

## Apêndice C

Dados dos Epochs

Parâmetros 75

Epochs Totais: 500

Modelo: model2

Tokenizer: Token\_do\_deeplearning

Callback history do fit model:

```
Epoch 1/500
47/47 - 2s - loss: 6.7969 - accuracy: 0.0798
Epoch 2/500
47/47 - 2s - loss: 6.1965 - accuracy: 0.0822
Epoch 3/500
47/47 - 2s - loss: 6.1471 - accuracy: 0.0822
Epoch 4/500
47/47 - 2s - loss: 6.1372 - accuracy: 0.0822
Epoch 5/500
47/47 - 3s - loss: 6.1300 - accuracy: 0.0822
Epoch 6/500
47/47 - 3s - loss: 6.1143 - accuracy: 0.0822
Epoch 7/500
47/47 - 3s - loss: 6.0352 - accuracy: 0.0822
Epoch 8/500
47/47 - 3s - loss: 5.9339 - accuracy: 0.0822
Epoch 9/500
47/47 - 3s - loss: 5.8677 - accuracy: 0.0822
Epoch 10/500
47/47 - 3s - loss: 5.8161 - accuracy: 0.0861
Epoch 11/500
47/47 - 3s - loss: 5.7492 - accuracy: 0.0900
Epoch 12/500
47/47 - 3s - loss: 5.6805 - accuracy: 0.0923
Epoch 13/500
47/47 - 3s - loss: 5.6181 - accuracy: 0.0937
Epoch 14/500
47/47 - 3s - loss: 5.5635 - accuracy: 0.0955
Epoch 15/500
47/47 - 3s - loss: 5.5176 - accuracy: 0.0962
Epoch 16/500
47/47 - 3s - loss: 5.4723 - accuracy: 0.1006
Epoch 17/500
```

47/47 - 3s - loss: 5.4186 - accuracy: 0.1022  
Epoch 18/500  
47/47 - 3s - loss: 5.3625 - accuracy: 0.1029  
Epoch 19/500  
47/47 - 3s - loss: 5.3018 - accuracy: 0.1065  
Epoch 20/500  
47/47 - 3s - loss: 5.2465 - accuracy: 0.1095  
Epoch 21/500  
47/47 - 3s - loss: 5.1951 - accuracy: 0.1075  
Epoch 22/500  
47/47 - 3s - loss: 5.1463 - accuracy: 0.1098  
Epoch 23/500  
47/47 - 3s - loss: 5.0979 - accuracy: 0.1120  
Epoch 24/500  
47/47 - 3s - loss: 5.0514 - accuracy: 0.1104  
Epoch 25/500  
47/47 - 3s - loss: 5.0044 - accuracy: 0.1107  
Epoch 26/500  
47/47 - 3s - loss: 4.9627 - accuracy: 0.1100  
Epoch 27/500  
47/47 - 3s - loss: 4.9263 - accuracy: 0.1144  
Epoch 28/500  
47/47 - 3s - loss: 4.8821 - accuracy: 0.1132  
Epoch 29/500  
47/47 - 3s - loss: 4.8338 - accuracy: 0.1137  
Epoch 30/500  
47/47 - 3s - loss: 4.7909 - accuracy: 0.1157  
Epoch 31/500  
47/47 - 3s - loss: 4.7574 - accuracy: 0.1167  
Epoch 32/500  
47/47 - 3s - loss: 4.7201 - accuracy: 0.1180  
Epoch 33/500  
47/47 - 3s - loss: 4.6809 - accuracy: 0.1194  
Epoch 34/500  
47/47 - 3s - loss: 4.6494 - accuracy: 0.1207  
Epoch 35/500  
47/47 - 3s - loss: 4.6127 - accuracy: 0.1194  
Epoch 36/500  
47/47 - 3s - loss: 4.5670 - accuracy: 0.1207  
Epoch 37/500  
47/47 - 3s - loss: 4.5264 - accuracy: 0.1217  
Epoch 38/500  
47/47 - 3s - loss: 4.4890 - accuracy: 0.1246  
Epoch 39/500

47/47 - 3s - loss: 4.4510 - accuracy: 0.1240  
Epoch 40/500  
47/47 - 3s - loss: 4.4139 - accuracy: 0.1270  
Epoch 41/500  
47/47 - 3s - loss: 4.3820 - accuracy: 0.1324  
Epoch 42/500  
47/47 - 3s - loss: 4.3563 - accuracy: 0.1308  
Epoch 43/500  
47/47 - 3s - loss: 4.3261 - accuracy: 0.1304  
Epoch 44/500  
47/47 - 3s - loss: 4.2941 - accuracy: 0.1302  
Epoch 45/500  
47/47 - 3s - loss: 4.2663 - accuracy: 0.1357  
Epoch 46/500  
47/47 - 3s - loss: 4.2403 - accuracy: 0.1350  
Epoch 47/500  
47/47 - 3s - loss: 4.2206 - accuracy: 0.1341  
Epoch 48/500  
47/47 - 3s - loss: 4.1942 - accuracy: 0.1370  
Epoch 49/500  
47/47 - 3s - loss: 4.1757 - accuracy: 0.1395  
Epoch 50/500  
47/47 - 3s - loss: 4.1430 - accuracy: 0.1403  
Epoch 51/500  
47/47 - 3s - loss: 4.1202 - accuracy: 0.1398  
Epoch 52/500  
47/47 - 3s - loss: 4.0968 - accuracy: 0.1414  
Epoch 53/500  
47/47 - 3s - loss: 4.0741 - accuracy: 0.1437  
Epoch 54/500  
47/47 - 3s - loss: 4.0514 - accuracy: 0.1473  
Epoch 55/500  
47/47 - 3s - loss: 4.0249 - accuracy: 0.1467  
Epoch 56/500  
47/47 - 3s - loss: 4.0036 - accuracy: 0.1469  
Epoch 57/500  
47/47 - 3s - loss: 3.9777 - accuracy: 0.1519  
Epoch 58/500  
47/47 - 3s - loss: 3.9589 - accuracy: 0.1558  
Epoch 59/500  
47/47 - 3s - loss: 3.9302 - accuracy: 0.1544  
Epoch 60/500  
47/47 - 3s - loss: 3.9109 - accuracy: 0.1570  
Epoch 61/500

