: 1.8534 - val_loss: 5.5278 -
val_mean_absolute_error: 1.6224
109 Epoch 7/800
110 - 0s - loss: 5.9343 - mean_absolute_error: 1.8137 - val_loss: 4.9352 -
val_mean_absolute_error: 1.6231
111 Epoch 8/800
112 - 0s - loss: 5.8844 - mean_absolute_error: 1.8046 - val_loss: 5.2463 -
val_mean_absolute_error: 1.6540
113 Epoch 9/800
114 - 0s - loss: 5.7965 - mean_absolute_error: 1.7941 - val_loss: 6.2630 -
val_mean_absolute_error: 1.9320
115 Epoch 10/800
116 - 0s - loss: 5.8428 - mean_absolute_error: 1.7950 - val_loss: 6.9913 -
val_mean_absolute_error: 2.0834
117 Epoch 11/800
118 - 0s - loss: 5.5026 - mean_absolute_error: 1.7301 - val_loss: 4.7078 -
val_mean_absolute_error: 1.5455
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119 Epoch 12/800
120 - 0s - loss: 5.6607 - mean_absolute_error: 1.7668 - val_loss: 4.8228 -
    val_mean_absolute_error: 1.6461
121 Epoch 13/800
122 - 0s - loss: 5.5637 - mean_absolute_error: 1.7687 - val_loss: 5.0142 -
    val_mean_absolute_error: 1.6732
123 Epoch 14/800
124 - 0s - loss: 5.2616 - mean_absolute_error: 1.7161 - val_loss: 5.0798 -
    val_mean_absolute_error: 1.7074
125 Epoch 15/800
126 - 0s - loss: 5.5066 - mean_absolute_error: 1.7353 - val_loss: 7.8992 -
    val_mean_absolute_error: 2.0262
127 Epoch 16/800
128 - 0s - loss: 5.4546 - mean_absolute_error: 1.7274 - val_loss: 5.0352 -
    val_mean_absolute_error: 1.5723
129 Epoch 17/800
130 - 0s - loss: 5.0408 - mean_absolute_error: 1.6617 - val_loss: 5.2223 -
    val_mean_absolute_error: 1.6271
131 Epoch 18/800
132 - 0s - loss: 5.5097 - mean_absolute_error: 1.7421 - val_loss: 7.5448 -
    val_mean_absolute_error: 1.9436
133 Epoch 19/800
134 - 0s - loss: 5.3748 - mean_absolute_error: 1.6915 - val_loss: 4.4620 -
    val_mean_absolute_error: 1.4862
135 Epoch 20/800
136 - 0s - loss: 5.2302 - mean_absolute_error: 1.6851 - val_loss: 4.6150 -
    val_mean_absolute_error: 1.5488
137 Epoch 21/800
138 - 0s - loss: 4.9589 - mean_absolute_error: 1.6361 - val_loss: 4.6604 -
    val_mean_absolute_error: 1.5852
139 Epoch 22/800
140 - 0s - loss: 5.1577 - mean_absolute_error: 1.6846 - val_loss: 4.6166 -
    val_mean_absolute_error: 1.4686
141 Epoch 23/800
142 - 0s - loss: 5.1120 - mean_absolute_error: 1.6641 - val_loss: 4.8452 -
    val_mean_absolute_error: 1.6529
143 Epoch 24/800
144 - 0s - loss: 5.3356 - mean_absolute_error: 1.6921 - val_loss: 6.2697 -
    val_mean_absolute_error: 1.7243
145 Epoch 25/800
146 - 0s - loss: 4.7605 - mean_absolute_error: 1.5907 - val_loss: 6.0234 -
    val_mean_absolute_error: 1.9622
147 Epoch 26/800
148 - 0s - loss: 5.3388 - mean_absolute_error: 1.7222 - val_loss: 5.9703 -
    val_mean_absolute_error: 1.6754
149 Epoch 27/800
150 - 0s - loss: 5.0484 - mean_absolute_error: 1.6385 - val_loss: 4.4809 -
    val_mean_absolute_error: 1.5039
151 Epoch 28/800
152 - 0s - loss: 4.9888 - mean_absolute_error: 1.6194 - val_loss: 5.4517 -
    val_mean_absolute_error: 1.6773
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153 Epoch 29/800
154 - 0s - loss: 5.0668 - mean_absolute_error: 1.6429 - val_loss: 6.2317 -
    val_mean_absolute_error: 1.9912
155 Epoch 30/800
156 - 0s - loss: 4.9715 - mean_absolute_error: 1.6451 - val_loss: 4.6470 -
    val_mean_absolute_error: 1.4767
157 Epoch 31/800
158 - 0s - loss: 4.9701 - mean_absolute_error: 1.6227 - val_loss: 4.5196 -
    val_mean_absolute_error: 1.4713
159 Epoch 32/800
160 - 0s - loss: 4.9384 - mean_absolute_error: 1.6212 - val_loss: 4.5294 -
    val_mean_absolute_error: 1.4702
161 Epoch 33/800
162 - 0s - loss: 4.9189 - mean_absolute_error: 1.6083 - val_loss: 4.5451 -
    val_mean_absolute_error: 1.4984
163 Epoch 34/800
164 - 0s - loss: 4.8924 - mean_absolute_error: 1.6076 - val_loss: 4.7883 -
    val_mean_absolute_error: 1.4990
165 Epoch 35/800
166 - 0s - loss: 4.9786 - mean_absolute_error: 1.6272 - val_loss: 5.2385 -
    val_mean_absolute_error: 1.6698
167 Epoch 36/800
168 - 0s - loss: 4.8734 - mean_absolute_error: 1.6159 - val_loss: 5.7782 -
    val_mean_absolute_error: 1.7571
169 Epoch 37/800
170 - 0s - loss: 5.0340 - mean_absolute_error: 1.6375 - val_loss: 4.9691 -
    val_mean_absolute_error: 1.6100
171 Epoch 38/800
172 - 0s - loss: 4.9254 - mean_absolute_error: 1.6053 - val_loss: 5.7128 -
    val_mean_absolute_error: 1.6438
173 Epoch 39/800
174 - 0s - loss: 4.7139 - mean_absolute_error: 1.5681 - val_loss: 4.6442 -
    val_mean_absolute_error: 1.5562
175 Epoch 40/800
176 - 0s - loss: 4.8338 - mean_absolute_error: 1.6055 - val_loss: 5.9689 -
    val_mean_absolute_error: 1.6718
177 Epoch 41/800
178 - 0s - loss: 4.8235 - mean_absolute_error: 1.5875 - val_loss: 4.9397 -
    val_mean_absolute_error: 1.6008
179 Epoch 42/800
180 - 0s - loss: 4.9684 - mean_absolute_error: 1.6233 - val_loss: 5.0454 -
    val_mean_absolute_error: 1.6723
181 Epoch 43/800
182 - 0s - loss: 4.7353 - mean_absolute_error: 1.5824 - val_loss: 4.5235 -
    val_mean_absolute_error: 1.5423
183 Epoch 44/800
184 - 0s - loss: 4.9571 - mean_absolute_error: 1.6306 - val_loss: 5.3242 -
    val_mean_absolute_error: 1.5825
185 Epoch 45/800
186 - 0s - loss: 4.7143 - mean_absolute_error: 1.5827 - val_loss: 4.7874 -
    val_mean_absolute_error: 1.5197
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187 Epoch 46/800
188 - 0s - loss: 4.7730 - mean_absolute_error: 1.5991 - val_loss: 4.9080 -
    val_mean_absolute_error: 1.5035
189 Epoch 47/800
190 - 0s - loss: 4.6644 - mean_absolute_error: 1.5985 - val_loss: 4.9827 -
    val_mean_absolute_error: 1.5708
191 Epoch 48/800
192 - 0s - loss: 4.8538 - mean_absolute_error: 1.6070 - val_loss: 4.9452 -
    val_mean_absolute_error: 1.5589
193 Epoch 49/800
194 - 0s - loss: 4.5869 - mean_absolute_error: 1.5541 - val_loss: 4.7013 -
    val_mean_absolute_error: 1.4787
195 Epoch 50/800
196 - 0s - loss: 4.7853 - mean_absolute_error: 1.5735 - val_loss: 5.1678 -
    val_mean_absolute_error: 1.5435
197 Epoch 51/800
198 - 0s - loss: 4.7811 - mean_absolute_error: 1.5959 - val_loss: 4.8645 -
    val_mean_absolute_error: 1.6705
199 Epoch 52/800
200 - 0s - loss: 4.6232 - mean_absolute_error: 1.5729 - val_loss: 4.8762 -
    val_mean_absolute_error: 1.5501
201 Epoch 53/800
202 - 0s - loss: 4.6246 - mean_absolute_error: 1.5543 - val_loss: 4.7719 -
    val_mean_absolute_error: 1.6225
203 Epoch 54/800
204 - 0s - loss: 4.8241 - mean_absolute_error: 1.5879 - val_loss: 4.5625 -
    val_mean_absolute_error: 1.4991
205 Epoch 55/800
206 - 0s - loss: 4.7908 - mean_absolute_error: 1.5910 - val_loss: 4.6344 -
    val_mean_absolute_error: 1.4732
207 Epoch 56/800
208 - 0s - loss: 4.8262 - mean_absolute_error: 1.5970 - val_loss: 4.7181 -
    val_mean_absolute_error: 1.6172
209 Epoch 57/800
210 - 0s - loss: 4.6274 - mean_absolute_error: 1.5707 - val_loss: 5.2738 -
    val_mean_absolute_error: 1.7354
211 Epoch 58/800
212 - 0s - loss: 4.8460 - mean_absolute_error: 1.5928 - val_loss: 5.2728 -
    val_mean_absolute_error: 1.6639
213 Epoch 59/800
214 - 0s - loss: 4.5666 - mean_absolute_error: 1.5556 - val_loss: 4.7347 -
    val_mean_absolute_error: 1.5101
215 Epoch 60/800
216 - 0s - loss: 4.5195 - mean_absolute_error: 1.5535 - val_loss: 5.1701 -
    val_mean_absolute_error: 1.5827
217 Epoch 61/800
218 - 0s - loss: 4.6183 - mean_absolute_error: 1.5502 - val_loss: 5.1815 -
    val_mean_absolute_error: 1.6816
219 Epoch 62/800
220 - 0s - loss: 4.6930 - mean_absolute_error: 1.5763 - val_loss: 5.4860 -
    val_mean_absolute_error: 1.6739
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221 Epoch 63/800
222 - 0s - loss: 4.7689 - mean_absolute_error: 1.5838 - val_loss: 4.7820 -
    val_mean_absolute_error: 1.6480
223 Epoch 64/800
224 - 0s - loss: 4.7897 - mean_absolute_error: 1.5905 - val_loss: 4.6633 -
    val_mean_absolute_error: 1.4849
225 Epoch 65/800
226 - 0s - loss: 4.4253 - mean_absolute_error: 1.5303 - val_loss: 4.9463 -
    val_mean_absolute_error: 1.6675
227 Epoch 66/800
228 - 0s - loss: 4.7245 - mean_absolute_error: 1.5821 - val_loss: 5.6526 -
    val_mean_absolute_error: 1.6141
229 Epoch 67/800
230 - 0s - loss: 4.7216 - mean_absolute_error: 1.5814 - val_loss: 4.5153 -
    val_mean_absolute_error: 1.4805
231 Epoch 68/800
232 - 0s - loss: 4.5957 - mean_absolute_error: 1.5631 - val_loss: 4.8941 -
    val_mean_absolute_error: 1.5144
233 Epoch 69/800
234 - 0s - loss: 4.5852 - mean_absolute_error: 1.5654 - val_loss: 4.5531 -
    val_mean_absolute_error: 1.5012
235 Epoch 70/800
236 - 0s - loss: 4.5316 - mean_absolute_error: 1.5326 - val_loss: 4.5989 -
    val_mean_absolute_error: 1.5492
237 Epoch 71/800
238 - 0s - loss: 4.7462 - mean_absolute_error: 1.5923 - val_loss: 4.8907 -
    val_mean_absolute_error: 1.5161
239 Epoch 72/800
240 - 0s - loss: 4.6328 - mean_absolute_error: 1.5663 - val_loss: 4.7502 -
    val_mean_absolute_error: 1.5054
241 Epoch 73/800
242 - 0s - loss: 4.5822 - mean_absolute_error: 1.5455 - val_loss: 4.7115 -
    val_mean_absolute_error: 1.4870
243 Epoch 74/800
244 - 0s - loss: 4.4855 - mean_absolute_error: 1.5353 - val_loss: 5.0767 -
    val_mean_absolute_error: 1.7326
245 Epoch 75/800
246 - 0s - loss: 4.5602 - mean_absolute_error: 1.5671 - val_loss: 6.1638 -
    val_mean_absolute_error: 1.7662
247 Epoch 76/800
248 - 0s - loss: 4.6949 - mean_absolute_error: 1.5639 - val_loss: 4.9667 -
    val_mean_absolute_error: 1.5535
249 Epoch 77/800
250 - 0s - loss: 4.4442 - mean_absolute_error: 1.5274 - val_loss: 4.5286 -
    val_mean_absolute_error: 1.5041
251 Epoch 78/800
252 - 0s - loss: 4.5743 - mean_absolute_error: 1.5527 - val_loss: 4.8724 -
    val_mean_absolute_error: 1.4987
253 Epoch 79/800
254 - 0s - loss: 4.4915 - mean_absolute_error: 1.5406 - val_loss: 4.5173 -
    val_mean_absolute_error: 1.5009
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255 Epoch 80/800
256 - 0s - loss: 4.6225 - mean_absolute_error: 1.5583 - val_loss: 4.7038 -
      val_mean_absolute_error: 1.4934
257 Epoch 81/800
258 - 0s - loss: 4.5409 - mean_absolute_error: 1.5557 - val_loss: 4.7577 -
      val_mean_absolute_error: 1.5657
259 Epoch 82/800
260 - 0s - loss: 4.6022 - mean_absolute_error: 1.5571 - val_loss: 4.4961 -
      val_mean_absolute_error: 1.5093
261 Epoch 83/800
262 - 0s - loss: 4.4314 - mean_absolute_error: 1.5216 - val_loss: 6.1407 -
      val_mean_absolute_error: 1.8656
263 Epoch 84/800
264 - 0s - loss: 4.5022 - mean_absolute_error: 1.5418 - val_loss: 4.6425 -
      val_mean_absolute_error: 1.4937
265 Epoch 85/800
266 - 0s - loss: 4.4816 - mean_absolute_error: 1.5352 - val_loss: 4.5291 -
      val_mean_absolute_error: 1.4838
267 Epoch 86/800
268 - 0s - loss: 4.4807 - mean_absolute_error: 1.5242 - val_loss: 4.6314 -
      val_mean_absolute_error: 1.5514
269 Epoch 87/800
270 - 0s - loss: 4.5503 - mean_absolute_error: 1.5579 - val_loss: 4.8183 -
      val_mean_absolute_error: 1.4958
271 Epoch 88/800
272 - 0s - loss: 4.5135 - mean_absolute_error: 1.5413 - val_loss: 4.6399 -
      val_mean_absolute_error: 1.5019
273 Epoch 89/800
274 - 0s - loss: 4.3667 - mean_absolute_error: 1.5218 - val_loss: 4.8596 -
      val_mean_absolute_error: 1.5212
275 Epoch 90/800
276 - 0s - loss: 4.5535 - mean_absolute_error: 1.5517 - val_loss: 6.2833 -
      val_mean_absolute_error: 1.7272
277 Epoch 91/800
278 - 0s - loss: 4.6050 - mean_absolute_error: 1.5569 - val_loss: 5.6170 -
      val_mean_absolute_error: 1.6605
279 Epoch 92/800
280 - 0s - loss: 4.6473 - mean_absolute_error: 1.5753 - val_loss: 5.1456 -
      val_mean_absolute_error: 1.5462
281 Epoch 93/800
282 - 0s - loss: 4.4599 - mean_absolute_error: 1.5289 - val_loss: 4.6575 -
      val_mean_absolute_error: 1.5901
283 Epoch 94/800
284 - 0s - loss: 4.5330 - mean_absolute_error: 1.5465 - val_loss: 4.6421 -
      val_mean_absolute_error: 1.5027
285 Epoch 95/800
286 - 0s - loss: 4.4355 - mean_absolute_error: 1.5211 - val_loss: 4.5033 -
      val_mean_absolute_error: 1.5022
287 Epoch 96/800
288 - 0s - loss: 4.5289 - mean_absolute_error: 1.5452 - val_loss: 4.5661 -
      val_mean_absolute_error: 1.5180
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289 Epoch 97/800
290 - 0s - loss: 4.3731 - mean_absolute_error: 1.5163 - val_loss: 4.9379 -
    val_mean_absolute_error: 1.5158
291 Epoch 98/800
292 - 0s - loss: 4.3613 - mean_absolute_error: 1.5207 - val_loss: 4.6705 -
    val_mean_absolute_error: 1.5908
293 Epoch 99/800
294 - 0s - loss: 4.4889 - mean_absolute_error: 1.5314 - val_loss: 4.6220 -
    val_mean_absolute_error: 1.5471
295 Epoch 100/800
296 - 0s - loss: 4.4811 - mean_absolute_error: 1.5407 - val_loss: 4.5799 -
    val_mean_absolute_error: 1.5356
297 Epoch 101/800
298 - 0s - loss: 4.4427 - mean_absolute_error: 1.5289 - val_loss: 5.4906 -
    val_mean_absolute_error: 1.6672
299 Epoch 102/800
300 - 0s - loss: 4.4507 - mean_absolute_error: 1.5199 - val_loss: 4.8620 -
    val_mean_absolute_error: 1.6388
301 Epoch 103/800
302 - 0s - loss: 4.4353 - mean_absolute_error: 1.5276 - val_loss: 5.0241 -
    val_mean_absolute_error: 1.6516
303 Epoch 104/800
304 - 0s - loss: 4.4834 - mean_absolute_error: 1.5265 - val_loss: 4.5972 -
    val_mean_absolute_error: 1.5285
305 Epoch 105/800
306 - 0s - loss: 4.4944 - mean_absolute_error: 1.5337 - val_loss: 4.8146 -
    val_mean_absolute_error: 1.5612
307 Epoch 106/800
308 - 0s - loss: 4.2525 - mean_absolute_error: 1.5049 - val_loss: 5.3560 -
    val_mean_absolute_error: 1.5838
309 Epoch 107/800
310 - 0s - loss: 4.3968 - mean_absolute_error: 1.5256 - val_loss: 5.5000 -
