





[illegible]



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```
245/245 [=====] - 0s 1ms/step - loss: 0.0490 - accuracy: 0.98
Epoch 826/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0517 - accuracy: 0.98
Epoch 827/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0421 - accuracy: 0.98
Epoch 828/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0463 - accuracy: 0.98
26 - val_loss: 1.5182 - val_accuracy: 0.8089
Epoch 829/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0534 - accuracy: 0.97
96 - val_loss: 1.5118 - val_accuracy: 0.8116
Epoch 830/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0536 - accuracy: 0.98
20 - val_loss: 1.5001 - val_accuracy: 0.8158
Epoch 831/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0549 - accuracy: 0.97
91 - val_loss: 1.5024 - val_accuracy: 0.8089
Epoch 832/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0516 - accuracy: 0.98
14 - val_loss: 1.5115 - val_accuracy: 0.8053
Epoch 833/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0565 - accuracy: 0.97
84 - val_loss: 1.5376 - val_accuracy: 0.8023
Epoch 834/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0489 - accuracy: 0.98
Epoch 835/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0558 - accuracy: 0.97
29 - val_loss: 1.4813 - val_accuracy: 0.8080
Epoch 836/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0484 - accuracy: 0.98
Epoch 837/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0486 - accuracy: 0.97
95 - val_loss: 1.5326 - val_accuracy: 0.8080
Epoch 838/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0455 - accuracy: 0.98
13 - val_loss: 1.5334 - val_accuracy: 0.8080
Epoch 839/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0535 - accuracy: 0.98
07 - val_loss: 1.5286 - val_accuracy: 0.8092
Epoch 840/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0463 - accuracy: 0.98
32 - val_loss: 1.5243 - val_accuracy: 0.8137
Epoch 841/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0523 - accuracy: 0.98
09 - val_loss: 1.5132 - val_accuracy: 0.8092
Epoch 842/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0512 - accuracy: 0.98
07 - val_loss: 1.5470 - val_accuracy: 0.8086
Epoch 843/1000
245/245 [=====] - 0s 2ms/step - loss: 0.0461 - accuracy: 0.98
35 - val_loss: 1.5312 - val_accuracy: 0.8119
Epoch 844/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0578 - accuracy: 0.97
96 - val_loss: 1.4458 - val_accuracy: 0.8119
Epoch 845/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0586 - accuracy: 0.97
28 - val_loss: 1.5248 - val_accuracy: 0.8071
Epoch 846/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0544 - accuracy: 0.98
16 - val_loss: 1.5420 - val_accuracy: 0.8065
Epoch 847/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0550 - accuracy: 0.98
76 - val_loss: 1.4882 - val_accuracy: 0.8155
Epoch 848/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0477 - accuracy: 0.98
31 - val_loss: 1.5010 - val_accuracy: 0.8074
Epoch 849/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0506 - accuracy: 0.98
30 - val_loss: 1.4992 - val_accuracy: 0.8113
Epoch 850/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0460 - accuracy: 0.98
34 - val_loss: 1.4959 - val_accuracy: 0.8113
Epoch 851/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0560 - accuracy: 0.98
04 - val_loss: 1.5968 - val_accuracy: 0.8116
Epoch 852/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0517 - accuracy: 0.98
13 - val_loss: 1.4959 - val_accuracy: 0.8080
Epoch 853/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0543 - accuracy: 0.98
04 - val_loss: 1.5139 - val_accuracy: 0.8062
Epoch 854/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0406 - accuracy: 0.98
49 - val_loss: 1.5098 - val_accuracy: 0.8089
Epoch 855/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0481 - accuracy: 0.98
39 - val_loss: 1.5185 - val_accuracy: 0.8065
Epoch 856/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0532 - accuracy: 0.98
39 - val_loss: 1.5079 - val_accuracy: 0.8074
Epoch 857/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0484 - accuracy: 0.98
29 - val_loss: 1.5152 - val_accuracy: 0.8122
Epoch 858/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0568 - accuracy: 0.98
24 - val_loss: 1.5144 - val_accuracy: 0.8122
Epoch 859/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0528 - accuracy: 0.98
13 - val_loss: 1.5452 - val_accuracy: 0.8110
Epoch 860/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0512 - accuracy: 0.98
14 - val_loss: 1.5179 - val_accuracy: 0.8137
Epoch 861/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0474 - accuracy: 0.98
17 - val_loss: 1.4891 - val_accuracy: 0.8083
Epoch 862/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0474 - accuracy: 0.98
27 - val_loss: 1.5639 - val_accuracy: 0.8068
Epoch 863/1000
245/245 [=====] - 0s 2ms/step - loss: 0.0522 - accuracy: 0.98
09 - val_loss: 1.4894 - val_accuracy: 0.8110
Epoch 864/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0538 - accuracy: 0.98
13 - val_loss: 1.4656 - val_accuracy: 0.8089
Epoch 865/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0516 - accuracy: 0.98
03 - val_loss: 1.4943 - val_accuracy: 0.8062
Epoch 866/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0572 - accuracy: 0.97
90 - val_loss: 1.4149 - val_accuracy: 0.8137
Epoch 867/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0549 - accuracy: 0.97
89 - val_loss: 1.4756 - val_accuracy: 0.8071
Epoch 868/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0485 - accuracy: 0.98
24 - val_loss: 1.5084 - val_accuracy: 0.8149
Epoch 869/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0457 - accuracy: 0.98
24 - val_loss: 1.5666 - val_accuracy: 0.8074
Epoch 870/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0596 - accuracy: 0.97
90 - val_loss: 1.4355 - val_accuracy: 0.8185
Epoch 871/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0485 - accuracy: 0.98
16 - val_loss: 1.5227 - val_accuracy: 0.8137
Epoch 872/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0488 - accuracy: 0.98
23 - val_loss: 1.5592 - val_accuracy: 0.8104
Epoch 873/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0463 - accuracy: 0.98
39 - val_loss: 1.5362 - val_accuracy: 0.8134
Epoch 874/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0497 - accuracy: 0.98
14 - val_loss: 1.5051 - val_accuracy: 0.8071
Epoch 875/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0484 - accuracy: 0.98
28 - val_loss: 1.5563 - val_accuracy: 0.8050
Epoch 876/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0459 - accuracy: 0.98
41 - val_loss: 1.5308 - val_accuracy: 0.8128
Epoch 877/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0484 - accuracy: 0.98
21 - val_loss: 1.5541 - val_accuracy: 0.8068
Epoch 878/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0393 - accuracy: 0.98
58 - val_loss: 1.5720 - val_accuracy: 0.8008
Epoch 879/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0490 - accuracy: 0.98
24 - val_loss: 1.5595 - val_accuracy: 0.8056
Epoch 880/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0421 - accuracy: 0.98
31 - val_loss: 1.6039 - val_accuracy: 0.8062
Epoch 881/1000
245/245 [=====] - 0s 1ms/step - loss: 0.0485 - accuracy: 0.98
39 - val_loss: 1.553
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