47/47 - 3s - loss: 3.8859 - accuracy: 0.1590  
Epoch 62/500  
47/47 - 3s - loss: 3.8619 - accuracy: 0.1600  
Epoch 63/500  
47/47 - 3s - loss: 3.8345 - accuracy: 0.1634  
Epoch 64/500  
47/47 - 3s - loss: 3.8121 - accuracy: 0.1650  
Epoch 65/500  
47/47 - 3s - loss: 3.7896 - accuracy: 0.1652  
Epoch 66/500  
47/47 - 3s - loss: 3.7698 - accuracy: 0.1700  
Epoch 67/500  
47/47 - 3s - loss: 3.7460 - accuracy: 0.1730  
Epoch 68/500  
47/47 - 3s - loss: 3.7205 - accuracy: 0.1744  
Epoch 69/500  
47/47 - 3s - loss: 3.6950 - accuracy: 0.1774  
Epoch 70/500  
47/47 - 3s - loss: 3.6709 - accuracy: 0.1748  
Epoch 71/500  
47/47 - 3s - loss: 3.6501 - accuracy: 0.1836  
Epoch 72/500  
47/47 - 3s - loss: 3.6300 - accuracy: 0.1831  
Epoch 73/500  
47/47 - 4s - loss: 3.6024 - accuracy: 0.1845  
Epoch 74/500  
47/47 - 4s - loss: 3.5785 - accuracy: 0.1842  
Epoch 75/500  
47/47 - 3s - loss: 3.5609 - accuracy: 0.1906  
Epoch 76/500  
47/47 - 3s - loss: 3.5353 - accuracy: 0.1938  
Epoch 77/500  
47/47 - 3s - loss: 3.5139 - accuracy: 0.1954  
Epoch 78/500  
47/47 - 3s - loss: 3.4966 - accuracy: 0.1980  
Epoch 79/500  
47/47 - 3s - loss: 3.4767 - accuracy: 0.1977  
Epoch 80/500  
47/47 - 3s - loss: 3.4509 - accuracy: 0.2024  
Epoch 81/500  
47/47 - 3s - loss: 3.4383 - accuracy: 0.2012  
Epoch 82/500  
47/47 - 3s - loss: 3.4110 - accuracy: 0.2088  
Epoch 83/500

47/47 - 3s - loss: 3.3936 - accuracy: 0.2122  
Epoch 84/500  
47/47 - 3s - loss: 3.3676 - accuracy: 0.2158  
Epoch 85/500  
47/47 - 3s - loss: 3.3456 - accuracy: 0.2145  
Epoch 86/500  
47/47 - 3s - loss: 3.3329 - accuracy: 0.2166  
Epoch 87/500  
47/47 - 3s - loss: 3.3092 - accuracy: 0.2257  
Epoch 88/500  
47/47 - 3s - loss: 3.2826 - accuracy: 0.2259  
Epoch 89/500  
47/47 - 3s - loss: 3.2691 - accuracy: 0.2296  
Epoch 90/500  
47/47 - 3s - loss: 3.2441 - accuracy: 0.2300  
Epoch 91/500  
47/47 - 3s - loss: 3.2260 - accuracy: 0.2356  
Epoch 92/500  
47/47 - 3s - loss: 3.2028 - accuracy: 0.2413  
Epoch 93/500  
47/47 - 3s - loss: 3.1848 - accuracy: 0.2420  
Epoch 94/500  
47/47 - 3s - loss: 3.1728 - accuracy: 0.2438  
Epoch 95/500  
47/47 - 3s - loss: 3.1570 - accuracy: 0.2534  
Epoch 96/500  
47/47 - 3s - loss: 3.1274 - accuracy: 0.2491  
Epoch 97/500  
47/47 - 3s - loss: 3.1130 - accuracy: 0.2498  
Epoch 98/500  
47/47 - 3s - loss: 3.0909 - accuracy: 0.2612  
Epoch 99/500  
47/47 - 3s - loss: 3.0710 - accuracy: 0.2631  
Epoch 100/500  
47/47 - 3s - loss: 3.0395 - accuracy: 0.2690  
Epoch 101/500  
47/47 - 3s - loss: 3.0265 - accuracy: 0.2722  
Epoch 102/500  
47/47 - 3s - loss: 3.0122 - accuracy: 0.2711  
Epoch 103/500  
47/47 - 3s - loss: 2.9985 - accuracy: 0.2757  
Epoch 104/500  
47/47 - 3s - loss: 2.9948 - accuracy: 0.2725  
Epoch 105/500