    val_mean_absolute_error: 1.6590
311 Epoch 108/800
312 - 0s - loss: 4.3743 - mean_absolute_error: 1.5097 - val_loss: 4.9706 -
    val_mean_absolute_error: 1.5608
313 Epoch 109/800
314 - 0s - loss: 4.4487 - mean_absolute_error: 1.5259 - val_loss: 4.9014 -
    val_mean_absolute_error: 1.6387
315 Epoch 110/800
316 - 0s - loss: 4.3855 - mean_absolute_error: 1.5114 - val_loss: 4.8235 -
    val_mean_absolute_error: 1.5043
317 Epoch 111/800
318 - 0s - loss: 4.2503 - mean_absolute_error: 1.5012 - val_loss: 4.5404 -
    val_mean_absolute_error: 1.5271
319 Epoch 112/800
320 - 0s - loss: 4.3166 - mean_absolute_error: 1.5088 - val_loss: 5.0192 -
    val_mean_absolute_error: 1.5710
321 Epoch 113/800
322 - 0s - loss: 4.4478 - mean_absolute_error: 1.5240 - val_loss: 4.7159 -
    val_mean_absolute_error: 1.5027
```

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323 Epoch 114/800
324 - 0s - loss: 4.3492 - mean_absolute_error: 1.5073 - val_loss: 4.5273 -
      val_mean_absolute_error: 1.5032
325 Epoch 115/800
326 - 0s - loss: 4.2656 - mean_absolute_error: 1.5116 - val_loss: 4.7306 -
      val_mean_absolute_error: 1.5004
327 Epoch 116/800
328 - 0s - loss: 4.4188 - mean_absolute_error: 1.5167 - val_loss: 4.5892 -
      val_mean_absolute_error: 1.4956
329 Epoch 117/800
330 - 0s - loss: 4.3612 - mean_absolute_error: 1.5090 - val_loss: 5.1560 -
      val_mean_absolute_error: 1.6474
331 Epoch 118/800
332 - 0s - loss: 4.1849 - mean_absolute_error: 1.4843 - val_loss: 5.4414 -
      val_mean_absolute_error: 1.6658
333 Epoch 119/800
334 - 0s - loss: 4.5136 - mean_absolute_error: 1.5381 - val_loss: 4.6087 -
      val_mean_absolute_error: 1.4898
335 Epoch 120/800
336 - 0s - loss: 4.3401 - mean_absolute_error: 1.5113 - val_loss: 4.6309 -
      val_mean_absolute_error: 1.4960
337 Epoch 121/800
338 - 0s - loss: 4.3351 - mean_absolute_error: 1.5094 - val_loss: 4.6902 -
      val_mean_absolute_error: 1.5143
339 Epoch 122/800
340 - 0s - loss: 4.3025 - mean_absolute_error: 1.5011 - val_loss: 5.0360 -
      val_mean_absolute_error: 1.6783
341 Epoch 123/800
342 - 0s - loss: 4.3757 - mean_absolute_error: 1.5159 - val_loss: 4.6840 -
      val_mean_absolute_error: 1.4980
343 Epoch 124/800
344 - 0s - loss: 4.3693 - mean_absolute_error: 1.5088 - val_loss: 4.5952 -
      val_mean_absolute_error: 1.4902
345 Epoch 125/800
346 - 0s - loss: 4.1885 - mean_absolute_error: 1.4780 - val_loss: 5.1665 -
      val_mean_absolute_error: 1.7040
347 Epoch 126/800
348 - 0s - loss: 4.4222 - mean_absolute_error: 1.5362 - val_loss: 4.6145 -
      val_mean_absolute_error: 1.5150
349 Epoch 127/800
350 - 0s - loss: 4.1816 - mean_absolute_error: 1.4889 - val_loss: 4.5978 -
      val_mean_absolute_error: 1.5027
351 Epoch 128/800
352 - 0s - loss: 4.2626 - mean_absolute_error: 1.4977 - val_loss: 5.0086 -
      val_mean_absolute_error: 1.5265
353 Epoch 129/800
354 - 0s - loss: 4.3260 - mean_absolute_error: 1.5101 - val_loss: 4.6881 -
      val_mean_absolute_error: 1.5791
355 Epoch 130/800
356 - 0s - loss: 4.3755 - mean_absolute_error: 1.5103 - val_loss: 5.5838 -
      val_mean_absolute_error: 1.6224
```

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357 Epoch 131/800
358 - 0s - loss: 4.3692 - mean_absolute_error: 1.4937 - val_loss: 4.8379 -
      val_mean_absolute_error: 1.5695
359 Epoch 132/800
360 - 0s - loss: 4.2628 - mean_absolute_error: 1.5033 - val_loss: 4.6217 -
      val_mean_absolute_error: 1.4880
361 Epoch 133/800
362 - 0s - loss: 4.2998 - mean_absolute_error: 1.4939 - val_loss: 5.0984 -
      val_mean_absolute_error: 1.5990
363 Epoch 134/800
364 - 0s - loss: 4.2216 - mean_absolute_error: 1.4997 - val_loss: 5.1382 -
      val_mean_absolute_error: 1.6017
365 Epoch 135/800
366 - 0s - loss: 4.2355 - mean_absolute_error: 1.4878 - val_loss: 4.8361 -
      val_mean_absolute_error: 1.5861
367 Epoch 136/800
368 - 0s - loss: 4.2899 - mean_absolute_error: 1.4904 - val_loss: 4.7418 -
      val_mean_absolute_error: 1.5625
369 Epoch 137/800
370 - 0s - loss: 4.2339 - mean_absolute_error: 1.4830 - val_loss: 4.5721 -
      val_mean_absolute_error: 1.4795
371 Epoch 138/800
372 - 0s - loss: 4.1429 - mean_absolute_error: 1.4768 - val_loss: 4.6693 -
      val_mean_absolute_error: 1.5226
373 Epoch 139/800
374 - 0s - loss: 4.2867 - mean_absolute_error: 1.5049 - val_loss: 5.0401 -
      val_mean_absolute_error: 1.5376
375 Epoch 140/800
376 - 0s - loss: 4.1135 - mean_absolute_error: 1.4708 - val_loss: 4.6083 -
      val_mean_absolute_error: 1.4900
377 Epoch 141/800
378 - 0s - loss: 4.2566 - mean_absolute_error: 1.4865 - val_loss: 5.3122 -
      val_mean_absolute_error: 1.6198
379 Epoch 142/800
380 - 0s - loss: 4.1970 - mean_absolute_error: 1.4864 - val_loss: 4.8086 -
      val_mean_absolute_error: 1.5678
381 Epoch 143/800
382 - 0s - loss: 4.2483 - mean_absolute_error: 1.4830 - val_loss: 5.0566 -
      val_mean_absolute_error: 1.5381
383 Epoch 144/800
384 - 0s - loss: 4.2600 - mean_absolute_error: 1.4823 - val_loss: 4.6590 -
      val_mean_absolute_error: 1.5542
385 Epoch 145/800
386 - 0s - loss: 4.2095 - mean_absolute_error: 1.4853 - val_loss: 5.5991 -
      val_mean_absolute_error: 1.5893
387 Epoch 146/800
388 - 0s - loss: 4.3240 - mean_absolute_error: 1.5003 - val_loss: 4.5661 -
      val_mean_absolute_error: 1.5264
389 Epoch 147/800
390 - 0s - loss: 4.0954 - mean_absolute_error: 1.4643 - val_loss: 4.6564 -
      val_mean_absolute_error: 1.5176
```

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391 Epoch 148/800
392 - 0s - loss: 4.2889 - mean_absolute_error: 1.4931 - val_loss: 5.1486 -
    val_mean_absolute_error: 1.6739
393 Epoch 149/800
394 - 0s - loss: 4.2149 - mean_absolute_error: 1.4825 - val_loss: 4.7242 -
    val_mean_absolute_error: 1.5520
395 Epoch 150/800
396 - 0s - loss: 4.1626 - mean_absolute_error: 1.4706 - val_loss: 5.4779 -
    val_mean_absolute_error: 1.6745
397 Epoch 151/800
398 - 0s - loss: 4.1623 - mean_absolute_error: 1.4697 - val_loss: 4.7610 -
    val_mean_absolute_error: 1.5225
399 Epoch 152/800
400 - 0s - loss: 4.1470 - mean_absolute_error: 1.4833 - val_loss: 5.1053 -
    val_mean_absolute_error: 1.6458
401 Epoch 153/800
402 - 0s - loss: 4.2476 - mean_absolute_error: 1.4952 - val_loss: 4.8169 -
    val_mean_absolute_error: 1.5066
403 Epoch 154/800
404 - 0s - loss: 4.2063 - mean_absolute_error: 1.4823 - val_loss: 4.6919 -
    val_mean_absolute_error: 1.5147
405 Epoch 155/800
406 - 0s - loss: 4.1841 - mean_absolute_error: 1.4895 - val_loss: 4.6182 -
    val_mean_absolute_error: 1.5022
407 Epoch 156/800
408 - 0s - loss: 4.2200 - mean_absolute_error: 1.4946 - val_loss: 4.7501 -
    val_mean_absolute_error: 1.5675
409 Epoch 157/800
410 - 0s - loss: 4.0067 - mean_absolute_error: 1.4513 - val_loss: 4.9869 -
    val_mean_absolute_error: 1.5615
411 Epoch 158/800
412 - 0s - loss: 4.2181 - mean_absolute_error: 1.4817 - val_loss: 4.7675 -
    val_mean_absolute_error: 1.5917
413 Epoch 159/800
414 - 0s - loss: 4.0332 - mean_absolute_error: 1.4528 - val_loss: 5.4429 -
    val_mean_absolute_error: 1.7118
415 Epoch 160/800
416 - 0s - loss: 4.0601 - mean_absolute_error: 1.4624 - val_loss: 5.4661 -
    val_mean_absolute_error: 1.5890
417 Epoch 161/800
418 - 0s - loss: 4.2481 - mean_absolute_error: 1.4799 - val_loss: 4.8061 -
    val_mean_absolute_error: 1.5250
419 Epoch 162/800
420 - 0s - loss: 4.1913 - mean_absolute_error: 1.4790 - val_loss: 5.2483 -
    val_mean_absolute_error: 1.7136
421 Epoch 163/800
422 - 0s - loss: 4.0671 - mean_absolute_error: 1.4676 - val_loss: 5.6166 -
    val_mean_absolute_error: 1.6028
423 Epoch 164/800
424 - 0s - loss: 4.1773 - mean_absolute_error: 1.4853 - val_loss: 4.7907 -
    val_mean_absolute_error: 1.5332
```

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425 Epoch 165/800
426 - 0s - loss: 4.0640 - mean_absolute_error: 1.4571 - val_loss: 4.7315 -
    val_mean_absolute_error: 1.5308
427 Epoch 166/800
428 - 0s - loss: 4.1595 - mean_absolute_error: 1.4675 - val_loss: 5.5494 -
    val_mean_absolute_error: 1.7667
429 Epoch 167/800
430 - 0s - loss: 4.0726 - mean_absolute_error: 1.4643 - val_loss: 4.7724 -
    val_mean_absolute_error: 1.5366
431 Epoch 168/800
432 - 0s - loss: 4.1577 - mean_absolute_error: 1.4732 - val_loss: 4.8715 -
    val_mean_absolute_error: 1.5153
433 Epoch 169/800
434 - 0s - loss: 4.0503 - mean_absolute_error: 1.4625 - val_loss: 4.8069 -
    val_mean_absolute_error: 1.5662
435 Epoch 170/800
436 - 0s - loss: 4.0453 - mean_absolute_error: 1.4519 - val_loss: 5.3587 -
    val_mean_absolute_error: 1.5775
437 Epoch 171/800
438 - 0s - loss: 4.0837 - mean_absolute_error: 1.4675 - val_loss: 4.9443 -
    val_mean_absolute_error: 1.5398
439 Epoch 172/800
440 - 0s - loss: 4.1056 - mean_absolute_error: 1.4643 - val_loss: 5.4451 -
    val_mean_absolute_error: 1.6530
441 Epoch 173/800
442 - 0s - loss: 4.1668 - mean_absolute_error: 1.4682 - val_loss: 4.7168 -
    val_mean_absolute_error: 1.5361
443 Epoch 174/800
444 - 0s - loss: 4.1030 - mean_absolute_error: 1.4639 - val_loss: 4.9427 -
    val_mean_absolute_error: 1.5645
445 Epoch 175/800
446 - 0s - loss: 4.1199 - mean_absolute_error: 1.4612 - val_loss: 5.2024 -
    val_mean_absolute_error: 1.5587
447 Epoch 176/800
448 - 0s - loss: 4.0633 - mean_absolute_error: 1.4502 - val_loss: 5.5121 -
    val_mean_absolute_error: 1.6267
449 Epoch 177/800
450 - 0s - loss: 4.1483 - mean_absolute_error: 1.4769 - val_loss: 4.8497 -
    val_mean_absolute_error: 1.5880
451 Epoch 178/800
452 - 0s - loss: 4.0758 - mean_absolute_error: 1.4543 - val_loss: 5.0791 -
    val_mean_absolute_error: 1.5383
453 Epoch 179/800
454 - 0s - loss: 3.9755 - mean_absolute_error: 1.4375 - val_loss: 5.0618 -
    val_mean_absolute_error: 1.6054
455 Epoch 180/800
456 - 0s - loss: 4.1524 - mean_absolute_error: 1.4789 - val_loss: 4.6684 -
    val_mean_absolute_error: 1.4932
457 Epoch 181/800
458 - 0s - loss: 4.0752 - mean_absolute_error: 1.4665 - val_loss: 4.9173 -
    val_mean_absolute_error: 1.5611
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459 Epoch 182/800
460 - 0s - loss: 4.0546 - mean_absolute_error: 1.4657 - val_loss: 5.2808 -
    val_mean_absolute_error: 1.5507
461 Epoch 183/800
462 - 0s - loss: 4.1288 - mean_absolute_error: 1.4677 - val_loss: 5.1733 -
    val_mean_absolute_error: 1.5619
463 Epoch 184/800
464 - 0s - loss: 4.0881 - mean_absolute_error: 1.4669 - val_loss: 4.7404 -
    val_mean_absolute_error: 1.5179
465 Epoch 185/800
466 - 0s - loss: 4.0069 - mean_absolute_error: 1.4467 - val_loss: 4.9347 -
    val_mean_absolute_error: 1.5331
467 Epoch 186/800
468 - 0s - loss: 4.0500 - mean_absolute_error: 1.4623 - val_loss: 5.3860 -
    val_mean_absolute_error: 1.6125
469 Epoch 187/800
470 - 0s - loss: 4.0839 - mean_absolute_error: 1.4632 - val_loss: 5.0527 -
    val_mean_absolute_error: 1.6686
471 Epoch 188/800
472 - 0s - loss: 4.1046 - mean_absolute_error: 1.4682 - val_loss: 4.8631 -
    val_mean_absolute_error: 1.5911
473 Epoch 189/800
474 - 0s - loss: 3.9906 - mean_absolute_error: 1.4475 - val_loss: 5.1892 -
    val_mean_absolute_error: 1.5848
475 Epoch 190/800
476 - 0s - loss: 3.9321 - mean_absolute_error: 1.4433 - val_loss: 5.5939 -
    val_mean_absolute_error: 1.5852
477 Epoch 191/800
478 - 0s - loss: 3.9607 - mean_absolute_error: 1.4474 - val_loss: 4.9724 -
    val_mean_absolute_error: 1.6236
479 Epoch 192/800
480 - 0s - loss: 4.0373 - mean_absolute_error: 1.4565 - val_loss: 5.0556 -
    val_mean_absolute_error: 1.5933
481 Epoch 193/800
482 - 0s - loss: 4.0383 - mean_absolute_error: 1.4537 - val_loss: 5.1459 -
    val_mean_absolute_error: 1.5632
483 Epoch 194/800
484 - 0s - loss: 3.9566 - mean_absolute_error: 1.4571 - val_loss: 4.9572 -
    val_mean_absolute_error: 1.5174
485 Epoch 195/800
486 - 0s - loss: 3.9705 - mean_absolute_error: 1.4378 - val_loss: 4.9089 -
    val_mean_absolute_error: 1.5650
487 Epoch 196/800
488 - 0s - loss: 4.0702 - mean_absolute_error: 1.4632 - val_loss: 4.8431 -
    val_mean_absolute_error: 1.5631
489 Epoch 197/800
490 - 0s - loss: 4.0224 - mean_absolute_error: 1.4549 - val_loss: 4.8337 -
    val_mean_absolute_error: 1.5275
491 Epoch 198/800
492 - 0s - loss: 3.8664 - mean_absolute_error: 1.4280 - val_loss: 5.0287 -
    val_mean_absolute_error: 1.5436
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493 Epoch 199/800
494 - 0s - loss: 4.0361 - mean_absolute_error: 1.4422 - val_loss: 4.9876 -
      val_mean_absolute_error: 1.6297
495 Epoch 200/800
496 - 0s - loss: 4.1096 - mean_absolute_error: 1.4602 - val_loss: 5.5318 -
      val_mean_absolute_error: 1.6362
497 Epoch 201/800
498 - 0s - loss: 4.0531 - mean_absolute_error: 1.4543 - val_loss: 4.8590 -
      val_mean_absolute_error: 1.5268
499 Epoch 202/800
500 - 0s - loss: 4.0203 - mean_absolute_error: 1.4539 - val_loss: 4.7948 -
      val_mean_absolute_error: 1.5266
501 Epoch 203/800
502 - 0s - loss: 3.9382 - mean_absolute_error: 1.4271 - val_loss: 5.5101 -
      val_mean_absolute_error: 1.6341
503 Epoch 204/800
504 - 0s - loss: 4.0241 - mean_absolute_error: 1.4439 - val_loss: 4.9921 -
      val_mean_absolute_error: 1.5274
505 Epoch 205/800
506 - 0s - loss: 3.9257 - mean_absolute_error: 1.4371 - val_loss: 5.0824 -
      val_mean_absolute_error: 1.5388
507 Epoch 206/800
508 - 0s - loss: 3.9797 - mean_absolute_error: 1.4438 - val_loss: 4.9516 -
      val_mean_absolute_error: 1.5271
