

Epoch 1/20
1562/1562 [=====] - 114s 72ms/step - loss:
0.8108 - accuracy: 0.7294 - val_loss: 1.0602 - val_accuracy: 0.6287
Epoch 2/20
1562/1562 [=====] - 113s 72ms/step - loss:
0.6601 - accuracy: 0.7881 - val_loss: 1.0146 - val_accuracy: 0.6451
Epoch 3/20
1562/1562 [=====] - 111s 71ms/step - loss:
0.5449 - accuracy: 0.8373 - val_loss: 0.9927 - val_accuracy: 0.6541
Epoch 4/20
1562/1562 [=====] - 113s 72ms/step - loss:
0.4456 - accuracy: 0.8783 - val_loss: 0.9697 - val_accuracy: 0.6631
Epoch 5/20
1562/1562 [=====] - 110s 70ms/step - loss:
0.3595 - accuracy: 0.9151 - val_loss: 0.9540 - val_accuracy: 0.6726
Epoch 6/20
1562/1562 [=====] - 112s 72ms/step - loss:
0.2852 - accuracy: 0.9456 - val_loss: 0.9486 - val_accuracy: 0.6773
Epoch 7/20
1562/1562 [=====] - 112s 72ms/step - loss:
0.2230 - accuracy: 0.9672 - val_loss: 0.9486 - val_accuracy: 0.6799
Epoch 8/20
1562/1562 [=====] - 112s 72ms/step - loss:
0.1729 - accuracy: 0.9823 - val_loss: 0.9493 - val_accuracy: 0.6827
Epoch 9/20
1562/1562 [=====] - 110s 70ms/step - loss:
0.1340 - accuracy: 0.9909 - val_loss: 0.9526 - val_accuracy: 0.6851
Epoch 10/20
1562/1562 [=====] - 110s 70ms/step - loss:
0.1043 - accuracy: 0.9957 - val_loss: 0.9617 - val_accuracy: 0.6865
Epoch 11/20
1562/1562 [=====] - 110s 71ms/step - loss:
0.0823 - accuracy: 0.9981 - val_loss: 0.9714 - val_accuracy: 0.6902
Epoch 12/20
1562/1562 [=====] - 110s 70ms/step - loss:
0.0662 - accuracy: 0.9993 - val_loss: 0.9767 - val_accuracy: 0.6928
Epoch 13/20
1562/1562 [=====] - 112s 72ms/step - loss:
0.0541 - accuracy: 0.9995 - val_loss: 0.9746 - val_accuracy: 0.6968
Epoch 14/20
1562/1562 [=====] - 112s 72ms/step - loss:
0.0450 - accuracy: 0.9998 - val_loss: 0.9749 - val_accuracy: 0.7004
Epoch 15/20
1562/1562 [=====] - 112s 72ms/step - loss:
0.0380 - accuracy: 0.9999 - val_loss: 0.9795 - val_accuracy: 0.7007
Epoch 16/20
1562/1562 [=====] - 111s 71ms/step - loss:
0.0326 - accuracy: 0.9999 - val_loss: 0.9869 - val_accuracy: 0.7015
Epoch 17/20
1562/1562 [=====] - 112s 72ms/step - loss:
0.0284 - accuracy: 1.0000 - val_loss: 0.9957 - val_accuracy: 0.7026
Epoch 18/20
1562/1562 [=====] - 112s 72ms/step - loss:
0.0249 - accuracy: 1.0000 - val_loss: 1.0054 - val_accuracy: 0.7035
Epoch 19/20
1562/1562 [=====] - 110s 70ms/step - loss:
0.0221 - accuracy: 1.0000 - val_loss: 1.0143 - val_accuracy: 0.7046
Epoch 20/20

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1562/1562 [=====] - 110s 71ms/step - loss:  
0.0198 - accuracy: 1.0000 - val_loss: 1.0234 - val_accuracy: 0.7054
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