47/47 - 3s - loss: 2.9656 - accuracy: 0.2825  
Epoch 106/500  
47/47 - 3s - loss: 2.9352 - accuracy: 0.2816  
Epoch 107/500  
47/47 - 3s - loss: 2.9087 - accuracy: 0.2936  
Epoch 108/500  
47/47 - 3s - loss: 2.9069 - accuracy: 0.2906  
Epoch 109/500  
47/47 - 3s - loss: 2.8813 - accuracy: 0.2977  
Epoch 110/500  
47/47 - 3s - loss: 2.8759 - accuracy: 0.2995  
Epoch 111/500  
47/47 - 3s - loss: 2.8557 - accuracy: 0.2954  
Epoch 112/500  
47/47 - 3s - loss: 2.8372 - accuracy: 0.3078  
Epoch 113/500  
47/47 - 3s - loss: 2.8188 - accuracy: 0.3165  
Epoch 114/500  
47/47 - 3s - loss: 2.7939 - accuracy: 0.3146  
Epoch 115/500  
47/47 - 3s - loss: 2.7756 - accuracy: 0.3188  
Epoch 116/500  
47/47 - 3s - loss: 2.7626 - accuracy: 0.3235  
Epoch 117/500  
47/47 - 3s - loss: 2.7505 - accuracy: 0.3188  
Epoch 118/500  
47/47 - 3s - loss: 2.7395 - accuracy: 0.3251  
Epoch 119/500  
47/47 - 3s - loss: 2.7235 - accuracy: 0.3304  
Epoch 120/500  
47/47 - 3s - loss: 2.7019 - accuracy: 0.3348  
Epoch 121/500  
47/47 - 3s - loss: 2.6787 - accuracy: 0.3385  
Epoch 122/500  
47/47 - 3s - loss: 2.6667 - accuracy: 0.3346  
Epoch 123/500  
47/47 - 3s - loss: 2.6527 - accuracy: 0.3394  
Epoch 124/500  
47/47 - 3s - loss: 2.6544 - accuracy: 0.3439  
Epoch 125/500  
47/47 - 3s - loss: 2.6483 - accuracy: 0.3426  
Epoch 126/500  
47/47 - 3s - loss: 2.6226 - accuracy: 0.3536  
Epoch 127/500

47/47 - 3s - loss: 2.6020 - accuracy: 0.3495  
Epoch 128/500  
47/47 - 3s - loss: 2.5799 - accuracy: 0.3611  
Epoch 129/500  
47/47 - 3s - loss: 2.5619 - accuracy: 0.3616  
Epoch 130/500  
47/47 - 3s - loss: 2.5469 - accuracy: 0.3694  
Epoch 131/500  
47/47 - 3s - loss: 2.5269 - accuracy: 0.3701  
Epoch 132/500  
47/47 - 3s - loss: 2.5112 - accuracy: 0.3762  
Epoch 133/500  
47/47 - 3s - loss: 2.4962 - accuracy: 0.3769  
Epoch 134/500  
47/47 - 3s - loss: 2.4777 - accuracy: 0.3866  
Epoch 135/500  
47/47 - 3s - loss: 2.4643 - accuracy: 0.3937  
Epoch 136/500  
47/47 - 3s - loss: 2.4542 - accuracy: 0.3836  
Epoch 137/500  
47/47 - 3s - loss: 2.4532 - accuracy: 0.3875  
Epoch 138/500  
47/47 - 3s - loss: 2.4287 - accuracy: 0.3912  
Epoch 139/500  
47/47 - 3s - loss: 2.4093 - accuracy: 0.4003  
Epoch 140/500  
47/47 - 3s - loss: 2.3888 - accuracy: 0.3992  
Epoch 141/500  
47/47 - 3s - loss: 2.3813 - accuracy: 0.4038  
Epoch 142/500  
47/47 - 3s - loss: 2.3711 - accuracy: 0.4074  
Epoch 143/500  
47/47 - 3s - loss: 2.3519 - accuracy: 0.4045  
Epoch 144/500  
47/47 - 3s - loss: 2.3403 - accuracy: 0.4109  
Epoch 145/500  
47/47 - 3s - loss: 2.3394 - accuracy: 0.4056  
Epoch 146/500  
47/47 - 3s - loss: 2.3401 - accuracy: 0.4084  
Epoch 147/500  
47/47 - 3s - loss: 2.3324 - accuracy: 0.4152  
Epoch 148/500  
47/47 - 3s - loss: 2.2968 - accuracy: 0.4178  
Epoch 149/500