509 Epoch 207/800
510 - 0s - loss: 3.9348 - mean_absolute_error: 1.4353 - val_loss: 5.1734 -
      val_mean_absolute_error: 1.5681
511 Epoch 208/800
512 - 0s - loss: 3.8809 - mean_absolute_error: 1.4177 - val_loss: 5.0048 -
      val_mean_absolute_error: 1.5474
513 Epoch 209/800
514 - 0s - loss: 4.0241 - mean_absolute_error: 1.4674 - val_loss: 5.0932 -
      val_mean_absolute_error: 1.5754
515 Epoch 210/800
516 - 0s - loss: 3.9085 - mean_absolute_error: 1.4404 - val_loss: 4.8589 -
      val_mean_absolute_error: 1.5350
517 Epoch 211/800
518 - 0s - loss: 3.9403 - mean_absolute_error: 1.4230 - val_loss: 5.3134 -
      val_mean_absolute_error: 1.6204
519 Epoch 212/800
520 - 0s - loss: 3.9341 - mean_absolute_error: 1.4308 - val_loss: 5.0572 -
      val_mean_absolute_error: 1.5387
521 Epoch 213/800
522 - 0s - loss: 3.9041 - mean_absolute_error: 1.4290 - val_loss: 5.3675 -
      val_mean_absolute_error: 1.6248
523 Epoch 214/800
524 - 0s - loss: 3.9181 - mean_absolute_error: 1.4316 - val_loss: 5.2674 -
      val_mean_absolute_error: 1.5614
525 Epoch 215/800
526 - 0s - loss: 3.8934 - mean_absolute_error: 1.4404 - val_loss: 4.8954 -
      val_mean_absolute_error: 1.5468
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527 Epoch 216/800
528 - 0s - loss: 3.9129 - mean_absolute_error: 1.4432 - val_loss: 4.7168 -
      val_mean_absolute_error: 1.5225
529 Epoch 217/800
530 - 0s - loss: 3.9069 - mean_absolute_error: 1.4426 - val_loss: 5.2882 -
      val_mean_absolute_error: 1.5687
531 Epoch 218/800
532 - 0s - loss: 3.9110 - mean_absolute_error: 1.4280 - val_loss: 4.7067 -
      val_mean_absolute_error: 1.5276
533 Epoch 219/800
534 - 0s - loss: 3.9065 - mean_absolute_error: 1.4442 - val_loss: 4.6673 -
      val_mean_absolute_error: 1.5071
535 Epoch 220/800
536 - 0s - loss: 3.8529 - mean_absolute_error: 1.4247 - val_loss: 4.9054 -
      val_mean_absolute_error: 1.5680
537 Epoch 221/800
538 - 0s - loss: 3.8521 - mean_absolute_error: 1.4262 - val_loss: 5.0467 -
      val_mean_absolute_error: 1.6107
539 Epoch 222/800
540 - 0s - loss: 3.9209 - mean_absolute_error: 1.4334 - val_loss: 4.8385 -
      val_mean_absolute_error: 1.5321
541 Epoch 223/800
542 - 0s - loss: 3.9177 - mean_absolute_error: 1.4449 - val_loss: 5.6684 -
      val_mean_absolute_error: 1.6219
543 Epoch 224/800
544 - 0s - loss: 4.0475 - mean_absolute_error: 1.4616 - val_loss: 4.8671 -
      val_mean_absolute_error: 1.5466
545 Epoch 225/800
546 - 0s - loss: 3.9015 - mean_absolute_error: 1.4253 - val_loss: 4.8737 -
      val_mean_absolute_error: 1.5706
547 Epoch 226/800
548 - 0s - loss: 3.9739 - mean_absolute_error: 1.4402 - val_loss: 4.8840 -
      val_mean_absolute_error: 1.5345
549 Epoch 227/800
550 - 0s - loss: 3.8754 - mean_absolute_error: 1.4234 - val_loss: 4.8330 -
      val_mean_absolute_error: 1.5372
551 Epoch 228/800
552 - 0s - loss: 3.9020 - mean_absolute_error: 1.4286 - val_loss: 5.0255 -
      val_mean_absolute_error: 1.5546
553 Epoch 229/800
554 - 0s - loss: 3.9020 - mean_absolute_error: 1.4299 - val_loss: 4.9821 -
      val_mean_absolute_error: 1.5348
555 Epoch 230/800
556 - 0s - loss: 3.8620 - mean_absolute_error: 1.4110 - val_loss: 4.8143 -
      val_mean_absolute_error: 1.5348
557 Epoch 231/800
558 - 0s - loss: 3.9816 - mean_absolute_error: 1.4517 - val_loss: 4.8413 -
      val_mean_absolute_error: 1.5497
559 Epoch 232/800
560 - 0s - loss: 3.8712 - mean_absolute_error: 1.4278 - val_loss: 4.9927 -
      val_mean_absolute_error: 1.5582
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561 Epoch 233/800
562 - 0s - loss: 3.8380 - mean_absolute_error: 1.4187 - val_loss: 4.8749 -
      val_mean_absolute_error: 1.5295
563 Epoch 234/800
564 - 0s - loss: 3.8365 - mean_absolute_error: 1.4191 - val_loss: 4.9823 -
      val_mean_absolute_error: 1.5459
565 Epoch 235/800
566 - 0s - loss: 3.8344 - mean_absolute_error: 1.4309 - val_loss: 5.5878 -
      val_mean_absolute_error: 1.6079
567 Epoch 236/800
568 - 0s - loss: 3.8551 - mean_absolute_error: 1.4207 - val_loss: 5.0941 -
      val_mean_absolute_error: 1.5605
569 Epoch 237/800
570 - 0s - loss: 3.8780 - mean_absolute_error: 1.4362 - val_loss: 5.0319 -
      val_mean_absolute_error: 1.5646
571 Epoch 238/800
572 - 0s - loss: 3.8908 - mean_absolute_error: 1.4358 - val_loss: 4.9813 -
      val_mean_absolute_error: 1.5412
573 Epoch 239/800
574 - 0s - loss: 3.7845 - mean_absolute_error: 1.4009 - val_loss: 4.9734 -
      val_mean_absolute_error: 1.5982
575 Epoch 240/800
576 - 0s - loss: 3.9009 - mean_absolute_error: 1.4292 - val_loss: 5.0423 -
      val_mean_absolute_error: 1.5865
577 Epoch 241/800
578 - 0s - loss: 3.7858 - mean_absolute_error: 1.4073 - val_loss: 5.2696 -
      val_mean_absolute_error: 1.6010
579 Epoch 242/800
580 - 0s - loss: 3.8771 - mean_absolute_error: 1.4275 - val_loss: 4.8713 -
      val_mean_absolute_error: 1.5702
581 Epoch 243/800
582 - 0s - loss: 3.7593 - mean_absolute_error: 1.4143 - val_loss: 4.9548 -
      val_mean_absolute_error: 1.5664
583 Epoch 244/800
584 - 0s - loss: 3.8451 - mean_absolute_error: 1.4167 - val_loss: 4.8915 -
      val_mean_absolute_error: 1.5847
585 Epoch 245/800
586 - 0s - loss: 3.8644 - mean_absolute_error: 1.4374 - val_loss: 4.8305 -
      val_mean_absolute_error: 1.5505
587 Epoch 246/800
588 - 0s - loss: 3.6938 - mean_absolute_error: 1.4009 - val_loss: 5.0634 -
      val_mean_absolute_error: 1.6016
589 Epoch 247/800
590 - 0s - loss: 3.7664 - mean_absolute_error: 1.4157 - val_loss: 4.6955 -
      val_mean_absolute_error: 1.5102
591 Epoch 248/800
592 - 0s - loss: 3.7968 - mean_absolute_error: 1.4034 - val_loss: 4.7768 -
      val_mean_absolute_error: 1.5492
593 Epoch 249/800
594 - 0s - loss: 3.8274 - mean_absolute_error: 1.4301 - val_loss: 4.9171 -
      val_mean_absolute_error: 1.5418
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595 Epoch 250/800
596 - 0s - loss: 3.7152 - mean_absolute_error: 1.3865 - val_loss: 4.9280 -
      val_mean_absolute_error: 1.5942
597 Epoch 251/800
598 - 0s - loss: 3.7446 - mean_absolute_error: 1.4081 - val_loss: 4.8435 -
      val_mean_absolute_error: 1.5651
599 Epoch 252/800
600 - 0s - loss: 3.7820 - mean_absolute_error: 1.4145 - val_loss: 4.8679 -
      val_mean_absolute_error: 1.5404
601 Epoch 253/800
602 - 0s - loss: 3.7665 - mean_absolute_error: 1.4162 - val_loss: 5.3655 -
      val_mean_absolute_error: 1.6860
603 Epoch 254/800
604 - 0s - loss: 3.7876 - mean_absolute_error: 1.4155 - val_loss: 5.4693 -
      val_mean_absolute_error: 1.6926
605 Epoch 255/800
606 - 0s - loss: 3.7504 - mean_absolute_error: 1.4067 - val_loss: 4.9958 -
      val_mean_absolute_error: 1.6293
607 Epoch 256/800
608 - 0s - loss: 3.6806 - mean_absolute_error: 1.3991 - val_loss: 4.9503 -
      val_mean_absolute_error: 1.5658
609 Epoch 257/800
610 - 0s - loss: 3.6558 - mean_absolute_error: 1.3895 - val_loss: 4.9092 -
      val_mean_absolute_error: 1.5346
611 Epoch 258/800
612 - 0s - loss: 3.8056 - mean_absolute_error: 1.4153 - val_loss: 5.0539 -
      val_mean_absolute_error: 1.6642
613 Epoch 259/800
614 - 0s - loss: 3.7526 - mean_absolute_error: 1.4081 - val_loss: 4.9444 -
      val_mean_absolute_error: 1.5496
615 Epoch 260/800
616 - 0s - loss: 3.8385 - mean_absolute_error: 1.4120 - val_loss: 5.5406 -
      val_mean_absolute_error: 1.6122
617 Epoch 261/800
618 - 0s - loss: 3.7756 - mean_absolute_error: 1.4169 - val_loss: 5.1093 -
      val_mean_absolute_error: 1.5837
619 Epoch 262/800
620 - 0s - loss: 3.7131 - mean_absolute_error: 1.3931 - val_loss: 4.8484 -
      val_mean_absolute_error: 1.5439
621 Epoch 263/800
622 - 0s - loss: 3.7201 - mean_absolute_error: 1.3979 - val_loss: 5.2173 -
      val_mean_absolute_error: 1.5574
623 Epoch 264/800
624 - 0s - loss: 3.6627 - mean_absolute_error: 1.3939 - val_loss: 4.9186 -
      val_mean_absolute_error: 1.5451
625 Epoch 265/800
626 - 0s - loss: 3.6896 - mean_absolute_error: 1.4017 - val_loss: 4.9321 -
      val_mean_absolute_error: 1.5835
627 Epoch 266/800
628 - 0s - loss: 3.8160 - mean_absolute_error: 1.4223 - val_loss: 4.8751 -
      val_mean_absolute_error: 1.5465
```

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629 Epoch 267/800
630 - 0s - loss: 3.6951 - mean_absolute_error: 1.4078 - val_loss: 5.1821 -
    val_mean_absolute_error: 1.6597
631 Epoch 268/800
632 - 0s - loss: 3.8008 - mean_absolute_error: 1.4103 - val_loss: 5.5803 -
    val_mean_absolute_error: 1.5993
633 Epoch 269/800
634 - 0s - loss: 3.7210 - mean_absolute_error: 1.3980 - val_loss: 5.0774 -
    val_mean_absolute_error: 1.5488
635 Epoch 270/800
636 - 0s - loss: 3.7259 - mean_absolute_error: 1.4023 - val_loss: 5.3735 -
    val_mean_absolute_error: 1.7268
637 Epoch 271/800
638 - 0s - loss: 3.6944 - mean_absolute_error: 1.4023 - val_loss: 5.1695 -
    val_mean_absolute_error: 1.5670
639 Epoch 272/800
640 - 0s - loss: 3.5849 - mean_absolute_error: 1.3737 - val_loss: 5.0350 -
    val_mean_absolute_error: 1.5660
641 Epoch 273/800
642 - 0s - loss: 3.7552 - mean_absolute_error: 1.3975 - val_loss: 4.8099 -
    val_mean_absolute_error: 1.5532
643 Epoch 274/800
644 - 0s - loss: 3.7409 - mean_absolute_error: 1.4047 - val_loss: 4.8840 -
    val_mean_absolute_error: 1.5461
645 Epoch 275/800
646 - 0s - loss: 3.5532 - mean_absolute_error: 1.3805 - val_loss: 5.1845 -
    val_mean_absolute_error: 1.5893
647 Epoch 276/800
648 - 0s - loss: 3.7315 - mean_absolute_error: 1.3900 - val_loss: 5.2187 -
    val_mean_absolute_error: 1.6543
649 Epoch 277/800
650 - 0s - loss: 3.7618 - mean_absolute_error: 1.4040 - val_loss: 5.0631 -
    val_mean_absolute_error: 1.5813
651 Epoch 278/800
652 - 0s - loss: 3.5948 - mean_absolute_error: 1.3765 - val_loss: 5.0723 -
    val_mean_absolute_error: 1.5833
653 Epoch 279/800
654 - 0s - loss: 3.7495 - mean_absolute_error: 1.4120 - val_loss: 5.2294 -
    val_mean_absolute_error: 1.5721
655 Epoch 280/800
656 - 0s - loss: 3.7320 - mean_absolute_error: 1.3923 - val_loss: 4.9626 -
    val_mean_absolute_error: 1.5560
657 Epoch 281/800
658 - 0s - loss: 3.6859 - mean_absolute_error: 1.3892 - val_loss: 5.1007 -
    val_mean_absolute_error: 1.5656
659 Epoch 282/800
660 - 0s - loss: 3.6812 - mean_absolute_error: 1.3954 - val_loss: 4.8642 -
    val_mean_absolute_error: 1.5388
661 Epoch 283/800
662 - 0s - loss: 3.6444 - mean_absolute_error: 1.3754 - val_loss: 4.9858 -
    val_mean_absolute_error: 1.5722
```

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663 Epoch 284/800
664 - 0s - loss: 3.6470 - mean_absolute_error: 1.3903 - val_loss: 5.3080 -
    val_mean_absolute_error: 1.5946
665 Epoch 285/800
666 - 0s - loss: 3.6248 - mean_absolute_error: 1.3937 - val_loss: 5.3127 -
    val_mean_absolute_error: 1.6004
667 Epoch 286/800
668 - 0s - loss: 3.7359 - mean_absolute_error: 1.4124 - val_loss: 5.5651 -
    val_mean_absolute_error: 1.6095
669 Epoch 287/800
670 - 0s - loss: 3.5900 - mean_absolute_error: 1.3800 - val_loss: 6.0618 -
    val_mean_absolute_error: 1.6987
671 Epoch 288/800
672 - 0s - loss: 3.5906 - mean_absolute_error: 1.3756 - val_loss: 5.2061 -
    val_mean_absolute_error: 1.5693
673 Epoch 289/800
674 - 0s - loss: 3.5796 - mean_absolute_error: 1.3720 - val_loss: 5.4857 -
    val_mean_absolute_error: 1.5891
675 Epoch 290/800
676 - 0s - loss: 3.6695 - mean_absolute_error: 1.4064 - val_loss: 5.1975 -
    val_mean_absolute_error: 1.5554
677 Epoch 291/800
678 - 0s - loss: 3.5763 - mean_absolute_error: 1.3834 - val_loss: 5.0132 -
    val_mean_absolute_error: 1.5955
679 Epoch 292/800
680 - 0s - loss: 3.6116 - mean_absolute_error: 1.3779 - val_loss: 5.1636 -
    val_mean_absolute_error: 1.5846
681 Epoch 293/800
682 - 0s - loss: 3.7100 - mean_absolute_error: 1.3961 - val_loss: 5.3321 -
    val_mean_absolute_error: 1.6084
683 Epoch 294/800
684 - 0s - loss: 3.7078 - mean_absolute_error: 1.4042 - val_loss: 5.1717 -
    val_mean_absolute_error: 1.5871
685 Epoch 295/800
686 - 0s - loss: 3.6947 - mean_absolute_error: 1.3990 - val_loss: 5.0289 -
    val_mean_absolute_error: 1.5617
687 Epoch 296/800
688 - 0s - loss: 3.6290 - mean_absolute_error: 1.3952 - val_loss: 5.2372 -
    val_mean_absolute_error: 1.5879
689 Epoch 297/800
690 - 0s - loss: 3.6319 - mean_absolute_error: 1.3823 - val_loss: 4.9232 -
    val_mean_absolute_error: 1.5553
691 Epoch 298/800
692 - 0s - loss: 3.5327 - mean_absolute_error: 1.3642 - val_loss: 5.0296 -
    val_mean_absolute_error: 1.5760
693 Epoch 299/800
694 - 0s - loss: 3.6192 - mean_absolute_error: 1.3774 - val_loss: 5.0821 -
    val_mean_absolute_error: 1.6287
695 Epoch 300/800
696 - 0s - loss: 3.6803 - mean_absolute_error: 1.3999 - val_loss: 5.0012 -
    val_mean_absolute_error: 1.5457
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697 Epoch 301/800
698 - 0s - loss: 3.5664 - mean_absolute_error: 1.3612 - val_loss: 4.9919 -
    val_mean_absolute_error: 1.5381
699 Epoch 302/800
700 - 0s - loss: 3.6470 - mean_absolute_error: 1.3931 - val_loss: 4.9269 -
    val_mean_absolute_error: 1.5356
701 Epoch 303/800
702 - 0s - loss: 3.5869 - mean_absolute_error: 1.3750 - val_loss: 5.3000 -
    val_mean_absolute_error: 1.5884
703 Epoch 304/800
704 - 0s - loss: 3.5684 - mean_absolute_error: 1.3815 - val_loss: 5.0113 -
    val_mean_absolute_error: 1.5553
705 Epoch 305/800
706 - 0s - loss: 3.5956 - mean_absolute_error: 1.3740 - val_loss: 5.0604 -
    val_mean_absolute_error: 1.5793
707 Epoch 306/800
