20 EPOCH

Epoch 1/20

158/158 [==============================] - 99s 628ms/step - loss: 0.2508 - mae: 33.7048 - val\_loss: 0.2521 - val\_mae: 33.5656

Epoch 00001: val\_loss did not improve from 0.25210

Epoch 2/20

158/158 [==============================] - 97s 613ms/step - loss: 0.2508 - mae: 33.6916 - val\_loss: 0.2521 - val\_mae: 33.5626

Epoch 00002: val\_loss did not improve from 0.25210

Epoch 3/20

158/158 [==============================] - 96s 605ms/step - loss: 0.2508 - mae: 33.6936 - val\_loss: 0.2521 - val\_mae: 33.5637

Epoch 00003: val\_loss did not improve from 0.25210

Epoch 4/20

158/158 [==============================] - 97s 612ms/step - loss: 0.2508 - mae: 33.6895 - val\_loss: 0.2521 - val\_mae: 33.5624

Epoch 00004: val\_loss did not improve from 0.25210

Epoch 5/20

158/158 [==============================] - 96s 607ms/step - loss: 0.2508 - mae: 33.6918 - val\_loss: 0.2521 - val\_mae: 33.5633

Epoch 00005: val\_loss did not improve from 0.25210

Epoch 6/20

158/158 [==============================] - 98s 617ms/step - loss: 0.2508 - mae: 33.6899 - val\_loss: 0.2521 - val\_mae: 33.5682

Epoch 00006: val\_loss did not improve from 0.25210

Epoch 7/20

158/158 [==============================] - 98s 620ms/step - loss: 0.2509 - mae: 33.6876 - val\_loss: 0.2521 - val\_mae: 33.5705

Epoch 00007: val\_loss did not improve from 0.25210

Epoch 8/20

158/158 [==============================] - 97s 611ms/step - loss: 0.2508 - mae: 33.6954 - val\_loss: 0.2521 - val\_mae: 33.5653

Epoch 00008: val\_loss did not improve from 0.25210

Epoch 9/20

158/158 [==============================] - 98s 618ms/step - loss: 0.2508 - mae: 33.6878 - val\_loss: 0.2521 - val\_mae: 33.5649

Epoch 00009: val\_loss did not improve from 0.25210

Epoch 10/20

158/158 [==============================] - 97s 613ms/step - loss: 0.2508 - mae: 33.6870 - val\_loss: 0.2521 - val\_mae: 33.5638

Epoch 00010: val\_loss did not improve from 0.25210

Epoch 11/20

158/158 [==============================] - 97s 615ms/step - loss: 0.2508 - mae: 33.6923 - val\_loss: 0.2521 - val\_mae: 33.5652

Epoch 00011: val\_loss did not improve from 0.25210

Epoch 12/20

158/158 [==============================] - 96s 606ms/step - loss: 0.2508 - mae: 33.6955 - val\_loss: 0.2521 - val\_mae: 33.5650

Epoch 00012: val\_loss did not improve from 0.25210

Epoch 13/20

158/158 [==============================] - 97s 608ms/step - loss: 0.2508 - mae: 33.6896 - val\_loss: 0.2521 - val\_mae: 33.5663

Epoch 00013: val\_loss did not improve from 0.25210

Epoch 14/20

158/158 [==============================] - 97s 614ms/step - loss: 0.2508 - mae: 33.6911 - val\_loss: 0.2521 - val\_mae: 33.5592

Epoch 00014: val\_loss did not improve from 0.25210

Epoch 15/20

158/158 [==============================] - 97s 609ms/step - loss: 0.2508 - mae: 33.6913 - val\_loss: 0.2521 - val\_mae: 33.5623

Epoch 00015: val\_loss did not improve from 0.25210

Epoch 16/20

158/158 [==============================] - 97s 612ms/step - loss: 0.2508 - mae: 33.6878 - val\_loss: 0.2521 - val\_mae: 33.5647

Epoch 00016: val\_loss did not improve from 0.25210

Epoch 17/20

158/158 [==============================] - 95s 603ms/step - loss: 0.2508 - mae: 33.6865 - val\_loss: 0.2521 - val\_mae: 33.5633

Epoch 00017: val\_loss did not improve from 0.25210

Epoch 18/20

158/158 [==============================] - 97s 610ms/step - loss: 0.2508 - mae: 33.6943 - val\_loss: 0.2521 - val\_mae: 33.5607

Epoch 00018: val\_loss did not improve from 0.25210

Epoch 19/20

158/158 [==============================] - 99s 624ms/step - loss: 0.2508 - mae: 33.6886 - val\_loss: 0.2521 - val\_mae: 33.5642

Epoch 00019: val\_loss did not improve from 0.25210

Epoch 20/20

158/158 [==============================] - 97s 612ms/step - loss: 0.2508 - mae: 33.6972 - val\_loss: 0.2521 - val\_mae: 33.5634

Epoch 00020: val\_loss did not improve from 0.25210

<tensorflow.python.keras.callbacks.History at 0x7f7a34878e80>

.......................................................................................................................................................... Epoch 1/25

158/158 [==============================] - 345s 2s/step - loss: 0.2510 - mae: 33.6836 - val\_loss: 0.2521 - val\_mae: 33.5331

Epoch 00001: val\_loss improved from 0.25211 to 0.25211, saving model to best\_weights1.hd5

Epoch 2/25

158/158 [==============================] - 291s 2s/step - loss: 0.2509 - mae: 33.6861 - val\_loss: 0.2521 - val\_mae: 33.5126

Epoch 00002: val\_loss improved from 0.25211 to 0.25210, saving model to best\_weights1.hd5