47/47 - 3s - loss: 2.2852 - accuracy: 0.4219  
Epoch 150/500  
47/47 - 3s - loss: 2.2636 - accuracy: 0.4324  
Epoch 151/500  
47/47 - 3s - loss: 2.2475 - accuracy: 0.4379  
Epoch 152/500  
47/47 - 3s - loss: 2.2269 - accuracy: 0.4409  
Epoch 153/500  
47/47 - 3s - loss: 2.2255 - accuracy: 0.4409  
Epoch 154/500  
47/47 - 3s - loss: 2.2135 - accuracy: 0.4397  
Epoch 155/500  
47/47 - 3s - loss: 2.1988 - accuracy: 0.4407  
Epoch 156/500  
47/47 - 3s - loss: 2.1750 - accuracy: 0.4505  
Epoch 157/500  
47/47 - 3s - loss: 2.1624 - accuracy: 0.4517  
Epoch 158/500  
47/47 - 3s - loss: 2.1446 - accuracy: 0.4578  
Epoch 159/500  
47/47 - 3s - loss: 2.1454 - accuracy: 0.4540  
Epoch 160/500  
47/47 - 3s - loss: 2.1230 - accuracy: 0.4624  
Epoch 161/500  
47/47 - 3s - loss: 2.1051 - accuracy: 0.4681  
Epoch 162/500  
47/47 - 3s - loss: 2.0947 - accuracy: 0.4750  
Epoch 163/500  
47/47 - 3s - loss: 2.0843 - accuracy: 0.4734  
Epoch 164/500  
47/47 - 3s - loss: 2.0685 - accuracy: 0.4743  
Epoch 165/500  
47/47 - 3s - loss: 2.0500 - accuracy: 0.4815  
Epoch 166/500  
47/47 - 3s - loss: 2.0360 - accuracy: 0.4826  
Epoch 167/500  
47/47 - 3s - loss: 2.0270 - accuracy: 0.4837  
Epoch 168/500  
47/47 - 3s - loss: 2.0119 - accuracy: 0.4963  
Epoch 169/500  
47/47 - 3s - loss: 2.0068 - accuracy: 0.4949  
Epoch 170/500  
47/47 - 3s - loss: 2.0080 - accuracy: 0.4872  
Epoch 171/500

47/47 - 3s - loss: 1.9808 - accuracy: 0.4984  
Epoch 172/500  
47/47 - 3s - loss: 1.9665 - accuracy: 0.5016  
Epoch 173/500  
47/47 - 3s - loss: 1.9512 - accuracy: 0.5037  
Epoch 174/500  
47/47 - 3s - loss: 1.9243 - accuracy: 0.5128  
Epoch 175/500  
47/47 - 3s - loss: 1.9152 - accuracy: 0.5103  
Epoch 176/500  
47/47 - 3s - loss: 1.9121 - accuracy: 0.5126  
Epoch 177/500  
47/47 - 3s - loss: 1.9076 - accuracy: 0.5117  
Epoch 178/500  
47/47 - 3s - loss: 1.8848 - accuracy: 0.5224  
Epoch 179/500  
47/47 - 3s - loss: 1.8815 - accuracy: 0.5227  
Epoch 180/500  
47/47 - 3s - loss: 1.8773 - accuracy: 0.5200  
Epoch 181/500  
47/47 - 3s - loss: 1.8571 - accuracy: 0.5259  
Epoch 182/500  
47/47 - 3s - loss: 1.8371 - accuracy: 0.5334  
Epoch 183/500  
47/47 - 3s - loss: 1.8299 - accuracy: 0.5309  
Epoch 184/500  
47/47 - 3s - loss: 1.8185 - accuracy: 0.5374  
Epoch 185/500  
47/47 - 3s - loss: 1.8118 - accuracy: 0.5424  
Epoch 186/500  
47/47 - 3s - loss: 1.8088 - accuracy: 0.5342  
Epoch 187/500  
47/47 - 3s - loss: 1.7961 - accuracy: 0.5397  
Epoch 188/500  
47/47 - 3s - loss: 1.7691 - accuracy: 0.5476  
Epoch 189/500  
47/47 - 3s - loss: 1.7548 - accuracy: 0.5545  
Epoch 190/500  
47/47 - 3s - loss: 1.7449 - accuracy: 0.5509  
Epoch 191/500  
47/47 - 3s - loss: 1.7329 - accuracy: 0.5598  
Epoch 192/500  
47/47 - 3s - loss: 1.7242 - accuracy: 0.5639  
Epoch 193/500

47/47 - 3s - loss: 1.7165 - accuracy: 0.5570  
Epoch 194/500  
47/47 - 3s - loss: 1.7236 - accuracy: 0.5534  
Epoch 195/500  
47/47 - 3s - loss: 1.6902 - accuracy: 0.5727  
Epoch 196/500  
47/47 - 3s - loss: 1.6662 - accuracy: 0.5717  
Epoch 197/500  
47/47 - 3s - loss: 1.6590 - accuracy: 0.5775  
Epoch 198/500  
47/47 - 3s - loss: 1.6566 - accuracy: 0.5816  
Epoch 199/500  
47/47 - 3s - loss: 1.6364 - accuracy: 0.5843  
Epoch 200/500  
47/47 - 3s - loss: 1.6234 - accuracy: 0.5841  
Epoch 201/500  
47/47 - 3s - loss: 1.6229 - accuracy: 0.5841  
Epoch 202/500  
47/47 - 3s - loss: 1.6158 - accuracy: 0.5880  
Epoch 203/500  
47/47 - 3s - loss: 1.5979 - accuracy: 0.5859  
Epoch 204/500  
47/47 - 3s - loss: 1.5852 - accuracy: 0.5969  
Epoch 205/500  
47/47 - 3s - loss: 1.5957 - accuracy: 0.5892  
Epoch 206/500  
47/47 - 3s - loss: 1.5940 - accuracy: 0.5910  
Epoch 207/500  
47/47 - 3s - loss: 1.6056 - accuracy: 0.5793  
Epoch 208/500  
47/47 - 3s - loss: 1.5672 - accuracy: 0.5997  
Epoch 209/500  
47/47 - 3s - loss: 1.5486 - accuracy: 0.5971  
Epoch 210/500  
47/47 - 3s - loss: 1.5324 - accuracy: 0.6081  
Epoch 211/500  
47/47 - 3s - loss: 1.5176 - accuracy: 0.6125  
Epoch 212/500  
47/47 - 3s - loss: 1.5127 - accuracy: 0.6107  
Epoch 213/500  
47/47 - 3s - loss: 1.4962 - accuracy: 0.6157  
Epoch 214/500  
47/47 - 3s - loss: 1.4915 - accuracy: 0.6171  
Epoch 215/500