708 - 0s - loss: 3.6129 - mean_absolute_error: 1.3773 - val_loss: 5.0512 -
    val_mean_absolute_error: 1.5973
709 Epoch 307/800
710 - 0s - loss: 3.5448 - mean_absolute_error: 1.3725 - val_loss: 5.1765 -
    val_mean_absolute_error: 1.6313
711 Epoch 308/800
712 - 0s - loss: 3.6905 - mean_absolute_error: 1.3777 - val_loss: 5.0373 -
    val_mean_absolute_error: 1.5650
713 Epoch 309/800
714 - 0s - loss: 3.5395 - mean_absolute_error: 1.3654 - val_loss: 4.9279 -
    val_mean_absolute_error: 1.5382
715 Epoch 310/800
716 - 0s - loss: 3.5829 - mean_absolute_error: 1.3669 - val_loss: 5.1335 -
    val_mean_absolute_error: 1.6315
717 Epoch 311/800
718 - 0s - loss: 3.5941 - mean_absolute_error: 1.3789 - val_loss: 5.3547 -
    val_mean_absolute_error: 1.6387
719 Epoch 312/800
720 - 0s - loss: 3.6490 - mean_absolute_error: 1.3871 - val_loss: 5.0064 -
    val_mean_absolute_error: 1.5748
721 Epoch 313/800
722 - 0s - loss: 3.5901 - mean_absolute_error: 1.3809 - val_loss: 5.2954 -
    val_mean_absolute_error: 1.6057
723 Epoch 314/800
724 - 0s - loss: 3.6087 - mean_absolute_error: 1.3820 - val_loss: 5.0459 -
    val_mean_absolute_error: 1.5466
725 Epoch 315/800
726 - 0s - loss: 3.4108 - mean_absolute_error: 1.3429 - val_loss: 5.4952 -
    val_mean_absolute_error: 1.6072
727 Epoch 316/800
728 - 0s - loss: 3.4713 - mean_absolute_error: 1.3576 - val_loss: 5.0798 -
    val_mean_absolute_error: 1.6030
729 Epoch 317/800
730 - 0s - loss: 3.6947 - mean_absolute_error: 1.3996 - val_loss: 5.0709 -
    val_mean_absolute_error: 1.5716
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731 Epoch 318/800
732 - 0s - loss: 3.5885 - mean_absolute_error: 1.3703 - val_loss: 4.9723 -
    val_mean_absolute_error: 1.5689
733 Epoch 319/800
734 - 0s - loss: 3.5692 - mean_absolute_error: 1.3697 - val_loss: 5.3215 -
    val_mean_absolute_error: 1.5744
735 Epoch 320/800
736 - 0s - loss: 3.4879 - mean_absolute_error: 1.3627 - val_loss: 5.0001 -
    val_mean_absolute_error: 1.5628
737 Epoch 321/800
738 - 0s - loss: 3.6761 - mean_absolute_error: 1.3915 - val_loss: 5.1195 -
    val_mean_absolute_error: 1.5856
739 Epoch 322/800
740 - 0s - loss: 3.5637 - mean_absolute_error: 1.3785 - val_loss: 5.1445 -
    val_mean_absolute_error: 1.5909
741 Epoch 323/800
742 - 0s - loss: 3.5491 - mean_absolute_error: 1.3727 - val_loss: 5.1890 -
    val_mean_absolute_error: 1.6073
743 Epoch 324/800
744 - 0s - loss: 3.6829 - mean_absolute_error: 1.4039 - val_loss: 5.1210 -
    val_mean_absolute_error: 1.5876
745 Epoch 325/800
746 - 0s - loss: 3.5102 - mean_absolute_error: 1.3573 - val_loss: 5.1136 -
    val_mean_absolute_error: 1.5576
747 Epoch 326/800
748 - 0s - loss: 3.4512 - mean_absolute_error: 1.3535 - val_loss: 5.0169 -
    val_mean_absolute_error: 1.5890
749 Epoch 327/800
750 - 0s - loss: 3.5806 - mean_absolute_error: 1.3603 - val_loss: 4.9279 -
    val_mean_absolute_error: 1.5710
751 Epoch 328/800
752 - 0s - loss: 3.5749 - mean_absolute_error: 1.3741 - val_loss: 5.1205 -
    val_mean_absolute_error: 1.6116
753 Epoch 329/800
754 - 0s - loss: 3.5836 - mean_absolute_error: 1.3688 - val_loss: 5.0910 -
    val_mean_absolute_error: 1.5569
755 Epoch 330/800
756 - 0s - loss: 3.5056 - mean_absolute_error: 1.3551 - val_loss: 4.8071 -
    val_mean_absolute_error: 1.5678
757 Epoch 331/800
758 - 0s - loss: 3.4674 - mean_absolute_error: 1.3576 - val_loss: 4.8801 -
    val_mean_absolute_error: 1.5601
759 Epoch 332/800
760 - 0s - loss: 3.5899 - mean_absolute_error: 1.3864 - val_loss: 5.2438 -
    val_mean_absolute_error: 1.6215
761 Epoch 333/800
762 - 0s - loss: 3.4857 - mean_absolute_error: 1.3580 - val_loss: 5.0189 -
    val_mean_absolute_error: 1.5636
763 Epoch 334/800
764 - 0s - loss: 3.5427 - mean_absolute_error: 1.3583 - val_loss: 4.9294 -
    val_mean_absolute_error: 1.5726
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765 Epoch 335/800
766 - 0s - loss: 3.4075 - mean_absolute_error: 1.3456 - val_loss: 4.8091 -
    val_mean_absolute_error: 1.5118
767 Epoch 336/800
768 - 0s - loss: 3.5308 - mean_absolute_error: 1.3699 - val_loss: 5.2157 -
    val_mean_absolute_error: 1.5829
769 Epoch 337/800
770 - 0s - loss: 3.4191 - mean_absolute_error: 1.3513 - val_loss: 6.4958 -
    val_mean_absolute_error: 1.7516
771 Epoch 338/800
772 - 0s - loss: 3.5255 - mean_absolute_error: 1.3642 - val_loss: 5.4947 -
    val_mean_absolute_error: 1.7008
773 Epoch 339/800
774 - 0s - loss: 3.4730 - mean_absolute_error: 1.3553 - val_loss: 5.1861 -
    val_mean_absolute_error: 1.6111
775 Epoch 340/800
776 - 0s - loss: 3.5760 - mean_absolute_error: 1.3769 - val_loss: 4.9594 -
    val_mean_absolute_error: 1.5565
777 Epoch 341/800
778 - 0s - loss: 3.3841 - mean_absolute_error: 1.3417 - val_loss: 5.0480 -
    val_mean_absolute_error: 1.5675
779 Epoch 342/800
780 - 0s - loss: 3.4752 - mean_absolute_error: 1.3518 - val_loss: 5.1590 -
    val_mean_absolute_error: 1.5862
781 Epoch 343/800
782 - 0s - loss: 3.3921 - mean_absolute_error: 1.3459 - val_loss: 5.4390 -
    val_mean_absolute_error: 1.6211
783 Epoch 344/800
784 - 0s - loss: 3.4637 - mean_absolute_error: 1.3550 - val_loss: 5.1800 -
    val_mean_absolute_error: 1.5693
785 Epoch 345/800
786 - 0s - loss: 3.5224 - mean_absolute_error: 1.3639 - val_loss: 5.1398 -
    val_mean_absolute_error: 1.6323
787 Epoch 346/800
788 - 0s - loss: 3.4339 - mean_absolute_error: 1.3622 - val_loss: 5.1325 -
    val_mean_absolute_error: 1.5949
789 Epoch 347/800
790 - 0s - loss: 3.5267 - mean_absolute_error: 1.3571 - val_loss: 5.0523 -
    val_mean_absolute_error: 1.6029
791 Epoch 348/800
792 - 0s - loss: 3.5110 - mean_absolute_error: 1.3571 - val_loss: 5.1938 -
    val_mean_absolute_error: 1.5909
793 Epoch 349/800
794 - 0s - loss: 3.4070 - mean_absolute_error: 1.3497 - val_loss: 5.0943 -
    val_mean_absolute_error: 1.5767
795 Epoch 350/800
796 - 0s - loss: 3.3614 - mean_absolute_error: 1.3266 - val_loss: 4.8694 -
    val_mean_absolute_error: 1.5684
797 Epoch 351/800
798 - 0s - loss: 3.5422 - mean_absolute_error: 1.3698 - val_loss: 5.1103 -
    val_mean_absolute_error: 1.5607
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799 Epoch 352/800
800 - 0s - loss: 3.4035 - mean_absolute_error: 1.3404 - val_loss: 5.0729 -
    val_mean_absolute_error: 1.6183
801 Epoch 353/800
802 - 0s - loss: 3.5058 - mean_absolute_error: 1.3661 - val_loss: 5.3512 -
    val_mean_absolute_error: 1.6296
803 Epoch 354/800
804 - 0s - loss: 3.5476 - mean_absolute_error: 1.3710 - val_loss: 5.1169 -
    val_mean_absolute_error: 1.5527
805 Epoch 355/800
806 - 0s - loss: 3.4526 - mean_absolute_error: 1.3580 - val_loss: 5.7030 -
    val_mean_absolute_error: 1.6606
807 Epoch 356/800
808 - 0s - loss: 3.4845 - mean_absolute_error: 1.3611 - val_loss: 4.9356 -
    val_mean_absolute_error: 1.5642
809 Epoch 357/800
810 - 0s - loss: 3.3433 - mean_absolute_error: 1.3479 - val_loss: 5.1824 -
    val_mean_absolute_error: 1.5874
811 Epoch 358/800
812 - 0s - loss: 3.4295 - mean_absolute_error: 1.3492 - val_loss: 5.1370 -
    val_mean_absolute_error: 1.5713
813 Epoch 359/800
814 - 0s - loss: 3.3401 - mean_absolute_error: 1.3396 - val_loss: 5.2268 -
    val_mean_absolute_error: 1.6012
815 Epoch 360/800
816 - 0s - loss: 3.5868 - mean_absolute_error: 1.3793 - val_loss: 5.2142 -
    val_mean_absolute_error: 1.6189
817 Epoch 361/800
818 - 0s - loss: 3.4089 - mean_absolute_error: 1.3372 - val_loss: 5.0697 -
    val_mean_absolute_error: 1.5827
819 Epoch 362/800
820 - 0s - loss: 3.3958 - mean_absolute_error: 1.3390 - val_loss: 5.2556 -
    val_mean_absolute_error: 1.5794
821 Epoch 363/800
822 - 0s - loss: 3.5000 - mean_absolute_error: 1.3549 - val_loss: 5.1623 -
    val_mean_absolute_error: 1.5928
823 Epoch 364/800
824 - 0s - loss: 3.4193 - mean_absolute_error: 1.3496 - val_loss: 5.5130 -
    val_mean_absolute_error: 1.6986
825 Epoch 365/800
826 - 0s - loss: 3.4670 - mean_absolute_error: 1.3536 - val_loss: 5.2277 -
    val_mean_absolute_error: 1.5836
827 Epoch 366/800
828 - 0s - loss: 3.3395 - mean_absolute_error: 1.3318 - val_loss: 5.1596 -
    val_mean_absolute_error: 1.5847
829 Epoch 367/800
830 - 0s - loss: 3.4486 - mean_absolute_error: 1.3503 - val_loss: 5.3597 -
    val_mean_absolute_error: 1.6209
831 Epoch 368/800
832 - 0s - loss: 3.3671 - mean_absolute_error: 1.3297 - val_loss: 5.2669 -
    val_mean_absolute_error: 1.6586
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833 Epoch 369/800
834 - 0s - loss: 3.3565 - mean_absolute_error: 1.3408 - val_loss: 5.4356 -
      val_mean_absolute_error: 1.6190
835 Epoch 370/800
836 - 0s - loss: 3.3982 - mean_absolute_error: 1.3506 - val_loss: 5.3102 -
      val_mean_absolute_error: 1.5813
837 Epoch 371/800
838 - 0s - loss: 3.3208 - mean_absolute_error: 1.3284 - val_loss: 5.1164 -
      val_mean_absolute_error: 1.5813
839 Epoch 372/800
840 - 0s - loss: 3.5131 - mean_absolute_error: 1.3631 - val_loss: 5.2494 -
      val_mean_absolute_error: 1.5780
841 Epoch 373/800
842 - 0s - loss: 3.4321 - mean_absolute_error: 1.3443 - val_loss: 5.1129 -
      val_mean_absolute_error: 1.5945
843 Epoch 374/800
844 - 0s - loss: 3.4321 - mean_absolute_error: 1.3405 - val_loss: 4.9910 -
      val_mean_absolute_error: 1.5977
845 Epoch 375/800
846 - 0s - loss: 3.3480 - mean_absolute_error: 1.3386 - val_loss: 4.9583 -
      val_mean_absolute_error: 1.5438
847 Epoch 376/800
848 - 0s - loss: 3.3485 - mean_absolute_error: 1.3251 - val_loss: 5.2071 -
      val_mean_absolute_error: 1.6195
849 Epoch 377/800
850 - 0s - loss: 3.4255 - mean_absolute_error: 1.3449 - val_loss: 5.1217 -
      val_mean_absolute_error: 1.5854
851 Epoch 378/800
852 - 0s - loss: 3.4639 - mean_absolute_error: 1.3625 - val_loss: 5.1179 -
      val_mean_absolute_error: 1.6100
853 Epoch 379/800
854 - 0s - loss: 3.4308 - mean_absolute_error: 1.3458 - val_loss: 5.1612 -
      val_mean_absolute_error: 1.6026
855 Epoch 380/800
856 - 0s - loss: 3.3533 - mean_absolute_error: 1.3319 - val_loss: 5.0605 -
      val_mean_absolute_error: 1.6073
857 Epoch 381/800
858 - 0s - loss: 3.4522 - mean_absolute_error: 1.3559 - val_loss: 5.2765 -
      val_mean_absolute_error: 1.6058
859 Epoch 382/800
860 - 0s - loss: 3.4146 - mean_absolute_error: 1.3473 - val_loss: 5.0980 -
      val_mean_absolute_error: 1.5708
861 Epoch 383/800
862 - 0s - loss: 3.3975 - mean_absolute_error: 1.3384 - val_loss: 5.0633 -
      val_mean_absolute_error: 1.5886
863 Epoch 384/800
864 - 0s - loss: 3.3854 - mean_absolute_error: 1.3340 - val_loss: 5.5947 -
      val_mean_absolute_error: 1.6424
865 Epoch 385/800
866 - 0s - loss: 3.4226 - mean_absolute_error: 1.3402 - val_loss: 5.3892 -
      val_mean_absolute_error: 1.7058
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867 Epoch 386/800
868 - 0s - loss: 3.4458 - mean_absolute_error: 1.3475 - val_loss: 5.1059 -
      val_mean_absolute_error: 1.6225
869 Epoch 387/800
870 - 0s - loss: 3.2046 - mean_absolute_error: 1.2968 - val_loss: 5.3668 -
      val_mean_absolute_error: 1.5962
871 Epoch 388/800
872 - 0s - loss: 3.4545 - mean_absolute_error: 1.3470 - val_loss: 5.2325 -
      val_mean_absolute_error: 1.6561
873 Epoch 389/800
874 - 0s - loss: 3.3208 - mean_absolute_error: 1.3376 - val_loss: 5.2253 -
      val_mean_absolute_error: 1.6630
875 Epoch 390/800
876 - 0s - loss: 3.3068 - mean_absolute_error: 1.3321 - val_loss: 5.0570 -
      val_mean_absolute_error: 1.5891
877 Epoch 391/800
878 - 0s - loss: 3.3974 - mean_absolute_error: 1.3258 - val_loss: 4.9727 -
      val_mean_absolute_error: 1.5738
879 Epoch 392/800
880 - 0s - loss: 3.2436 - mean_absolute_error: 1.3135 - val_loss: 5.5182 -
      val_mean_absolute_error: 1.6431
881 Epoch 393/800
882 - 0s - loss: 3.3487 - mean_absolute_error: 1.3327 - val_loss: 5.1069 -
      val_mean_absolute_error: 1.5864
883 Epoch 394/800
884 - 0s - loss: 3.4641 - mean_absolute_error: 1.3515 - val_loss: 5.5072 -
      val_mean_absolute_error: 1.6049
885 Epoch 395/800
886 - 0s - loss: 3.4413 - mean_absolute_error: 1.3478 - val_loss: 4.9882 -
      val_mean_absolute_error: 1.6022
887 Epoch 396/800
888 - 0s - loss: 3.3946 - mean_absolute_error: 1.3362 - val_loss: 5.0156 -
      val_mean_absolute_error: 1.5737
889 Epoch 397/800
890 - 0s - loss: 3.3472 - mean_absolute_error: 1.3314 - val_loss: 5.2208 -
      val_mean_absolute_error: 1.6428
891 Epoch 398/800
892 - 0s - loss: 3.3464 - mean_absolute_error: 1.3268 - val_loss: 5.0826 -
      val_mean_absolute_error: 1.5864
893 Epoch 399/800
894 - 0s - loss: 3.3500 - mean_absolute_error: 1.3280 - val_loss: 5.3886 -
      val_mean_absolute_error: 1.6257
895 Epoch 400/800
896 - 0s - loss: 3.3012 - mean_absolute_error: 1.3264 - val_loss: 5.1130 -
      val_mean_absolute_error: 1.5941
897 Epoch 401/800
898 - 0s - loss: 3.3622 - mean_absolute_error: 1.3340 - val_loss: 5.3531 -
      val_mean_absolute_error: 1.6278
899 Epoch 402/800
900 - 0s - loss: 3.3629 - mean_absolute_error: 1.3358 - val_loss: 5.2359 -
      val_mean_absolute_error: 1.6272
```

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901 Epoch 403/800
902 - 0s - loss: 3.2852 - mean_absolute_error: 1.3308 - val_loss: 5.2532 -
  val_mean_absolute_error: 1.5857
903 Epoch 404/800
904 - 0s - loss: 3.2457 - mean_absolute_error: 1.3162 - val_loss: 5.6756 -
  val_mean_absolute_error: 1.6611
905 Epoch 405/800
906 - 0s - loss: 3.3240 - mean_absolute_error: 1.3207 - val_loss: 5.1492 -
  val_mean_absolute_error: 1.5893
907 Epoch 406/800