Epoch 3/25

158/158 [==============================] - 286s 2s/step - loss: 0.2509 - mae: 33.6880 - val\_loss: 0.2521 - val\_mae: 33.5205

Epoch 00003: val\_loss did not improve from 0.25210

Epoch 4/25

158/158 [==============================] - 291s 2s/step - loss: 0.2509 - mae: 33.6928 - val\_loss: 0.2521 - val\_mae: 33.5090

Epoch 00004: val\_loss improved from 0.25210 to 0.25210, saving model to best\_weights1.hd5

Epoch 5/25

158/158 [==============================] - 285s 2s/step - loss: 0.2510 - mae: 33.6870 - val\_loss: 0.2521 - val\_mae: 33.5532

Epoch 00005: val\_loss did not improve from 0.25210

Epoch 6/25

158/158 [==============================] - 295s 2s/step - loss: 0.2512 - mae: 33.7055 - val\_loss: 0.2521 - val\_mae: 33.5187

Epoch 00006: val\_loss did not improve from 0.25210

Epoch 7/25

158/158 [==============================] - 286s 2s/step - loss: 0.2509 - mae: 33.6867 - val\_loss: 0.2521 - val\_mae: 33.5574

Epoch 00007: val\_loss did not improve from 0.25210

Epoch 8/25

158/158 [==============================] - 291s 2s/step - loss: 0.2509 - mae: 33.6949 - val\_loss: 0.2521 - val\_mae: 33.5229

Epoch 00008: val\_loss did not improve from 0.25210

Epoch 9/25

158/158 [==============================] - 285s 2s/step - loss: 0.2509 - mae: 33.6930 - val\_loss: 0.2521 - val\_mae: 33.5098

Epoch 00009: val\_loss improved from 0.25210 to 0.25210, saving model to best\_weights1.hd5

Epoch 10/25

158/158 [==============================] - 292s 2s/step - loss: 0.2509 - mae: 33.6873 - val\_loss: 0.2521 - val\_mae: 33.5208

Epoch 00010: val\_loss did not improve from 0.25210

Epoch 11/25

158/158 [==============================] - 287s 2s/step - loss: 0.2509 - mae: 33.6902 - val\_loss: 0.2521 - val\_mae: 33.5193

Epoch 00011: val\_loss did not improve from 0.25210

Epoch 12/25

158/158 [==============================] - 287s 2s/step - loss: 0.2509 - mae: 33.6891 - val\_loss: 0.2521 - val\_mae: 33.5242

Epoch 00012: val\_loss did not improve from 0.25210

Epoch 13/25

158/158 [==============================] - 292s 2s/step - loss: 0.2509 - mae: 33.6919 - val\_loss: 0.2521 - val\_mae: 33.5136

Epoch 00013: val\_loss did not improve from 0.25210

Epoch 14/25

158/158 [==============================] - 284s 2s/step - loss: 0.2509 - mae: 33.6902 - val\_loss: 0.2521 - val\_mae: 33.5117

Epoch 00014: val\_loss did not improve from 0.25210

Epoch 15/25

158/158 [==============================] - 290s 2s/step - loss: 0.2509 - mae: 33.6893 - val\_loss: 0.2521 - val\_mae: 33.5121

Epoch 00015: val\_loss did not improve from 0.25210

Epoch 16/25

158/158 [==============================] - 284s 2s/step - loss: 0.2511 - mae: 33.6984 - val\_loss: 0.2521 - val\_mae: 33.5166

Epoch 00016: val\_loss did not improve from 0.25210

Epoch 17/25

158/158 [==============================] - 298s 2s/step - loss: 0.2509 - mae: 33.6925 - val\_loss: 0.2521 - val\_mae: 33.5107

Epoch 00017: val\_loss did not improve from 0.25210

Epoch 18/25

158/158 [==============================] - 287s 2s/step - loss: 0.2509 - mae: 33.6934 - val\_loss: 0.2521 - val\_mae: 33.4957

Epoch 00018: val\_loss did not improve from 0.25210

Epoch 19/25

158/158 [==============================] - 289s 2s/step - loss: 0.2509 - mae: 33.6834 - val\_loss: 0.2521 - val\_mae: 33.5222

Epoch 00019: val\_loss did not improve from 0.25210

Epoch 20/25

158/158 [==============================] - 286s 2s/step - loss: 0.2509 - mae: 33.6908 - val\_loss: 0.2521 - val\_mae: 33.5173

Epoch 00020: val\_loss did not improve from 0.25210

Epoch 21/25

158/158 [==============================] - 291s 2s/step - loss: 0.2509 - mae: 33.6923 - val\_loss: 0.2521 - val\_mae: 33.5109

Epoch 00021: val\_loss did not improve from 0.25210

Epoch 22/25

158/158 [==============================] - 285s 2s/step - loss: 0.2509 - mae: 33.6900 - val\_loss: 0.2521 - val\_mae: 33.5155

Epoch 00022: val\_loss did not improve from 0.25210

Epoch 23/25

158/158 [==============================] - 289s 2s/step - loss: 0.2509 - mae: 33.6905 - val\_loss: 0.2521 - val\_mae: 33.5190

Epoch 00023: val\_loss did not improve from 0.25210

Epoch 24/25

158/158 [==============================] - 283s 2s/step - loss: 0.2508 - mae: 33.6888 - val\_loss: 0.2521 - val\_mae: 33.5311

Epoch 00024: val\_loss did not improve from 0.25210

Epoch 25/25

158/158 [==============================] - 295s 2s/step - loss: 0.2509 - mae: 33.6911 - val\_loss: 0.2521 - val\_mae: 33.5268

Epoch 00025: val\_loss did not improve from 0.25210

<tensorflow.python.keras.callbacks.History at 0x7f48310661c0>