47/47 - 3s - loss: 1.4772 - accuracy: 0.6233  
Epoch 216/500  
47/47 - 3s - loss: 1.4720 - accuracy: 0.6286  
Epoch 217/500  
47/47 - 3s - loss: 1.4719 - accuracy: 0.6157  
Epoch 218/500  
47/47 - 3s - loss: 1.4581 - accuracy: 0.6242  
Epoch 219/500  
47/47 - 3s - loss: 1.4417 - accuracy: 0.6308  
Epoch 220/500  
47/47 - 3s - loss: 1.4396 - accuracy: 0.6295  
Epoch 221/500  
47/47 - 3s - loss: 1.4399 - accuracy: 0.6288  
Epoch 222/500  
47/47 - 3s - loss: 1.4356 - accuracy: 0.6260  
Epoch 223/500  
47/47 - 3s - loss: 1.4197 - accuracy: 0.6373  
Epoch 224/500  
47/47 - 3s - loss: 1.4049 - accuracy: 0.6350  
Epoch 225/500  
47/47 - 3s - loss: 1.3922 - accuracy: 0.6466  
Epoch 226/500  
47/47 - 3s - loss: 1.3869 - accuracy: 0.6467  
Epoch 227/500  
47/47 - 3s - loss: 1.3762 - accuracy: 0.6450  
Epoch 228/500  
47/47 - 3s - loss: 1.3550 - accuracy: 0.6519  
Epoch 229/500  
47/47 - 3s - loss: 1.3456 - accuracy: 0.6545  
Epoch 230/500  
47/47 - 3s - loss: 1.3384 - accuracy: 0.6565  
Epoch 231/500  
47/47 - 3s - loss: 1.3398 - accuracy: 0.6577  
Epoch 232/500  
47/47 - 3s - loss: 1.3274 - accuracy: 0.6615  
Epoch 233/500  
47/47 - 3s - loss: 1.3202 - accuracy: 0.6608  
Epoch 234/500  
47/47 - 3s - loss: 1.3055 - accuracy: 0.6634  
Epoch 235/500  
47/47 - 3s - loss: 1.3140 - accuracy: 0.6622  
Epoch 236/500  
47/47 - 3s - loss: 1.3028 - accuracy: 0.6645  
Epoch 237/500

47/47 - 3s - loss: 1.3007 - accuracy: 0.6647  
Epoch 238/500  
47/47 - 3s - loss: 1.3003 - accuracy: 0.6666  
Epoch 239/500  
47/47 - 3s - loss: 1.2981 - accuracy: 0.6709  
Epoch 240/500  
47/47 - 3s - loss: 1.2841 - accuracy: 0.6659  
Epoch 241/500  
47/47 - 3s - loss: 1.2603 - accuracy: 0.6764  
Epoch 242/500  
47/47 - 3s - loss: 1.2646 - accuracy: 0.6748  
Epoch 243/500  
47/47 - 3s - loss: 1.2533 - accuracy: 0.6806  
Epoch 244/500  
47/47 - 3s - loss: 1.2451 - accuracy: 0.6760  
Epoch 245/500  
47/47 - 3s - loss: 1.2207 - accuracy: 0.6838  
Epoch 246/500  
47/47 - 3s - loss: 1.2118 - accuracy: 0.6920  
Epoch 247/500  
47/47 - 3s - loss: 1.2171 - accuracy: 0.6870  
Epoch 248/500  
47/47 - 3s - loss: 1.2356 - accuracy: 0.6826  
Epoch 249/500  
47/47 - 3s - loss: 1.2161 - accuracy: 0.6847  
Epoch 250/500  
47/47 - 3s - loss: 1.1876 - accuracy: 0.6952  
Epoch 251/500  
47/47 - 3s - loss: 1.1753 - accuracy: 0.6952  
Epoch 252/500  
47/47 - 3s - loss: 1.1571 - accuracy: 0.7071  
Epoch 253/500  
47/47 - 3s - loss: 1.1513 - accuracy: 0.7032  
Epoch 254/500  
47/47 - 3s - loss: 1.1435 - accuracy: 0.7072  
Epoch 255/500  
47/47 - 3s - loss: 1.1463 - accuracy: 0.7037  
Epoch 256/500  
47/47 - 3s - loss: 1.1371 - accuracy: 0.7060  
Epoch 257/500  
47/47 - 3s - loss: 1.1238 - accuracy: 0.7103  
Epoch 258/500  
47/47 - 3s - loss: 1.1126 - accuracy: 0.7161  
Epoch 259/500