908 - 0s - loss: 3.3934 - mean_absolute_error: 1.3476 - val_loss: 5.1926 -
  val_mean_absolute_error: 1.5822
909 Epoch 407/800
910 - 0s - loss: 3.3313 - mean_absolute_error: 1.3304 - val_loss: 5.3839 -
  val_mean_absolute_error: 1.6227
911 Epoch 408/800
912 - 0s - loss: 3.3718 - mean_absolute_error: 1.3235 - val_loss: 5.1300 -
  val_mean_absolute_error: 1.6058
913 Epoch 409/800
914 - 0s - loss: 3.2848 - mean_absolute_error: 1.3130 - val_loss: 5.3863 -
  val_mean_absolute_error: 1.6568
915 Epoch 410/800
916 - 0s - loss: 3.3450 - mean_absolute_error: 1.3283 - val_loss: 5.4953 -
  val_mean_absolute_error: 1.6314
917 Epoch 411/800
918 - 0s - loss: 3.2638 - mean_absolute_error: 1.3182 - val_loss: 5.2787 -
  val_mean_absolute_error: 1.6261
919 Epoch 412/800
920 - 0s - loss: 3.3057 - mean_absolute_error: 1.3271 - val_loss: 5.2993 -
  val_mean_absolute_error: 1.6175
921 Epoch 413/800
922 - 0s - loss: 3.3840 - mean_absolute_error: 1.3388 - val_loss: 5.3074 -
  val_mean_absolute_error: 1.6042
923 Epoch 414/800
924 - 0s - loss: 3.2629 - mean_absolute_error: 1.3097 - val_loss: 5.7203 -
  val_mean_absolute_error: 1.6255
925 Epoch 415/800
926 - 0s - loss: 3.3188 - mean_absolute_error: 1.3179 - val_loss: 5.1421 -
  val_mean_absolute_error: 1.5889
927 Epoch 416/800
928 - 0s - loss: 3.2347 - mean_absolute_error: 1.3132 - val_loss: 5.4121 -
  val_mean_absolute_error: 1.6686
929 Epoch 417/800
930 - 0s - loss: 3.3180 - mean_absolute_error: 1.3245 - val_loss: 5.4749 -
  val_mean_absolute_error: 1.6228
931 Epoch 418/800
932 - 0s - loss: 3.1954 - mean_absolute_error: 1.3003 - val_loss: 5.4007 -
  val_mean_absolute_error: 1.6372
933 Epoch 419/800
934 - 0s - loss: 3.3400 - mean_absolute_error: 1.3369 - val_loss: 5.5474 -
  val_mean_absolute_error: 1.6635
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935 Epoch 420/800
936 - 0s - loss: 3.2375 - mean_absolute_error: 1.3122 - val_loss: 5.2525 -
    val_mean_absolute_error: 1.5947
937 Epoch 421/800
938 - 0s - loss: 3.2015 - mean_absolute_error: 1.2963 - val_loss: 5.1934 -
    val_mean_absolute_error: 1.6015
939 Epoch 422/800
940 - 0s - loss: 3.2635 - mean_absolute_error: 1.3101 - val_loss: 5.4655 -
    val_mean_absolute_error: 1.6345
941 Epoch 423/800
942 - 0s - loss: 3.1959 - mean_absolute_error: 1.3017 - val_loss: 5.2957 -
    val_mean_absolute_error: 1.6065
943 Epoch 424/800
944 - 0s - loss: 3.2898 - mean_absolute_error: 1.3309 - val_loss: 5.4722 -
    val_mean_absolute_error: 1.6209
945 Epoch 425/800
946 - 0s - loss: 3.1868 - mean_absolute_error: 1.3025 - val_loss: 5.3179 -
    val_mean_absolute_error: 1.6216
947 Epoch 426/800
948 - 0s - loss: 3.2302 - mean_absolute_error: 1.3037 - val_loss: 5.3497 -
    val_mean_absolute_error: 1.6326
949 Epoch 427/800
950 - 0s - loss: 3.2646 - mean_absolute_error: 1.3077 - val_loss: 5.2862 -
    val_mean_absolute_error: 1.5987
951 Epoch 428/800
952 - 0s - loss: 3.3180 - mean_absolute_error: 1.3308 - val_loss: 5.2663 -
    val_mean_absolute_error: 1.6007
953 Epoch 429/800
954 - 0s - loss: 3.3431 - mean_absolute_error: 1.3290 - val_loss: 5.2584 -
    val_mean_absolute_error: 1.6432
955 Epoch 430/800
956 - 0s - loss: 3.1898 - mean_absolute_error: 1.2985 - val_loss: 5.3465 -
    val_mean_absolute_error: 1.6247
957 Epoch 431/800
958 - 0s - loss: 3.3170 - mean_absolute_error: 1.3279 - val_loss: 5.2509 -
    val_mean_absolute_error: 1.5932
959 Epoch 432/800
960 - 0s - loss: 3.3588 - mean_absolute_error: 1.3397 - val_loss: 5.3041 -
    val_mean_absolute_error: 1.5792
961 Epoch 433/800
962 - 0s - loss: 3.1478 - mean_absolute_error: 1.2988 - val_loss: 5.2711 -
    val_mean_absolute_error: 1.6375
963 Epoch 434/800
964 - 0s - loss: 3.2012 - mean_absolute_error: 1.3053 - val_loss: 5.2647 -
    val_mean_absolute_error: 1.5964
965 Epoch 435/800
966 - 0s - loss: 3.3138 - mean_absolute_error: 1.3216 - val_loss: 5.3515 -
    val_mean_absolute_error: 1.6503
967 Epoch 436/800
968 - 0s - loss: 3.2981 - mean_absolute_error: 1.3264 - val_loss: 5.4919 -
    val_mean_absolute_error: 1.6858
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969 Epoch 437/800
970 - 0s - loss: 3.3145 - mean_absolute_error: 1.3179 - val_loss: 5.4915 -
    val_mean_absolute_error: 1.6063
971 Epoch 438/800
972 - 0s - loss: 3.1205 - mean_absolute_error: 1.3014 - val_loss: 5.5387 -
    val_mean_absolute_error: 1.6787
973 Epoch 439/800
974 - 0s - loss: 3.1869 - mean_absolute_error: 1.2958 - val_loss: 5.6657 -
    val_mean_absolute_error: 1.7520
975 Epoch 440/800
976 - 0s - loss: 3.2570 - mean_absolute_error: 1.3097 - val_loss: 5.2174 -
    val_mean_absolute_error: 1.6104
977 Epoch 441/800
978 - 0s - loss: 3.2522 - mean_absolute_error: 1.3079 - val_loss: 5.4883 -
    val_mean_absolute_error: 1.6109
979 Epoch 442/800
980 - 0s - loss: 3.2924 - mean_absolute_error: 1.3109 - val_loss: 5.1992 -
    val_mean_absolute_error: 1.6264
981 Epoch 443/800
982 - 0s - loss: 3.2200 - mean_absolute_error: 1.3131 - val_loss: 5.3148 -
    val_mean_absolute_error: 1.6243
983 Epoch 444/800
984 - 0s - loss: 3.1785 - mean_absolute_error: 1.2948 - val_loss: 5.5465 -
    val_mean_absolute_error: 1.6461
985 Epoch 445/800
986 - 0s - loss: 3.2158 - mean_absolute_error: 1.3064 - val_loss: 5.4243 -
    val_mean_absolute_error: 1.6098
987 Epoch 446/800
988 - 0s - loss: 3.1854 - mean_absolute_error: 1.2914 - val_loss: 5.3347 -
    val_mean_absolute_error: 1.6483
989 Epoch 447/800
990 - 0s - loss: 3.1498 - mean_absolute_error: 1.2910 - val_loss: 5.3530 -
    val_mean_absolute_error: 1.6209
991 Epoch 448/800
992 - 0s - loss: 3.1977 - mean_absolute_error: 1.3036 - val_loss: 5.3629 -
    val_mean_absolute_error: 1.6087
993 Epoch 449/800
994 - 0s - loss: 3.2405 - mean_absolute_error: 1.3132 - val_loss: 5.3649 -
    val_mean_absolute_error: 1.6454
995 Epoch 450/800
996 - 0s - loss: 3.2124 - mean_absolute_error: 1.3026 - val_loss: 5.5343 -
    val_mean_absolute_error: 1.6208
997 Epoch 451/800
998 - 0s - loss: 3.1517 - mean_absolute_error: 1.2957 - val_loss: 5.6476 -
    val_mean_absolute_error: 1.6277
999 Epoch 452/800
1000 - 0s - loss: 3.3566 - mean_absolute_error: 1.3346 - val_loss: 5.4842 -
    val_mean_absolute_error: 1.6073
1001 Epoch 453/800
1002 - 0s - loss: 3.1085 - mean_absolute_error: 1.2781 - val_loss: 5.2701 -
    val_mean_absolute_error: 1.6043
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1003 Epoch 454/800
1004 - 0s - loss: 3.2809 - mean_absolute_error: 1.3181 - val_loss: 5.5768 -
    val_mean_absolute_error: 1.7016
1005 Epoch 455/800
1006 - 0s - loss: 3.2386 - mean_absolute_error: 1.3197 - val_loss: 5.4657 -
    val_mean_absolute_error: 1.6208
1007 Epoch 456/800
1008 - 0s - loss: 3.1866 - mean_absolute_error: 1.3085 - val_loss: 5.3274 -
    val_mean_absolute_error: 1.6356
1009 Epoch 457/800
1010 - 0s - loss: 3.1826 - mean_absolute_error: 1.3069 - val_loss: 5.4456 -
    val_mean_absolute_error: 1.6070
1011 Epoch 458/800
1012 - 0s - loss: 3.1416 - mean_absolute_error: 1.3040 - val_loss: 5.3136 -
    val_mean_absolute_error: 1.6231
1013 Epoch 459/800
1014 - 0s - loss: 3.1646 - mean_absolute_error: 1.2939 - val_loss: 5.4391 -
    val_mean_absolute_error: 1.6794
1015 Epoch 460/800
1016 - 0s - loss: 3.2086 - mean_absolute_error: 1.3011 - val_loss: 5.2375 -
    val_mean_absolute_error: 1.6263
1017 Epoch 461/800
1018 - 0s - loss: 3.1174 - mean_absolute_error: 1.2880 - val_loss: 5.5779 -
    val_mean_absolute_error: 1.6347
1019 Epoch 462/800
1020 - 0s - loss: 3.1483 - mean_absolute_error: 1.3042 - val_loss: 5.3939 -
    val_mean_absolute_error: 1.6903
1021 Epoch 463/800
1022 - 0s - loss: 3.2453 - mean_absolute_error: 1.3218 - val_loss: 5.2034 -
    val_mean_absolute_error: 1.6214
1023 Epoch 464/800
1024 - 0s - loss: 3.1494 - mean_absolute_error: 1.2907 - val_loss: 5.7219 -
    val_mean_absolute_error: 1.6486
1025 Epoch 465/800
1026 - 0s - loss: 3.1259 - mean_absolute_error: 1.2895 - val_loss: 5.2628 -
    val_mean_absolute_error: 1.6022
1027 Epoch 466/800
1028 - 0s - loss: 3.2756 - mean_absolute_error: 1.3052 - val_loss: 5.4226 -
    val_mean_absolute_error: 1.6751
1029 Epoch 467/800
1030 - 0s - loss: 3.2154 - mean_absolute_error: 1.3101 - val_loss: 5.4633 -
    val_mean_absolute_error: 1.6194
1031 Epoch 468/800
1032 - 0s - loss: 3.1754 - mean_absolute_error: 1.2988 - val_loss: 5.4075 -
    val_mean_absolute_error: 1.6183
1033 Epoch 469/800
1034 - 0s - loss: 3.2005 - mean_absolute_error: 1.2962 - val_loss: 5.7495 -
    val_mean_absolute_error: 1.6463
1035 Epoch 470/800
1036 - 0s - loss: 3.1778 - mean_absolute_error: 1.2980 - val_loss: 5.3001 -
    val_mean_absolute_error: 1.6048
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1037 Epoch 471/800
1038 - 0s - loss: 3.2008 - mean_absolute_error: 1.3017 - val_loss: 5.5502 -
    val_mean_absolute_error: 1.6454
1039 Epoch 472/800
1040 - 0s - loss: 3.1358 - mean_absolute_error: 1.2934 - val_loss: 5.4516 -
    val_mean_absolute_error: 1.6369
1041 Epoch 473/800
1042 - 0s - loss: 3.1861 - mean_absolute_error: 1.3088 - val_loss: 5.4592 -
    val_mean_absolute_error: 1.6303
1043 Epoch 474/800
1044 - 0s - loss: 3.1287 - mean_absolute_error: 1.2922 - val_loss: 5.3081 -
    val_mean_absolute_error: 1.6250
1045 Epoch 475/800
1046 - 0s - loss: 3.2155 - mean_absolute_error: 1.3090 - val_loss: 5.3651 -
    val_mean_absolute_error: 1.5990
1047 Epoch 476/800
1048 - 0s - loss: 3.1947 - mean_absolute_error: 1.2965 - val_loss: 5.4360 -
    val_mean_absolute_error: 1.6510
1049 Epoch 477/800
1050 - 0s - loss: 3.0931 - mean_absolute_error: 1.2895 - val_loss: 5.6401 -
    val_mean_absolute_error: 1.6264
1051 Epoch 478/800
1052 - 0s - loss: 3.2144 - mean_absolute_error: 1.3117 - val_loss: 5.5050 -
    val_mean_absolute_error: 1.6235
1053 Epoch 479/800
1054 - 0s - loss: 3.1705 - mean_absolute_error: 1.2845 - val_loss: 5.4965 -
    val_mean_absolute_error: 1.6360
1055 Epoch 480/800
1056 - 0s - loss: 3.1145 - mean_absolute_error: 1.2948 - val_loss: 5.6998 -
    val_mean_absolute_error: 1.6490
1057 Epoch 481/800
1058 - 0s - loss: 3.1206 - mean_absolute_error: 1.2912 - val_loss: 5.5750 -
    val_mean_absolute_error: 1.6187
1059 Epoch 482/800
1060 - 0s - loss: 3.1555 - mean_absolute_error: 1.3038 - val_loss: 5.3873 -
    val_mean_absolute_error: 1.6009
1061 Epoch 483/800
1062 - 0s - loss: 3.1687 - mean_absolute_error: 1.3029 - val_loss: 5.3195 -
    val_mean_absolute_error: 1.6232
1063 Epoch 484/800
1064 - 0s - loss: 3.1804 - mean_absolute_error: 1.2936 - val_loss: 5.5225 -
    val_mean_absolute_error: 1.6334
1065 Epoch 485/800
1066 - 0s - loss: 3.1068 - mean_absolute_error: 1.2971 - val_loss: 5.5235 -
    val_mean_absolute_error: 1.6371
1067 Epoch 486/800
1068 - 0s - loss: 3.1350 - mean_absolute_error: 1.2946 - val_loss: 5.2387 -
    val_mean_absolute_error: 1.6076
1069 Epoch 487/800
1070 - 0s - loss: 3.1391 - mean_absolute_error: 1.3065 - val_loss: 5.6534 -
    val_mean_absolute_error: 1.6385
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1071 Epoch 488/800
1072 - 0s - loss: 3.1122 - mean_absolute_error: 1.2802 - val_loss: 5.6769 -
    val_mean_absolute_error: 1.7092
1073 Epoch 489/800
1074 - 0s - loss: 3.0568 - mean_absolute_error: 1.2834 - val_loss: 5.6101 -
    val_mean_absolute_error: 1.6311
1075 Epoch 490/800
1076 - 0s - loss: 3.1722 - mean_absolute_error: 1.2923 - val_loss: 5.6138 -
    val_mean_absolute_error: 1.6643
1077 Epoch 491/800
1078 - 0s - loss: 3.1764 - mean_absolute_error: 1.3008 - val_loss: 5.4626 -
    val_mean_absolute_error: 1.6202
1079 Epoch 492/800
1080 - 0s - loss: 3.0921 - mean_absolute_error: 1.2742 - val_loss: 6.0266 -
    val_mean_absolute_error: 1.7039
1081 Epoch 493/800
1082 - 0s - loss: 3.1851 - mean_absolute_error: 1.3013 - val_loss: 5.5922 -
    val_mean_absolute_error: 1.6428
1083 Epoch 494/800
1084 - 0s - loss: 3.1043 - mean_absolute_error: 1.2921 - val_loss: 5.2810 -
    val_mean_absolute_error: 1.5976
1085 Epoch 495/800
1086 - 0s - loss: 3.1412 - mean_absolute_error: 1.3000 - val_loss: 5.5025 -
    val_mean_absolute_error: 1.7000
1087 Epoch 496/800
1088 - 0s - loss: 3.0897 - mean_absolute_error: 1.2844 - val_loss: 5.4191 -
    val_mean_absolute_error: 1.6177
1089 Epoch 497/800
1090 - 0s - loss: 3.0879 - mean_absolute_error: 1.2801 - val_loss: 5.4828 -
    val_mean_absolute_error: 1.6926
1091 Epoch 498/800
1092 - 0s - loss: 3.1161 - mean_absolute_error: 1.2876 - val_loss: 5.4973 -
    val_mean_absolute_error: 1.6189
1093 Epoch 499/800
1094 - 0s - loss: 3.0880 - mean_absolute_error: 1.2835 - val_loss: 5.6154 -
    val_mean_absolute_error: 1.6548
1095 Epoch 500/800
1096 - 0s - loss: 3.1208 - mean_absolute_error: 1.2888 - val_loss: 5.7260 -
    val_mean_absolute_error: 1.6460
1097 Epoch 501/800
1098 - 0s - loss: 3.1282 - mean_absolute_error: 1.2953 - val_loss: 5.3858 -
    val_mean_absolute_error: 1.6356
1099 Epoch 502/800
1100 - 0s - loss: 3.0883 - mean_absolute_error: 1.2817 - val_loss: 5.4384 -
    val_mean_absolute_error: 1.6705
1101 Epoch 503/800
1102 - 0s - loss: 3.0269 - mean_absolute_error: 1.2670 - val_loss: 5.2931 -
    val_mean_absolute_error: 1.6155
1103 Epoch 504/800
1104 - 0s - loss: 3.0054 - mean_absolute_error: 1.2670 - val_loss: 5.4427 -
    val_mean_absolute_error: 1.6492
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1105 Epoch 505/800
1106 - 0s - loss: 3.0522 - mean_absolute_error: 1.2714 - val_loss: 5.2872 -
    val_mean_absolute_error: 1.6449
