**PERFORMANCE TESTING:**

Epoch 1/10  
110/110 [==============================] - 27s 242ms/step - loss: 0.4205 - accuracy: 0.8861 - val\_loss: 48.9065 - val\_accuracy: 0.1488  
Epoch 2/10  
110/110 [==============================] - 27s 245ms/step - loss: 0.0082 - accuracy: 0.9989 - val\_loss: 62.1670 - val\_accuracy: 0.1280  
Epoch 3/10  
110/110 [==============================] - 28s 255ms/step - loss: 0.0014 - accuracy: 1.0000 - val\_loss: 66.6759 - val\_accuracy: 0.1488  
Epoch 4/10  
110/110 [==============================] - 27s 242ms/step - loss: 3.3364e-04 - accuracy: 1.0000 - val\_loss: 70.6794 - val\_accuracy: 0.1488  
Epoch 5/10  
110/110 [==============================] - 27s 248ms/step - loss: 1.9990e-04 - accuracy: 1.0000 - val\_loss: 74.1865 - val\_accuracy: 0.1488  
Epoch 6/10  
110/110 [==============================] - 26s 236ms/step - loss: 4.5090e-04 - accuracy: 1.0000 - val\_loss: 75.5190 - val\_accuracy: 0.1308  
Epoch 7/10  
110/110 [==============================] - 27s 248ms/step - loss: 1.0600e-04 - accuracy: 1.0000 - val\_loss: 78.4789 - val\_accuracy: 0.1488  
Epoch 8/10  
110/110 [==============================] - 26s 237ms/step - loss: 7.9529e-05 - accuracy: 1.0000 - val\_loss: 80.7918 - val\_accuracy: 0.1403  
Epoch 9/10  
110/110 [==============================] - 26s 236ms/step - loss: 9.2201e-05 - accuracy: 1.0000 - val\_loss: 80.3610 - val\_accuracy: 0.1431  
Epoch 10/10  
110/110 [==============================] - 29s 266ms/step - loss: 9.1324e-05 - accuracy: 1.0000 - val\_loss: 83.0943 - val\_accuracy: 0.1393

<keras.callbacks.History at 0x7fbcb5cb4b10>