47/47 - 3s - loss: 1.0986 - accuracy: 0.7209  
Epoch 260/500  
47/47 - 3s - loss: 1.0805 - accuracy: 0.7255  
Epoch 261/500  
47/47 - 3s - loss: 1.0845 - accuracy: 0.7271  
Epoch 262/500  
47/47 - 3s - loss: 1.0897 - accuracy: 0.7147  
Epoch 263/500  
47/47 - 3s - loss: 1.0855 - accuracy: 0.7234  
Epoch 264/500  
47/47 - 3s - loss: 1.0900 - accuracy: 0.7195  
Epoch 265/500  
47/47 - 3s - loss: 1.1080 - accuracy: 0.7101  
Epoch 266/500  
47/47 - 3s - loss: 1.1040 - accuracy: 0.7126  
Epoch 267/500  
47/47 - 3s - loss: 1.0911 - accuracy: 0.7198  
Epoch 268/500  
47/47 - 3s - loss: 1.0906 - accuracy: 0.7147  
Epoch 269/500  
47/47 - 3s - loss: 1.0819 - accuracy: 0.7188  
Epoch 270/500  
47/47 - 3s - loss: 1.0497 - accuracy: 0.7275  
Epoch 271/500  
47/47 - 3s - loss: 1.0299 - accuracy: 0.7340  
Epoch 272/500  
47/47 - 3s - loss: 1.0279 - accuracy: 0.7346  
Epoch 273/500  
47/47 - 3s - loss: 1.0080 - accuracy: 0.7376  
Epoch 274/500  
47/47 - 3s - loss: 0.9992 - accuracy: 0.7410  
Epoch 275/500  
47/47 - 3s - loss: 0.9957 - accuracy: 0.7475  
Epoch 276/500  
47/47 - 3s - loss: 1.0083 - accuracy: 0.7388  
Epoch 277/500  
47/47 - 3s - loss: 1.0319 - accuracy: 0.7317  
Epoch 278/500  
47/47 - 3s - loss: 1.0095 - accuracy: 0.7386  
Epoch 279/500  
47/47 - 3s - loss: 0.9859 - accuracy: 0.7477  
Epoch 280/500  
47/47 - 3s - loss: 0.9684 - accuracy: 0.7457  
Epoch 281/500

47/47 - 3s - loss: 0.9499 - accuracy: 0.7608  
Epoch 282/500  
47/47 - 3s - loss: 0.9374 - accuracy: 0.7610  
Epoch 283/500  
47/47 - 3s - loss: 0.9266 - accuracy: 0.7660  
Epoch 284/500  
47/47 - 3s - loss: 0.9208 - accuracy: 0.7683  
Epoch 285/500  
47/47 - 3s - loss: 0.9053 - accuracy: 0.7724  
Epoch 286/500  
47/47 - 3s - loss: 0.9273 - accuracy: 0.7587  
Epoch 287/500  
47/47 - 3s - loss: 0.9079 - accuracy: 0.7700  
Epoch 288/500  
47/47 - 3s - loss: 0.9020 - accuracy: 0.7718  
Epoch 289/500  
47/47 - 3s - loss: 0.8826 - accuracy: 0.7798  
Epoch 290/500  
47/47 - 3s - loss: 0.8894 - accuracy: 0.7784  
Epoch 291/500  
47/47 - 3s - loss: 0.8972 - accuracy: 0.7704  
Epoch 292/500  
47/47 - 3s - loss: 0.8882 - accuracy: 0.7731  
Epoch 293/500  
47/47 - 3s - loss: 0.8821 - accuracy: 0.7757  
Epoch 294/500  
47/47 - 3s - loss: 0.8663 - accuracy: 0.7811  
Epoch 295/500  
47/47 - 3s - loss: 0.8704 - accuracy: 0.7816  
Epoch 296/500  
47/47 - 3s - loss: 0.8702 - accuracy: 0.7811  
Epoch 297/500  
47/47 - 3s - loss: 0.8560 - accuracy: 0.7853  
Epoch 298/500  
47/47 - 3s - loss: 0.8462 - accuracy: 0.7880  
Epoch 299/500  
47/47 - 3s - loss: 0.8404 - accuracy: 0.7903  
Epoch 300/500  
47/47 - 3s - loss: 0.8292 - accuracy: 0.7924  
Epoch 301/500  
47/47 - 3s - loss: 0.8123 - accuracy: 0.7942  
Epoch 302/500  
47/47 - 3s - loss: 0.8101 - accuracy: 0.7977  
Epoch 303/500

47/47 - 3s - loss: 0.8140 - accuracy: 0.7963  
Epoch 304/500  
47/47 - 3s - loss: 0.8187 - accuracy: 0.7958  
Epoch 305/500  
47/47 - 3s - loss: 0.8187 - accuracy: 0.7949  
Epoch 306/500  
47/47 - 3s - loss: 0.8190 - accuracy: 0.7917  
Epoch 307/500  
47/47 - 3s - loss: 0.8113 - accuracy: 0.7958  
Epoch 308/500  
47/47 - 3s - loss: 0.7934 - accuracy: 0.8004  
Epoch 309/500  
47/47 - 3s - loss: 0.8052 - accuracy: 0.7970  
Epoch 310/500  
47/47 - 3s - loss: 0.7950 - accuracy: 0.8006  
Epoch 311/500  
47/47 - 3s - loss: 0.7767 - accuracy: 0.8073  
Epoch 312/500  
47/47 - 3s - loss: 0.7767 - accuracy: 0.8052  
Epoch 313/500  
47/47 - 3s - loss: 0.7813 - accuracy: 0.8038  
Epoch 314/500  
47/47 - 3s - loss: 0.7813 - accuracy: 0.8039  
Epoch 315/500  
47/47 - 3s - loss: 0.7717 - accuracy: 0.8064  
Epoch 316/500  
47/47 - 3s - loss: 0.7515 - accuracy: 0.8137  
Epoch 317/500  
47/47 - 3s - loss: 0.7242 - accuracy: 0.8233  
Epoch 318/500  
47/47 - 3s - loss: 0.7063 - accuracy: 0.8258  
Epoch 319/500  
47/47 - 3s - loss: 0.7069 - accuracy: 0.8263  
Epoch 320/500  
47/47 - 3s - loss: 0.7095 - accuracy: 0.8251  
Epoch 321/500  
47/47 - 3s - loss: 0.6932 - accuracy: 0.8304  
Epoch 322/500  
47/47 - 3s - loss: 0.6832 - accuracy: 0.8362  
Epoch 323/500  
47/47 - 3s - loss: 0.6753 - accuracy: 0.8382  
Epoch 324/500  
47/47 - 3s - loss: 0.6780 - accuracy: 0.8364  
Epoch 325/500