1107 Epoch 506/800
1108 - 0s - loss: 3.0466 - mean_absolute_error: 1.2771 - val_loss: 5.4349 -
    val_mean_absolute_error: 1.6470
1109 Epoch 507/800
1110 - 0s - loss: 3.0797 - mean_absolute_error: 1.2816 - val_loss: 5.4364 -
    val_mean_absolute_error: 1.6172
1111 Epoch 508/800
1112 - 0s - loss: 3.1184 - mean_absolute_error: 1.2948 - val_loss: 5.5896 -
    val_mean_absolute_error: 1.6420
1113 Epoch 509/800
1114 - 0s - loss: 3.0695 - mean_absolute_error: 1.2811 - val_loss: 5.6615 -
    val_mean_absolute_error: 1.6363
1115 Epoch 510/800
1116 - 0s - loss: 3.0906 - mean_absolute_error: 1.2811 - val_loss: 5.6617 -
    val_mean_absolute_error: 1.6990
1117 Epoch 511/800
1118 - 0s - loss: 3.1397 - mean_absolute_error: 1.2884 - val_loss: 5.6199 -
    val_mean_absolute_error: 1.6418
1119 Epoch 512/800
1120 - 0s - loss: 3.1559 - mean_absolute_error: 1.2894 - val_loss: 5.4453 -
    val_mean_absolute_error: 1.6373
1121 Epoch 513/800
1122 - 0s - loss: 2.9918 - mean_absolute_error: 1.2678 - val_loss: 5.6577 -
    val_mean_absolute_error: 1.6313
1123 Epoch 514/800
1124 - 0s - loss: 3.0658 - mean_absolute_error: 1.2796 - val_loss: 6.1813 -
    val_mean_absolute_error: 1.8520
1125 Epoch 515/800
1126 - 0s - loss: 3.0285 - mean_absolute_error: 1.2742 - val_loss: 5.5690 -
    val_mean_absolute_error: 1.6593
1127 Epoch 516/800
1128 - 0s - loss: 3.0631 - mean_absolute_error: 1.2847 - val_loss: 5.4480 -
    val_mean_absolute_error: 1.6308
1129 Epoch 517/800
1130 - 0s - loss: 3.1876 - mean_absolute_error: 1.3111 - val_loss: 5.4355 -
    val_mean_absolute_error: 1.6603
1131 Epoch 518/800
1132 - 0s - loss: 3.0213 - mean_absolute_error: 1.2716 - val_loss: 5.5412 -
    val_mean_absolute_error: 1.6861
1133 Epoch 519/800
1134 - 0s - loss: 3.0539 - mean_absolute_error: 1.2887 - val_loss: 5.5046 -
    val_mean_absolute_error: 1.6441
1135 Epoch 520/800
1136 - 0s - loss: 3.0213 - mean_absolute_error: 1.2731 - val_loss: 5.7206 -
    val_mean_absolute_error: 1.6586
1137 Epoch 521/800
1138 - 0s - loss: 3.1376 - mean_absolute_error: 1.2906 - val_loss: 5.4486 -
    val_mean_absolute_error: 1.6502
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1139 Epoch 522/800
1140 - 0s - loss: 3.0033 - mean_absolute_error: 1.2676 - val_loss: 5.4150 -
    val_mean_absolute_error: 1.6118
1141 Epoch 523/800
1142 - 0s - loss: 3.0455 - mean_absolute_error: 1.2760 - val_loss: 6.0111 -
    val_mean_absolute_error: 1.6621
1143 Epoch 524/800
1144 - 0s - loss: 3.0951 - mean_absolute_error: 1.2747 - val_loss: 5.5250 -
    val_mean_absolute_error: 1.6474
1145 Epoch 525/800
1146 - 0s - loss: 3.0128 - mean_absolute_error: 1.2651 - val_loss: 5.5489 -
    val_mean_absolute_error: 1.6319
1147 Epoch 526/800
1148 - 0s - loss: 3.0802 - mean_absolute_error: 1.2834 - val_loss: 5.6496 -
    val_mean_absolute_error: 1.6418
1149 Epoch 527/800
1150 - 0s - loss: 3.0737 - mean_absolute_error: 1.2793 - val_loss: 5.7072 -
    val_mean_absolute_error: 1.7238
1151 Epoch 528/800
1152 - 0s - loss: 3.1274 - mean_absolute_error: 1.2800 - val_loss: 5.4153 -
    val_mean_absolute_error: 1.6603
1153 Epoch 529/800
1154 - 0s - loss: 3.1193 - mean_absolute_error: 1.3013 - val_loss: 5.5113 -
    val_mean_absolute_error: 1.6343
1155 Epoch 530/800
1156 - 0s - loss: 3.1342 - mean_absolute_error: 1.2890 - val_loss: 5.7258 -
    val_mean_absolute_error: 1.6306
1157 Epoch 531/800
1158 - 0s - loss: 3.0517 - mean_absolute_error: 1.2653 - val_loss: 5.4923 -
    val_mean_absolute_error: 1.6317
1159 Epoch 532/800
1160 - 0s - loss: 3.1249 - mean_absolute_error: 1.2988 - val_loss: 5.6318 -
    val_mean_absolute_error: 1.6470
1161 Epoch 533/800
1162 - 0s - loss: 3.0616 - mean_absolute_error: 1.2801 - val_loss: 5.8785 -
    val_mean_absolute_error: 1.7292
1163 Epoch 534/800
1164 - 0s - loss: 3.0327 - mean_absolute_error: 1.2694 - val_loss: 5.5132 -
    val_mean_absolute_error: 1.6337
1165 Epoch 535/800
1166 - 0s - loss: 3.0168 - mean_absolute_error: 1.2724 - val_loss: 5.6814 -
    val_mean_absolute_error: 1.6468
1167 Epoch 536/800
1168 - 0s - loss: 3.0104 - mean_absolute_error: 1.2596 - val_loss: 5.5875 -
    val_mean_absolute_error: 1.6457
1169 Epoch 537/800
1170 - 0s - loss: 2.9676 - mean_absolute_error: 1.2633 - val_loss: 5.8066 -
    val_mean_absolute_error: 1.6674
1171 Epoch 538/800
1172 - 0s - loss: 3.1091 - mean_absolute_error: 1.2957 - val_loss: 5.6099 -
    val_mean_absolute_error: 1.6413
```

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1173 Epoch 539/800
1174 - 0s - loss: 3.0605 - mean_absolute_error: 1.2842 - val_loss: 5.5412 -
    val_mean_absolute_error: 1.6476
1175 Epoch 540/800
1176 - 0s - loss: 3.1814 - mean_absolute_error: 1.2913 - val_loss: 6.1923 -
    val_mean_absolute_error: 1.8700
1177 Epoch 541/800
1178 - 0s - loss: 3.0396 - mean_absolute_error: 1.2783 - val_loss: 5.7098 -
    val_mean_absolute_error: 1.6540
1179 Epoch 542/800
1180 - 0s - loss: 2.9843 - mean_absolute_error: 1.2738 - val_loss: 5.4209 -
    val_mean_absolute_error: 1.6264
1181 Epoch 543/800
1182 - 0s - loss: 3.1230 - mean_absolute_error: 1.2844 - val_loss: 5.5377 -
    val_mean_absolute_error: 1.6347
1183 Epoch 544/800
1184 - 0s - loss: 3.0832 - mean_absolute_error: 1.2734 - val_loss: 5.4521 -
    val_mean_absolute_error: 1.6374
1185 Epoch 545/800
1186 - 0s - loss: 3.0424 - mean_absolute_error: 1.2810 - val_loss: 5.7687 -
    val_mean_absolute_error: 1.6399
1187 Epoch 546/800
1188 - 0s - loss: 3.0952 - mean_absolute_error: 1.2746 - val_loss: 5.6371 -
    val_mean_absolute_error: 1.6463
1189 Epoch 547/800
1190 - 0s - loss: 3.0085 - mean_absolute_error: 1.2627 - val_loss: 6.2629 -
    val_mean_absolute_error: 1.8205
1191 Epoch 548/800
1192 - 0s - loss: 3.1535 - mean_absolute_error: 1.3015 - val_loss: 5.5547 -
    val_mean_absolute_error: 1.6925
1193 Epoch 549/800
1194 - 0s - loss: 2.9696 - mean_absolute_error: 1.2649 - val_loss: 5.5168 -
    val_mean_absolute_error: 1.6467
1195 Epoch 550/800
1196 - 0s - loss: 2.9967 - mean_absolute_error: 1.2627 - val_loss: 5.5371 -
    val_mean_absolute_error: 1.6714
1197 Epoch 551/800
1198 - 0s - loss: 2.9322 - mean_absolute_error: 1.2569 - val_loss: 5.6562 -
    val_mean_absolute_error: 1.6567
1199 Epoch 552/800
1200 - 0s - loss: 3.0334 - mean_absolute_error: 1.2669 - val_loss: 5.5219 -
    val_mean_absolute_error: 1.6594
1201 Epoch 553/800
1202 - 0s - loss: 3.0022 - mean_absolute_error: 1.2730 - val_loss: 5.7532 -
    val_mean_absolute_error: 1.6733
1203 Epoch 554/800
1204 - 0s - loss: 3.0212 - mean_absolute_error: 1.2669 - val_loss: 5.4861 -
    val_mean_absolute_error: 1.6828
1205 Epoch 555/800
1206 - 0s - loss: 3.0056 - mean_absolute_error: 1.2632 - val_loss: 5.7008 -
    val_mean_absolute_error: 1.6378
```

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1207 Epoch 556/800
1208 - 0s - loss: 2.9629 - mean_absolute_error: 1.2654 - val_loss: 5.6366 -
    val_mean_absolute_error: 1.6415
1209 Epoch 557/800
1210 - 0s - loss: 3.0899 - mean_absolute_error: 1.2745 - val_loss: 5.6472 -
    val_mean_absolute_error: 1.6698
1211 Epoch 558/800
1212 - 0s - loss: 3.0207 - mean_absolute_error: 1.2593 - val_loss: 5.8083 -
    val_mean_absolute_error: 1.6986
1213 Epoch 559/800
1214 - 0s - loss: 2.9668 - mean_absolute_error: 1.2562 - val_loss: 5.4822 -
    val_mean_absolute_error: 1.6332
1215 Epoch 560/800
1216 - 0s - loss: 3.0568 - mean_absolute_error: 1.2809 - val_loss: 5.6507 -
    val_mean_absolute_error: 1.6393
1217 Epoch 561/800
1218 - 0s - loss: 2.9887 - mean_absolute_error: 1.2622 - val_loss: 5.7860 -
    val_mean_absolute_error: 1.7072
1219 Epoch 562/800
1220 - 0s - loss: 3.0208 - mean_absolute_error: 1.2743 - val_loss: 5.5845 -
    val_mean_absolute_error: 1.6482
1221 Epoch 563/800
1222 - 0s - loss: 3.0385 - mean_absolute_error: 1.2651 - val_loss: 5.9071 -
    val_mean_absolute_error: 1.7314
1223 Epoch 564/800
1224 - 0s - loss: 3.0633 - mean_absolute_error: 1.2817 - val_loss: 5.5387 -
    val_mean_absolute_error: 1.6338
1225 Epoch 565/800
1226 - 0s - loss: 2.9479 - mean_absolute_error: 1.2595 - val_loss: 5.7146 -
    val_mean_absolute_error: 1.6784
1227 Epoch 566/800
1228 - 0s - loss: 2.9880 - mean_absolute_error: 1.2674 - val_loss: 5.6612 -
    val_mean_absolute_error: 1.6406
1229 Epoch 567/800
1230 - 0s - loss: 3.0141 - mean_absolute_error: 1.2730 - val_loss: 5.8248 -
    val_mean_absolute_error: 1.6761
1231 Epoch 568/800
1232 - 0s - loss: 2.9844 - mean_absolute_error: 1.2596 - val_loss: 5.8195 -
    val_mean_absolute_error: 1.7648
1233 Epoch 569/800
1234 - 0s - loss: 2.9865 - mean_absolute_error: 1.2653 - val_loss: 5.6128 -
    val_mean_absolute_error: 1.6251
1235 Epoch 570/800
1236 - 0s - loss: 2.9673 - mean_absolute_error: 1.2595 - val_loss: 6.2010 -
    val_mean_absolute_error: 1.8151
1237 Epoch 571/800
1238 - 0s - loss: 3.0090 - mean_absolute_error: 1.2676 - val_loss: 5.5263 -
    val_mean_absolute_error: 1.6541
1239 Epoch 572/800
1240 - 0s - loss: 3.0266 - mean_absolute_error: 1.2698 - val_loss: 5.6381 -
    val_mean_absolute_error: 1.6479
```

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1241 Epoch 573/800
1242 - 0s - loss: 2.9642 - mean_absolute_error: 1.2574 - val_loss: 5.7198 -
    val_mean_absolute_error: 1.6497
1243 Epoch 574/800
1244 - 0s - loss: 3.0615 - mean_absolute_error: 1.2768 - val_loss: 5.7383 -
    val_mean_absolute_error: 1.6644
1245 Epoch 575/800
1246 - 0s - loss: 3.0088 - mean_absolute_error: 1.2704 - val_loss: 5.8654 -
    val_mean_absolute_error: 1.6616
1247 Epoch 576/800
1248 - 0s - loss: 2.9870 - mean_absolute_error: 1.2692 - val_loss: 5.7428 -
    val_mean_absolute_error: 1.7195
1249 Epoch 577/800
1250 - 0s - loss: 2.9075 - mean_absolute_error: 1.2547 - val_loss: 5.7614 -
    val_mean_absolute_error: 1.7244
1251 Epoch 578/800
1252 - 0s - loss: 2.9132 - mean_absolute_error: 1.2491 - val_loss: 5.7691 -
    val_mean_absolute_error: 1.7684
1253 Epoch 579/800
1254 - 0s - loss: 2.9957 - mean_absolute_error: 1.2722 - val_loss: 5.8155 -
    val_mean_absolute_error: 1.7466
1255 Epoch 580/800
1256 - 0s - loss: 2.9720 - mean_absolute_error: 1.2475 - val_loss: 6.2086 -
    val_mean_absolute_error: 1.7294
1257 Epoch 581/800
1258 - 0s - loss: 3.0172 - mean_absolute_error: 1.2611 - val_loss: 5.7593 -
    val_mean_absolute_error: 1.6642
1259 Epoch 582/800
1260 - 0s - loss: 2.9592 - mean_absolute_error: 1.2551 - val_loss: 5.7181 -
    val_mean_absolute_error: 1.6725
1261 Epoch 583/800
1262 - 0s - loss: 2.9362 - mean_absolute_error: 1.2585 - val_loss: 5.7757 -
    val_mean_absolute_error: 1.6474
1263 Epoch 584/800
1264 - 0s - loss: 2.9392 - mean_absolute_error: 1.2580 - val_loss: 5.7095 -
    val_mean_absolute_error: 1.6664
1265 Epoch 585/800
1266 - 0s - loss: 2.8721 - mean_absolute_error: 1.2441 - val_loss: 5.7388 -
    val_mean_absolute_error: 1.6598
1267 Epoch 586/800
1268 - 0s - loss: 2.9511 - mean_absolute_error: 1.2554 - val_loss: 5.9385 -
    val_mean_absolute_error: 1.7389
1269 Epoch 587/800
1270 - 0s - loss: 2.9136 - mean_absolute_error: 1.2516 - val_loss: 5.7160 -
    val_mean_absolute_error: 1.6801
1271 Epoch 588/800
1272 - 0s - loss: 2.9153 - mean_absolute_error: 1.2470 - val_loss: 6.1963 -
    val_mean_absolute_error: 1.7043
1273 Epoch 589/800
1274 - 0s - loss: 2.9948 - mean_absolute_error: 1.2727 - val_loss: 5.6112 -
    val_mean_absolute_error: 1.6630
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1275 Epoch 590/800
1276 - 0s - loss: 2.8642 - mean_absolute_error: 1.2487 - val_loss: 5.6399 -
    val_mean_absolute_error: 1.6687
1277 Epoch 591/800
1278 - 0s - loss: 2.8623 - mean_absolute_error: 1.2408 - val_loss: 5.7301 -
    val_mean_absolute_error: 1.7294
1279 Epoch 592/800
1280 - 0s - loss: 2.9469 - mean_absolute_error: 1.2601 - val_loss: 5.7196 -
    val_mean_absolute_error: 1.7047
1281 Epoch 593/800
1282 - 0s - loss: 3.0223 - mean_absolute_error: 1.2661 - val_loss: 5.6299 -
    val_mean_absolute_error: 1.6519
1283 Epoch 594/800
1284 - 0s - loss: 2.9888 - mean_absolute_error: 1.2703 - val_loss: 6.2376 -
    val_mean_absolute_error: 1.7036
1285 Epoch 595/800
1286 - 0s - loss: 2.9043 - mean_absolute_error: 1.2536 - val_loss: 5.7255 -
    val_mean_absolute_error: 1.6765
1287 Epoch 596/800
1288 - 0s - loss: 2.9880 - mean_absolute_error: 1.2642 - val_loss: 5.5577 -
    val_mean_absolute_error: 1.6643
1289 Epoch 597/800
1290 - 0s - loss: 3.0249 - mean_absolute_error: 1.2772 - val_loss: 5.6983 -
    val_mean_absolute_error: 1.7009
1291 Epoch 598/800
1292 - 0s - loss: 2.9261 - mean_absolute_error: 1.2674 - val_loss: 5.8541 -
    val_mean_absolute_error: 1.6667
1293 Epoch 599/800
1294 - 0s - loss: 2.7880 - mean_absolute_error: 1.2240 - val_loss: 5.8212 -
    val_mean_absolute_error: 1.7239
1295 Epoch 600/800
1296 - 0s - loss: 3.1018 - mean_absolute_error: 1.2824 - val_loss: 5.9068 -
    val_mean_absolute_error: 1.7385
1297 Epoch 601/800
1298 - 0s - loss: 2.8773 - mean_absolute_error: 1.2469 - val_loss: 6.1650 -
    val_mean_absolute_error: 1.7435
1299 Epoch 602/800
1300 - 0s - loss: 2.9104 - mean_absolute_error: 1.2563 - val_loss: 5.6532 -
    val_mean_absolute_error: 1.6776
1301 Epoch 603/800
1302 - 0s - loss: 3.0044 - mean_absolute_error: 1.2590 - val_loss: 5.6203 -
    val_mean_absolute_error: 1.6716
1303 Epoch 604/800
1304 - 0s - loss: 2.9303 - mean_absolute_error: 1.2443 - val_loss: 5.6999 -
    val_mean_absolute_error: 1.6907