47/47 - 3s - loss: 0.7301 - accuracy: 0.8192  
Epoch 326/500  
47/47 - 3s - loss: 0.7618 - accuracy: 0.8052  
Epoch 327/500  
47/47 - 3s - loss: 0.7983 - accuracy: 0.7899  
Epoch 328/500  
47/47 - 3s - loss: 0.7608 - accuracy: 0.8045  
Epoch 329/500  
47/47 - 3s - loss: 0.7571 - accuracy: 0.8078  
Epoch 330/500  
47/47 - 3s - loss: 0.7213 - accuracy: 0.8196  
Epoch 331/500  
47/47 - 3s - loss: 0.7293 - accuracy: 0.8144  
Epoch 332/500  
47/47 - 3s - loss: 0.6875 - accuracy: 0.8254  
Epoch 333/500  
47/47 - 3s - loss: 0.6517 - accuracy: 0.8378  
Epoch 334/500  
47/47 - 3s - loss: 0.6300 - accuracy: 0.8465  
Epoch 335/500  
47/47 - 3s - loss: 0.6211 - accuracy: 0.8515  
Epoch 336/500  
47/47 - 3s - loss: 0.6076 - accuracy: 0.8533  
Epoch 337/500  
47/47 - 3s - loss: 0.6000 - accuracy: 0.8549  
Epoch 338/500  
47/47 - 3s - loss: 0.6030 - accuracy: 0.8552  
Epoch 339/500  
47/47 - 3s - loss: 0.6193 - accuracy: 0.8515  
Epoch 340/500  
47/47 - 3s - loss: 0.6179 - accuracy: 0.8488  
Epoch 341/500  
47/47 - 3s - loss: 0.6125 - accuracy: 0.8485  
Epoch 342/500  
47/47 - 3s - loss: 0.6040 - accuracy: 0.8549  
Epoch 343/500  
47/47 - 3s - loss: 0.5903 - accuracy: 0.8588  
Epoch 344/500  
47/47 - 3s - loss: 0.5764 - accuracy: 0.8632  
Epoch 345/500  
47/47 - 3s - loss: 0.5741 - accuracy: 0.8646  
Epoch 346/500  
47/47 - 3s - loss: 0.5686 - accuracy: 0.8650  
Epoch 347/500

47/47 - 3s - loss: 0.5546 - accuracy: 0.8699  
Epoch 348/500  
47/47 - 3s - loss: 0.5705 - accuracy: 0.8637  
Epoch 349/500  
47/47 - 3s - loss: 0.5610 - accuracy: 0.8685  
Epoch 350/500  
47/47 - 3s - loss: 0.5566 - accuracy: 0.8653  
Epoch 351/500  
47/47 - 3s - loss: 0.5478 - accuracy: 0.8744  
Epoch 352/500  
47/47 - 3s - loss: 0.5521 - accuracy: 0.8694  
Epoch 353/500  
47/47 - 3s - loss: 0.5905 - accuracy: 0.8511  
Epoch 354/500  
47/47 - 3s - loss: 0.5695 - accuracy: 0.8616  
Epoch 355/500  
47/47 - 3s - loss: 0.5418 - accuracy: 0.8669  
Epoch 356/500  
47/47 - 3s - loss: 0.5271 - accuracy: 0.8801  
Epoch 357/500  
47/47 - 3s - loss: 0.5234 - accuracy: 0.8785  
Epoch 358/500  
47/47 - 3s - loss: 0.5295 - accuracy: 0.8746  
Epoch 359/500  
47/47 - 3s - loss: 0.5249 - accuracy: 0.8760  
Epoch 360/500  
47/47 - 3s - loss: 0.6173 - accuracy: 0.8472  
Epoch 361/500  
47/47 - 3s - loss: 0.7177 - accuracy: 0.8119  
Epoch 362/500  
47/47 - 3s - loss: 0.7426 - accuracy: 0.8000  
Epoch 363/500  
47/47 - 3s - loss: 0.6776 - accuracy: 0.8194  
Epoch 364/500  
47/47 - 3s - loss: 0.5890 - accuracy: 0.8490  
Epoch 365/500  
47/47 - 3s - loss: 0.5509 - accuracy: 0.8630  
Epoch 366/500  
47/47 - 3s - loss: 0.5092 - accuracy: 0.8806  
Epoch 367/500  
47/47 - 3s - loss: 0.4778 - accuracy: 0.8866  
Epoch 368/500  
47/47 - 3s - loss: 0.4642 - accuracy: 0.8960  
Epoch 369/500