1305 Epoch 605/800
1306 - 0s - loss: 2.9299 - mean_absolute_error: 1.2660 - val_loss: 5.9884 -
    val_mean_absolute_error: 1.6702
1307 Epoch 606/800
1308 - 0s - loss: 2.9713 - mean_absolute_error: 1.2572 - val_loss: 5.9077 -
    val_mean_absolute_error: 1.6682
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1309 Epoch 607/800
1310 - 0s - loss: 2.9059 - mean_absolute_error: 1.2467 - val_loss: 5.8123 -
    val_mean_absolute_error: 1.7449
1311 Epoch 608/800
1312 - 0s - loss: 2.9300 - mean_absolute_error: 1.2599 - val_loss: 6.1588 -
    val_mean_absolute_error: 1.6908
1313 Epoch 609/800
1314 - 0s - loss: 2.8844 - mean_absolute_error: 1.2354 - val_loss: 5.7337 -
    val_mean_absolute_error: 1.7087
1315 Epoch 610/800
1316 - 0s - loss: 2.9435 - mean_absolute_error: 1.2508 - val_loss: 5.6159 -
    val_mean_absolute_error: 1.6507
1317 Epoch 611/800
1318 - 0s - loss: 2.9000 - mean_absolute_error: 1.2569 - val_loss: 5.4760 -
    val_mean_absolute_error: 1.6512
1319 Epoch 612/800
1320 - 0s - loss: 2.8778 - mean_absolute_error: 1.2327 - val_loss: 5.7773 -
    val_mean_absolute_error: 1.7103
1321 Epoch 613/800
1322 - 0s - loss: 2.8646 - mean_absolute_error: 1.2520 - val_loss: 5.6812 -
    val_mean_absolute_error: 1.7055
1323 Epoch 614/800
1324 - 0s - loss: 2.8965 - mean_absolute_error: 1.2566 - val_loss: 5.6982 -
    val_mean_absolute_error: 1.6511
1325 Epoch 615/800
1326 - 0s - loss: 2.8376 - mean_absolute_error: 1.2345 - val_loss: 5.6625 -
    val_mean_absolute_error: 1.6654
1327 Epoch 616/800
1328 - 0s - loss: 2.9021 - mean_absolute_error: 1.2402 - val_loss: 5.9153 -
    val_mean_absolute_error: 1.7078
1329 Epoch 617/800
1330 - 0s - loss: 2.9555 - mean_absolute_error: 1.2641 - val_loss: 5.6373 -
    val_mean_absolute_error: 1.6491
1331 Epoch 618/800
1332 - 0s - loss: 2.8922 - mean_absolute_error: 1.2312 - val_loss: 5.6674 -
    val_mean_absolute_error: 1.7031
1333 Epoch 619/800
1334 - 0s - loss: 2.9784 - mean_absolute_error: 1.2676 - val_loss: 5.6939 -
    val_mean_absolute_error: 1.6787
1335 Epoch 620/800
1336 - 0s - loss: 2.8113 - mean_absolute_error: 1.2289 - val_loss: 6.0051 -
    val_mean_absolute_error: 1.6896
1337 Epoch 621/800
1338 - 0s - loss: 2.9537 - mean_absolute_error: 1.2613 - val_loss: 5.7778 -
    val_mean_absolute_error: 1.6869
1339 Epoch 622/800
1340 - 0s - loss: 2.8608 - mean_absolute_error: 1.2370 - val_loss: 5.9495 -
    val_mean_absolute_error: 1.6747
1341 Epoch 623/800
1342 - 0s - loss: 2.8512 - mean_absolute_error: 1.2377 - val_loss: 5.6524 -
    val_mean_absolute_error: 1.6488
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1343 Epoch 624/800
1344 - 0s - loss: 2.8411 - mean_absolute_error: 1.2418 - val_loss: 5.9096 -
    val_mean_absolute_error: 1.6694
1345 Epoch 625/800
1346 - 0s - loss: 2.9196 - mean_absolute_error: 1.2501 - val_loss: 5.7384 -
    val_mean_absolute_error: 1.6600
1347 Epoch 626/800
1348 - 0s - loss: 2.8824 - mean_absolute_error: 1.2416 - val_loss: 5.5802 -
    val_mean_absolute_error: 1.6698
1349 Epoch 627/800
1350 - 0s - loss: 2.8497 - mean_absolute_error: 1.2332 - val_loss: 5.5567 -
    val_mean_absolute_error: 1.6658
1351 Epoch 628/800
1352 - 0s - loss: 2.8220 - mean_absolute_error: 1.2353 - val_loss: 5.5090 -
    val_mean_absolute_error: 1.6594
1353 Epoch 629/800
1354 - 0s - loss: 2.9562 - mean_absolute_error: 1.2583 - val_loss: 5.6990 -
    val_mean_absolute_error: 1.6674
1355 Epoch 630/800
1356 - 0s - loss: 2.8720 - mean_absolute_error: 1.2273 - val_loss: 5.7099 -
    val_mean_absolute_error: 1.6630
1357 Epoch 631/800
1358 - 0s - loss: 2.9915 - mean_absolute_error: 1.2603 - val_loss: 5.7119 -
    val_mean_absolute_error: 1.6880
1359 Epoch 632/800
1360 - 0s - loss: 2.9502 - mean_absolute_error: 1.2533 - val_loss: 5.9625 -
    val_mean_absolute_error: 1.7418
1361 Epoch 633/800
1362 - 0s - loss: 2.8624 - mean_absolute_error: 1.2348 - val_loss: 5.7599 -
    val_mean_absolute_error: 1.7074
1363 Epoch 634/800
1364 - 0s - loss: 2.8647 - mean_absolute_error: 1.2368 - val_loss: 5.8722 -
    val_mean_absolute_error: 1.6665
1365 Epoch 635/800
1366 - 0s - loss: 2.9044 - mean_absolute_error: 1.2397 - val_loss: 5.7561 -
    val_mean_absolute_error: 1.6834
1367 Epoch 636/800
1368 - 0s - loss: 2.9967 - mean_absolute_error: 1.2619 - val_loss: 5.4817 -
    val_mean_absolute_error: 1.6360
1369 Epoch 637/800
1370 - 0s - loss: 2.8528 - mean_absolute_error: 1.2210 - val_loss: 6.2028 -
    val_mean_absolute_error: 1.8051
1371 Epoch 638/800
1372 - 0s - loss: 2.9717 - mean_absolute_error: 1.2624 - val_loss: 5.7538 -
    val_mean_absolute_error: 1.6779
1373 Epoch 639/800
1374 - 0s - loss: 2.8453 - mean_absolute_error: 1.2255 - val_loss: 5.7656 -
    val_mean_absolute_error: 1.6725
1375 Epoch 640/800
1376 - 0s - loss: 2.8859 - mean_absolute_error: 1.2431 - val_loss: 6.2546 -
    val_mean_absolute_error: 1.7265
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1377 Epoch 641/800
1378 - 0s - loss: 2.8982 - mean_absolute_error: 1.2507 - val_loss: 5.8035 -
    val_mean_absolute_error: 1.6952
1379 Epoch 642/800
1380 - 0s - loss: 2.8475 - mean_absolute_error: 1.2392 - val_loss: 6.1049 -
    val_mean_absolute_error: 1.6927
1381 Epoch 643/800
1382 - 0s - loss: 2.9678 - mean_absolute_error: 1.2663 - val_loss: 5.5774 -
    val_mean_absolute_error: 1.6561
1383 Epoch 644/800
1384 - 0s - loss: 2.9873 - mean_absolute_error: 1.2596 - val_loss: 5.8126 -
    val_mean_absolute_error: 1.6836
1385 Epoch 645/800
1386 - 0s - loss: 2.8042 - mean_absolute_error: 1.2247 - val_loss: 5.6384 -
    val_mean_absolute_error: 1.6775
1387 Epoch 646/800
1388 - 0s - loss: 2.8201 - mean_absolute_error: 1.2449 - val_loss: 6.1077 -
    val_mean_absolute_error: 1.6887
1389 Epoch 647/800
1390 - 0s - loss: 2.7965 - mean_absolute_error: 1.2260 - val_loss: 5.9627 -
    val_mean_absolute_error: 1.6805
1391 Epoch 648/800
1392 - 0s - loss: 2.8763 - mean_absolute_error: 1.2476 - val_loss: 6.1916 -
    val_mean_absolute_error: 1.8099
1393 Epoch 649/800
1394 - 0s - loss: 2.8865 - mean_absolute_error: 1.2429 - val_loss: 5.6910 -
    val_mean_absolute_error: 1.6838
1395 Epoch 650/800
1396 - 0s - loss: 2.8380 - mean_absolute_error: 1.2376 - val_loss: 6.0382 -
    val_mean_absolute_error: 1.6912
1397 Epoch 651/800
1398 - 0s - loss: 2.9441 - mean_absolute_error: 1.2549 - val_loss: 5.7420 -
    val_mean_absolute_error: 1.6667
1399 Epoch 652/800
1400 - 0s - loss: 2.7714 - mean_absolute_error: 1.2263 - val_loss: 5.8546 -
    val_mean_absolute_error: 1.6773
1401 Epoch 653/800
1402 - 0s - loss: 2.8820 - mean_absolute_error: 1.2448 - val_loss: 5.8496 -
    val_mean_absolute_error: 1.6773
1403 Epoch 654/800
1404 - 0s - loss: 2.8670 - mean_absolute_error: 1.2555 - val_loss: 5.7256 -
    val_mean_absolute_error: 1.6620
1405 Epoch 655/800
1406 - 0s - loss: 2.8553 - mean_absolute_error: 1.2382 - val_loss: 6.0390 -
    val_mean_absolute_error: 1.6919
1407 Epoch 656/800
1408 - 0s - loss: 2.8254 - mean_absolute_error: 1.2300 - val_loss: 5.7687 -
    val_mean_absolute_error: 1.6687
1409 Epoch 657/800
1410 - 0s - loss: 2.8903 - mean_absolute_error: 1.2628 - val_loss: 5.9454 -
    val_mean_absolute_error: 1.6833
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1411 Epoch 658/800
1412 - 0s - loss: 2.9136 - mean_absolute_error: 1.2468 - val_loss: 5.8253 -
    val_mean_absolute_error: 1.6800
1413 Epoch 659/800
1414 - 0s - loss: 2.7453 - mean_absolute_error: 1.2170 - val_loss: 6.3633 -
    val_mean_absolute_error: 1.7173
1415 Epoch 660/800
1416 - 0s - loss: 2.9282 - mean_absolute_error: 1.2531 - val_loss: 6.2670 -
    val_mean_absolute_error: 1.7006
1417 Epoch 661/800
1418 - 0s - loss: 2.7916 - mean_absolute_error: 1.2170 - val_loss: 5.6786 -
    val_mean_absolute_error: 1.6732
1419 Epoch 662/800
1420 - 0s - loss: 2.8480 - mean_absolute_error: 1.2373 - val_loss: 5.8951 -
    val_mean_absolute_error: 1.7046
1421 Epoch 663/800
1422 - 0s - loss: 2.8491 - mean_absolute_error: 1.2357 - val_loss: 5.9038 -
    val_mean_absolute_error: 1.7178
1423 Epoch 664/800
1424 - 0s - loss: 2.9436 - mean_absolute_error: 1.2609 - val_loss: 5.8417 -
    val_mean_absolute_error: 1.7005
1425 Epoch 665/800
1426 - 0s - loss: 2.7518 - mean_absolute_error: 1.2131 - val_loss: 6.3115 -
    val_mean_absolute_error: 1.7809
1427 Epoch 666/800
1428 - 0s - loss: 2.8187 - mean_absolute_error: 1.2242 - val_loss: 6.0322 -
    val_mean_absolute_error: 1.7332
1429 Epoch 667/800
1430 - 0s - loss: 2.8442 - mean_absolute_error: 1.2453 - val_loss: 5.6657 -
    val_mean_absolute_error: 1.6629
1431 Epoch 668/800
1432 - 0s - loss: 2.7789 - mean_absolute_error: 1.2134 - val_loss: 6.3478 -
    val_mean_absolute_error: 1.8354
1433 Epoch 669/800
1434 - 0s - loss: 2.8801 - mean_absolute_error: 1.2396 - val_loss: 5.7451 -
    val_mean_absolute_error: 1.6661
1435 Epoch 670/800
1436 - 0s - loss: 2.8396 - mean_absolute_error: 1.2386 - val_loss: 5.8274 -
    val_mean_absolute_error: 1.6786
1437 Epoch 671/800
1438 - 0s - loss: 2.7626 - mean_absolute_error: 1.2227 - val_loss: 5.6966 -
    val_mean_absolute_error: 1.6716
1439 Epoch 672/800
1440 - 0s - loss: 2.8885 - mean_absolute_error: 1.2471 - val_loss: 5.7400 -
    val_mean_absolute_error: 1.6720
1441 Epoch 673/800
1442 - 0s - loss: 2.7337 - mean_absolute_error: 1.2192 - val_loss: 5.7428 -
    val_mean_absolute_error: 1.6903
1443 Epoch 674/800
1444 - 0s - loss: 2.8631 - mean_absolute_error: 1.2356 - val_loss: 6.0630 -
    val_mean_absolute_error: 1.7678
```

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1445 Epoch 675/800
1446 - 0s - loss: 2.8247 - mean_absolute_error: 1.2245 - val_loss: 6.1046 -
    val_mean_absolute_error: 1.6759
1447 Epoch 676/800
1448 - 0s - loss: 2.7623 - mean_absolute_error: 1.2343 - val_loss: 5.8574 -
    val_mean_absolute_error: 1.6690
1449 Epoch 677/800
1450 - 0s - loss: 2.8792 - mean_absolute_error: 1.2350 - val_loss: 5.7643 -
    val_mean_absolute_error: 1.6438
1451 Epoch 678/800
1452 - 0s - loss: 2.7843 - mean_absolute_error: 1.2276 - val_loss: 5.8463 -
    val_mean_absolute_error: 1.6590
1453 Epoch 679/800
1454 - 0s - loss: 2.8112 - mean_absolute_error: 1.2365 - val_loss: 6.0318 -
    val_mean_absolute_error: 1.6823
1455 Epoch 680/800
1456 - 0s - loss: 2.8757 - mean_absolute_error: 1.2449 - val_loss: 5.9948 -
    val_mean_absolute_error: 1.7081
1457 Epoch 681/800
1458 - 0s - loss: 2.9187 - mean_absolute_error: 1.2551 - val_loss: 5.7160 -
    val_mean_absolute_error: 1.6639
1459 Epoch 682/800
1460 - 0s - loss: 2.7735 - mean_absolute_error: 1.2261 - val_loss: 5.7645 -
    val_mean_absolute_error: 1.6919
1461 Epoch 683/800
1462 - 0s - loss: 2.8531 - mean_absolute_error: 1.2382 - val_loss: 6.3777 -
    val_mean_absolute_error: 1.8410
1463 Epoch 684/800
1464 - 0s - loss: 2.8667 - mean_absolute_error: 1.2432 - val_loss: 5.8028 -
    val_mean_absolute_error: 1.6887
1465 Epoch 685/800
1466 - 0s - loss: 2.8330 - mean_absolute_error: 1.2505 - val_loss: 6.0434 -
    val_mean_absolute_error: 1.6601
1467 Epoch 686/800
1468 - 0s - loss: 2.8574 - mean_absolute_error: 1.2365 - val_loss: 5.9379 -
    val_mean_absolute_error: 1.7273
1469 Epoch 687/800
1470 - 0s - loss: 2.8541 - mean_absolute_error: 1.2324 - val_loss: 5.7495 -
    val_mean_absolute_error: 1.6833
1471 Epoch 688/800
1472 - 0s - loss: 2.8908 - mean_absolute_error: 1.2532 - val_loss: 5.6031 -
    val_mean_absolute_error: 1.6558
1473 Epoch 689/800
1474 - 0s - loss: 2.8454 - mean_absolute_error: 1.2326 - val_loss: 5.8960 -
    val_mean_absolute_error: 1.6549
1475 Epoch 690/800
1476 - 0s - loss: 2.7588 - mean_absolute_error: 1.2196 - val_loss: 6.0814 -
    val_mean_absolute_error: 1.6844
1477 Epoch 691/800
1478 - 0s - loss: 2.9389 - mean_absolute_error: 1.2506 - val_loss: 5.8326 -
    val_mean_absolute_error: 1.6676
```

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1479 Epoch 692/800
1480 - 0s - loss: 2.8035 - mean_absolute_error: 1.2279 - val_loss: 5.9997 -
    val_mean_absolute_error: 1.7548
1481 Epoch 693/800
1482 - 0s - loss: 2.8845 - mean_absolute_error: 1.2494 - val_loss: 5.7955 -
    val_mean_absolute_error: 1.6976
1483 Epoch 694/800
1484 - 0s - loss: 2.7863 - mean_absolute_error: 1.2319 - val_loss: 5.6878 -
    val_mean_absolute_error: 1.6667
1485 Epoch 695/800
1486 - 0s - loss: 2.8360 - mean_absolute_error: 1.2381 - val_loss: 5.7887 -
    val_mean_absolute_error: 1.6826
1487 Epoch 696/800
1488 - 0s - loss: 2.7671 - mean_absolute_error: 1.2224 - val_loss: 5.7651 -
    val_mean_absolute_error: 1.6821
1489 Epoch 697/800
1490 - 0s - loss: 2.8167 - mean_absolute_error: 1.2289 - val_loss: 5.9276 -
    val_mean_absolute_error: 1.6818
1491 Epoch 698/800
1492 - 0s - loss: 2.7120 - mean_absolute_error: 1.2036 - val_loss: 5.9914 -
    val_mean_absolute_error: 1.7380
1493 Epoch 699/800
1494 - 0s - loss: 2.8064 - mean_absolute_error: 1.2330 - val_loss: 6.1651 -
    val_mean_absolute_error: 1.7942
1495 Epoch 700/800
1496 - 0s - loss: 2.8687 - mean_absolute_error: 1.2421 - val_loss: 5.7553 -
    val_mean_absolute_error: 1.6502
1497 Epoch 701/800
1498 - 0s - loss: 2.8589 - mean_absolute_error: 1.2398 - val_loss: 6.4052 -
    val_mean_absolute_error: 1.7107
1499 Epoch 702/800
1500 - 0s - loss: 2.8169 - mean_absolute_error: 1.2342 - val_loss: 5.9915 -
    val_mean_absolute_error: 1.7074
1501 Epoch 703/800
1502 - 0s - loss: 2.8707 - mean_absolute_error: 1.2378 - val_loss: 6.0474 -
    val_mean_absolute_error: 1.6878
1503 Epoch 704/800
1504 - 0s - loss: 2.7642 - mean_absolute_error: 1.2186 - val_loss: 5.8104 -
    val_mean_absolute_error: 1.6617
1505 Epoch 705/800
1506 - 0s - loss: 2.8554 - mean_absolute_error: 1.2485 - val_loss: 6.0471 -
    val_mean_absolute_error: 1.6532
1507 Epoch 706/800
1508 - 0s - loss: 2.7695 - mean_absolute_error: 1.2222 - val_loss: 6.1447 -
    val_mean_absolute_error: 1.6856
1509 Epoch 707/800
1510 - 0s - loss: 2.7397 - mean_absolute_error: 1.2121 - val_loss: 5.9417 -
    val_mean_absolute_error: 1.6755
1511 Epoch 708/800
1512 - 0s - loss: 2.7598 - mean_absolute_error: 1.2222 - val_loss: 5.9093 -
    val_mean_absolute_error: 1.6929
```

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1513 Epoch 709/800
1514 - 0s - loss: 2.7241 - mean_absolute_error: 1.2165 - val_loss: 6.2993 -
    val_mean_absolute_error: 1.7064
1515 Epoch 710/800
1516 - 0s - loss: 2.8280 - mean_absolute_error: 1.2376 - val_loss: 6.0475 -
    val_mean_absolute_error: 1.7519
1517 Epoch 711/800
1518 - 0s - loss: 2.7449 - mean_absolute_error: 1.2231 - val_loss: 5.8539 -
    val_mean_absolute_error: 1.6673
1519 Epoch 712/800
1520 - 0s - loss: 2.8386 - mean_absolute_error: 1.2410 - val_loss: 5.8176 -
    val_mean_absolute_error: 1.6741
1521 Epoch 713/800
1522 - 0s - loss: 2.8194 - mean_absolute_error: 1.2342 - val_loss: 5.8390 -
    val_mean_absolute_error: 1.6922
1523 Epoch 714/800
1524 - 0s - loss: 2.7267 - mean_absolute_error: 1.2218 - val_loss: 6.0309 -
    val_mean_absolute_error: 1.7141
1525 Epoch 715/800
1526 - 0s - loss: 2.7922 - mean_absolute_error: 1.2221 - val_loss: 6.0135 -
    val_mean_absolute_error: 1.6983
1527 Epoch 716/800
1528 - 0s - loss: 2.7954 - mean_absolute_error: 1.2323 - val_loss: 5.9438 -
    val_mean_absolute_error: 1.7041
1529 Epoch 717/800
1530 - 0s - loss: 2.6604 - mean_absolute_error: 1.1973 - val_loss: 5.9675 -
    val_mean_absolute_error: 1.6963
1531 Epoch 718/800
1532 - 0s - loss: 2.7800 - mean_absolute_error: 1.2262 - val_loss: 6.3720 -
    val_mean_absolute_error: 1.7101
1533 Epoch 719/800
1534 - 0s - loss: 2.7452 - mean_absolute_error: 1.2130 - val_loss: 5.6937 -
    val_mean_absolute_error: 1.6891
1535 Epoch 720/800
1536 - 0s - loss: 2.7606 - mean_absolute_error: 1.2179 - val_loss: 5.7903 -
    val_mean_absolute_error: 1.6928
1537 Epoch 721/800
1538 - 0s - loss: 2.7883 - mean_absolute_error: 1.2236 - val_loss: 6.0112 -
    val_mean_absolute_error: 1.7265
1539 Epoch 722/800
1540 - 0s - loss: 2.7675 - mean_absolute_error: 1.2164 - val_loss: 6.2504 -
    val_mean_absolute_error: 1.7417
1541 Epoch 723/800
1542 - 0s - loss: 2.8498 - mean_absolute_error: 1.2433 - val_loss: 6.1139 -
    val_mean_absolute_error: 1.7585
1543 Epoch 724/800
1544 - 0s - loss: 2.7710 - mean_absolute_error: 1.2222 - val_loss: 5.8231 -
    val_mean_absolute_error: 1.6604
1545 Epoch 725/800
1546 - 0s - loss: 2.8563 - mean_absolute_error: 1.2438 - val_loss: 6.1819 -
    val_mean_absolute_error: 1.7597
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1547 Epoch 726/800
1548 - 0s - loss: 2.8164 - mean_absolute_error: 1.2360 - val_loss: 5.8576 -
    val_mean_absolute_error: 1.6900
1549 Epoch 727/800
1550 - 0s - loss: 2.7307 - mean_absolute_error: 1.2113 - val_loss: 5.8981 -
    val_mean_absolute_error: 1.6679
1551 Epoch 728/800
1552 - 0s - loss: 2.8416 - mean_absolute_error: 1.2424 - val_loss: 5.8829 -
    val_mean_absolute_error: 1.6830
1553 Epoch 729/800
1554 - 0s - loss: 2.8555 - mean_absolute_error: 1.2443 - val_loss: 5.6955 -
    val_mean_absolute_error: 1.6880
1555 Epoch 730/800
1556 - 0s - loss: 2.7490 - mean_absolute_error: 1.2200 - val_loss: 6.1770 -
    val_mean_absolute_error: 1.7023
1557 Epoch 731/800
1558 - 0s - loss: 2.7363 - mean_absolute_error: 1.2190 - val_loss: 6.1050 -
    val_mean_absolute_error: 1.7536
1559 Epoch 732/800
1560 - 0s - loss: 2.8038 - mean_absolute_error: 1.2263 - val_loss: 5.9069 -
    val_mean_absolute_error: 1.6738
1561 Epoch 733/800
1562 - 0s - loss: 2.7958 - mean_absolute_error: 1.2257 - val_loss: 6.1573 -
    val_mean_absolute_error: 1.6964
1563 Epoch 734/800
1564 - 0s - loss: 2.8175 - mean_absolute_error: 1.2192 - val_loss: 6.0142 -
    val_mean_absolute_error: 1.7202
1565 Epoch 735/800
1566 - 0s - loss: 2.8230 - mean_absolute_error: 1.2327 - val_loss: 5.9424 -
    val_mean_absolute_error: 1.6809
1567 Epoch 736/800
1568 - 0s - loss: 2.7593 - mean_absolute_error: 1.2148 - val_loss: 6.4611 -
    val_mean_absolute_error: 1.7025
1569 Epoch 737/800
1570 - 0s - loss: 2.8465 - mean_absolute_error: 1.2428 - val_loss: 6.0043 -
    val_mean_absolute_error: 1.6775
1571 Epoch 738/800
1572 - 0s - loss: 2.7525 - mean_absolute_error: 1.2255 - val_loss: 5.9544 -
    val_mean_absolute_error: 1.7104
1573 Epoch 739/800
1574 - 0s - loss: 2.7112 - mean_absolute_error: 1.2002 - val_loss: 6.1031 -
    val_mean_absolute_error: 1.7058
1575 Epoch 740/800
1576 - 0s - loss: 2.7383 - mean_absolute_error: 1.2167 - val_loss: 5.9653 -
    val_mean_absolute_error: 1.7340
1577 Epoch 741/800
1578 - 0s - loss: 2.7388 - mean_absolute_error: 1.2186 - val_loss: 6.2235 -
    val_mean_absolute_error: 1.7687
1579 Epoch 742/800
1580 - 0s - loss: 2.7456 - mean_absolute_error: 1.2167 - val_loss: 5.8843 -
    val_mean_absolute_error: 1.6727
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1581 Epoch 743/800
1582 - 0s - loss: 2.7832 - mean_absolute_error: 1.2337 - val_loss: 6.0363 -
    val_mean_absolute_error: 1.7157
1583 Epoch 744/800
1584 - 0s - loss: 2.7701 - mean_absolute_error: 1.2228 - val_loss: 5.9388 -
    val_mean_absolute_error: 1.6981
1585 Epoch 745/800
1586 - 0s - loss: 2.7023 - mean_absolute_error: 1.2144 - val_loss: 6.6294 -
    val_mean_absolute_error: 1.7513
1587 Epoch 746/800
1588 - 0s - loss: 2.8124 - mean_absolute_error: 1.2225 - val_loss: 5.8344 -
    val_mean_absolute_error: 1.6866
1589 Epoch 747/800
1590 - 0s - loss: 2.7480 - mean_absolute_error: 1.2202 - val_loss: 5.8619 -
    val_mean_absolute_error: 1.6787
1591 Epoch 748/800
1592 - 0s - loss: 2.8099 - mean_absolute_error: 1.2183 - val_loss: 6.1316 -
    val_mean_absolute_error: 1.6805
1593 Epoch 749/800
1594 - 0s - loss: 2.6947 - mean_absolute_error: 1.2075 - val_loss: 5.8067 -
    val_mean_absolute_error: 1.7193
1595 Epoch 750/800
1596 - 0s - loss: 2.7280 - mean_absolute_error: 1.2184 - val_loss: 5.7971 -
    val_mean_absolute_error: 1.6682
1597 Epoch 751/800
1598 - 0s - loss: 2.7488 - mean_absolute_error: 1.2225 - val_loss: 6.1318 -
    val_mean_absolute_error: 1.6831
1599 Epoch 752/800
1600 - 0s - loss: 2.7472 - mean_absolute_error: 1.2155 - val_loss: 5.8617 -
    val_mean_absolute_error: 1.7069
1601 Epoch 753/800
1602 - 0s - loss: 2.8280 - mean_absolute_error: 1.2422 - val_loss: 5.9188 -
    val_mean_absolute_error: 1.6969
1603 Epoch 754/800
1604 - 0s - loss: 2.7045 - mean_absolute_error: 1.2011 - val_loss: 5.8483 -
    val_mean_absolute_error: 1.6812
1605 Epoch 755/800
1606 - 0s - loss: 2.5981 - mean_absolute_error: 1.1818 - val_loss: 6.1297 -
    val_mean_absolute_error: 1.6923
1607 Epoch 756/800
1608 - 0s - loss: 2.8028 - mean_absolute_error: 1.2306 - val_loss: 6.3448 -
    val_mean_absolute_error: 1.7049
1609 Epoch 757/800
1610 - 0s - loss: 2.7322 - mean_absolute_error: 1.2093 - val_loss: 6.1037 -
    val_mean_absolute_error: 1.7508
1611 Epoch 758/800
1612 - 0s - loss: 2.7808 - mean_absolute_error: 1.2193 - val_loss: 5.9294 -
    val_mean_absolute_error: 1.7035
1613 Epoch 759/800
1614 - 0s - loss: 2.6667 - mean_absolute_error: 1.2033 - val_loss: 6.0338 -
    val_mean_absolute_error: 1.7094
```

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1615 Epoch 760/800
1616 - 0s - loss: 2.6974 - mean_absolute_error: 1.2143 - val_loss: 5.8825 -
    val_mean_absolute_error: 1.6895
1617 Epoch 761/800
1618 - 0s - loss: 2.7664 - mean_absolute_error: 1.2231 - val_loss: 5.9502 -
    val_mean_absolute_error: 1.7096
1619 Epoch 762/800
1620 - 0s - loss: 2.7628 - mean_absolute_error: 1.2246 - val_loss: 5.9485 -
    val_mean_absolute_error: 1.6742
1621 Epoch 763/800
1622 - 0s - loss: 2.7322 - mean_absolute_error: 1.2111 - val_loss: 5.8563 -
    val_mean_absolute_error: 1.6666
1623 Epoch 764/800
1624 - 0s - loss: 2.7736 - mean_absolute_error: 1.2367 - val_loss: 5.9169 -
    val_mean_absolute_error: 1.6888
1625 Epoch 765/800
1626 - 0s - loss: 2.6257 - mean_absolute_error: 1.1916 - val_loss: 6.0016 -
    val_mean_absolute_error: 1.7155
1627 Epoch 766/800
1628 - 0s - loss: 2.7862 - mean_absolute_error: 1.2290 - val_loss: 5.8644 -
    val_mean_absolute_error: 1.6914
1629 Epoch 767/800
1630 - 0s - loss: 2.8146 - mean_absolute_error: 1.2284 - val_loss: 5.8286 -
    val_mean_absolute_error: 1.6681
1631 Epoch 768/800
1632 - 0s - loss: 2.6667 - mean_absolute_error: 1.1921 - val_loss: 5.9644 -
    val_mean_absolute_error: 1.7343
1633 Epoch 769/800
1634 - 0s - loss: 2.6377 - mean_absolute_error: 1.1972 - val_loss: 6.3849 -
    val_mean_absolute_error: 1.7724
1635 Epoch 770/800
1636 - 0s - loss: 2.7053 - mean_absolute_error: 1.2144 - val_loss: 6.1323 -
    val_mean_absolute_error: 1.7693
1637 Epoch 771/800
1638 - 0s - loss: 2.6868 - mean_absolute_error: 1.2081 - val_loss: 6.2482 -
    val_mean_absolute_error: 1.7333
1639 Epoch 772/800
1640 - 0s - loss: 2.8627 - mean_absolute_error: 1.2393 - val_loss: 6.2323 -
    val_mean_absolute_error: 1.7092
1641 Epoch 773/800
1642 - 0s - loss: 2.6467 - mean_absolute_error: 1.1949 - val_loss: 6.3963 -
    val_mean_absolute_error: 1.8470
1643 Epoch 774/800
1644 - 0s - loss: 2.7580 - mean_absolute_error: 1.2202 - val_loss: 5.9873 -
    val_mean_absolute_error: 1.6791
1645 Epoch 775/800
1646 - 0s - loss: 2.7715 - mean_absolute_error: 1.2314 - val_loss: 6.3858 -
    val_mean_absolute_error: 1.7090
1647 Epoch 776/800
1648 - 0s - loss: 2.7119 - mean_absolute_error: 1.2063 - val_loss: 6.0883 -
    val_mean_absolute_error: 1.6880
```

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1649 Epoch 777/800
1650 - 0s - loss: 2.6496 - mean_absolute_error: 1.1974 - val_loss: 6.1043 -
    val_mean_absolute_error: 1.7806
1651 Epoch 778/800
1652 - 0s - loss: 2.6986 - mean_absolute_error: 1.2115 - val_loss: 6.0988 -
    val_mean_absolute_error: 1.7130
1653 Epoch 779/800
1654 - 0s - loss: 2.7117 - mean_absolute_error: 1.2149 - val_loss: 5.8624 -
    val_mean_absolute_error: 1.6901
1655 Epoch 780/800
1656 - 0s - loss: 2.7278 - mean_absolute_error: 1.2166 - val_loss: 5.9442 -
    val_mean_absolute_error: 1.7014
1657 Epoch 781/800
1658 - 0s - loss: 2.7605 - mean_absolute_error: 1.2159 - val_loss: 6.0587 -
    val_mean_absolute_error: 1.7113
1659 Epoch 782/800
1660 - 0s - loss: 2.6590 - mean_absolute_error: 1.1931 - val_loss: 6.0630 -
    val_mean_absolute_error: 1.7086
1661 Epoch 783/800
1662 - 0s - loss: 2.7764 - mean_absolute_error: 1.2227 - val_loss: 6.0461 -
    val_mean_absolute_error: 1.7015
1663 Epoch 784/800
1664 - 0s - loss: 2.7095 - mean_absolute_error: 1.2035 - val_loss: 5.9371 -
    val_mean_absolute_error: 1.6789
1665 Epoch 785/800
1666 - 0s - loss: 2.7488 - mean_absolute_error: 1.2139 - val_loss: 5.9799 -
    val_mean_absolute_error: 1.7454
1667 Epoch 786/800
1668 - 0s - loss: 2.7376 - mean_absolute_error: 1.2155 - val_loss: 5.9955 -
    val_mean_absolute_error: 1.7405
1669 Epoch 787/800
1670 - 0s - loss: 2.7213 - mean_absolute_error: 1.2177 - val_loss: 5.9485 -
    val_mean_absolute_error: 1.6763
1671 Epoch 788/800
1672 - 0s - loss: 2.6908 - mean_absolute_error: 1.2078 - val_loss: 6.1505 -
    val_mean_absolute_error: 1.7086
1673 Epoch 789/800
1674 - 0s - loss: 2.7293 - mean_absolute_error: 1.2138 - val_loss: 6.1752 -
    val_mean_absolute_error: 1.6875
1675 Epoch 790/800
1676 - 0s - loss: 2.6200 - mean_absolute_error: 1.1929 - val_loss: 6.2924 -
    val_mean_absolute_error: 1.7860
1677 Epoch 791/800
1678 - 0s - loss: 2.7293 - mean_absolute_error: 1.2138 - val_loss: 6.3479 -
    val_mean_absolute_error: 1.7058
1679 Epoch 792/800
1680 - 0s - loss: 2.7331 - mean_absolute_error: 1.2125 - val_loss: 6.1783 -
    val_mean_absolute_error: 1.7476
1681 Epoch 793/800
1682 - 0s - loss: 2.6729 - mean_absolute_error: 1.2100 - val_loss: 5.9370 -
    val_mean_absolute_error: 1.7566
```

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1683 Epoch 794/800
1684 - 0s - loss: 2.7532 - mean_absolute_error: 1.2218 - val_loss: 5.8741 -
    val_mean_absolute_error: 1.6772
1685 Epoch 795/800
1686 - 0s - loss: 2.7188 - mean_absolute_error: 1.2150 - val_loss: 5.9926 -
    val_mean_absolute_error: 1.6989
1687 Epoch 796/800
1688 - 0s - loss: 2.6257 - mean_absolute_error: 1.1920 - val_loss: 6.7740 -
    val_mean_absolute_error: 1.9296
1689 Epoch 797/800
1690 - 0s - loss: 2.6926 - mean_absolute_error: 1.1999 - val_loss: 6.2228 -
    val_mean_absolute_error: 1.7067
1691 Epoch 798/800
1692 - 0s - loss: 2.7720 - mean_absolute_error: 1.2281 - val_loss: 6.3426 -
    val_mean_absolute_error: 1.8152
1693 Epoch 799/800
1694 - 0s - loss: 2.6964 - mean_absolute_error: 1.2142 - val_loss: 6.2077 -
    val_mean_absolute_error: 1.7184
1695 Epoch 800/800
1696 - 0s - loss: 2.6935 - mean_absolute_error: 1.2020 - val_loss: 5.9447 -
    val_mean_absolute_error: 1.6844
1697 Train MAE: 1.0788 , Train Loss: 2.2266
1698 Val MAE: 1.6844 , Val Loss: 5.9447
1699 C:\Users\vidyu\Desktop\pythoncode
1700
1701 Process finished with exit code 0
1702
```