47/47 - 3s - loss: 0.4451 - accuracy: 0.8998  
Epoch 370/500  
47/47 - 3s - loss: 0.4443 - accuracy: 0.8990  
Epoch 371/500  
47/47 - 3s - loss: 0.4353 - accuracy: 0.9067  
Epoch 372/500  
47/47 - 3s - loss: 0.4295 - accuracy: 0.9038  
Epoch 373/500  
47/47 - 3s - loss: 0.4255 - accuracy: 0.9070  
Epoch 374/500  
47/47 - 3s - loss: 0.4211 - accuracy: 0.9097  
Epoch 375/500  
47/47 - 3s - loss: 0.4192 - accuracy: 0.9086  
Epoch 376/500  
47/47 - 3s - loss: 0.4191 - accuracy: 0.9092  
Epoch 377/500  
47/47 - 3s - loss: 0.4112 - accuracy: 0.9141  
Epoch 378/500  
47/47 - 3s - loss: 0.4090 - accuracy: 0.9122  
Epoch 379/500  
47/47 - 3s - loss: 0.4127 - accuracy: 0.9088  
Epoch 380/500  
47/47 - 3s - loss: 0.4149 - accuracy: 0.9109  
Epoch 381/500  
47/47 - 3s - loss: 0.4026 - accuracy: 0.9143  
Epoch 382/500  
47/47 - 3s - loss: 0.4084 - accuracy: 0.9095  
Epoch 383/500  
47/47 - 3s - loss: 0.4152 - accuracy: 0.9125  
Epoch 384/500  
47/47 - 3s - loss: 0.4600 - accuracy: 0.8909  
Epoch 385/500  
47/47 - 3s - loss: 0.5658 - accuracy: 0.8515  
Epoch 386/500  
47/47 - 3s - loss: 0.6369 - accuracy: 0.8259  
Epoch 387/500  
47/47 - 3s - loss: 0.6468 - accuracy: 0.8245  
Epoch 388/500  
47/47 - 3s - loss: 0.6538 - accuracy: 0.8268  
Epoch 389/500  
47/47 - 3s - loss: 0.6069 - accuracy: 0.8357  
Epoch 390/500  
47/47 - 3s - loss: 0.4928 - accuracy: 0.8738  
Epoch 391/500

47/47 - 3s - loss: 0.4333 - accuracy: 0.8990  
Epoch 392/500  
47/47 - 3s - loss: 0.3950 - accuracy: 0.9106  
Epoch 393/500  
47/47 - 3s - loss: 0.3715 - accuracy: 0.9200  
Epoch 394/500  
47/47 - 3s - loss: 0.3602 - accuracy: 0.9239  
Epoch 395/500  
47/47 - 3s - loss: 0.3535 - accuracy: 0.9287  
Epoch 396/500  
47/47 - 3s - loss: 0.3445 - accuracy: 0.9260  
Epoch 397/500  
47/47 - 3s - loss: 0.3377 - accuracy: 0.9296  
Epoch 398/500  
47/47 - 3s - loss: 0.3388 - accuracy: 0.9319  
Epoch 399/500  
47/47 - 3s - loss: 0.3312 - accuracy: 0.9301  
Epoch 400/500  
47/47 - 3s - loss: 0.3279 - accuracy: 0.9345  
Epoch 401/500  
47/47 - 3s - loss: 0.3304 - accuracy: 0.9329  
Epoch 402/500  
47/47 - 3s - loss: 0.3302 - accuracy: 0.9303  
Epoch 403/500  
47/47 - 3s - loss: 0.3206 - accuracy: 0.9368  
Epoch 404/500  
47/47 - 3s - loss: 0.3259 - accuracy: 0.9342  
Epoch 405/500  
47/47 - 3s - loss: 0.3166 - accuracy: 0.9352  
Epoch 406/500  
47/47 - 3s - loss: 0.3174 - accuracy: 0.9352  
Epoch 407/500  
47/47 - 3s - loss: 0.3100 - accuracy: 0.9358  
Epoch 408/500  
47/47 - 3s - loss: 0.3043 - accuracy: 0.9372  
Epoch 409/500  
47/47 - 3s - loss: 0.3245 - accuracy: 0.9331  
Epoch 410/500  
47/47 - 3s - loss: 0.3372 - accuracy: 0.9317  
Epoch 411/500  
47/47 - 3s - loss: 0.3527 - accuracy: 0.9225  
Epoch 412/500  
47/47 - 3s - loss: 0.3809 - accuracy: 0.9123  
Epoch 413/500

47/47 - 3s - loss: 0.5343 - accuracy: 0.8579  
Epoch 414/500  
47/47 - 3s - loss: 0.5687 - accuracy: 0.8416  
Epoch 415/500  
47/47 - 3s - loss: 0.5840 - accuracy: 0.8423  
Epoch 416/500  
47/47 - 3s - loss: 0.5547 - accuracy: 0.8490  
Epoch 417/500  
47/47 - 3s - loss: 0.4825 - accuracy: 0.8742  
Epoch 418/500  
47/47 - 3s - loss: 0.3725 - accuracy: 0.9097  
Epoch 419/500  
47/47 - 3s - loss: 0.3419 - accuracy: 0.9228  
Epoch 420/500  
47/47 - 3s - loss: 0.3047 - accuracy: 0.9367  
Epoch 421/500  
47/47 - 3s - loss: 0.2829 - accuracy: 0.9448  
Epoch 422/500  
47/47 - 3s - loss: 0.2739 - accuracy: 0.9469  
Epoch 423/500  
47/47 - 3s - loss: 0.2637 - accuracy: 0.9509  
Epoch 424/500  
47/47 - 3s - loss: 0.2583 - accuracy: 0.9498  
Epoch 425/500  
47/47 - 3s - loss: 0.2537 - accuracy: 0.9555  
Epoch 426/500  
47/47 - 3s - loss: 0.2536 - accuracy: 0.9516  
Epoch 427/500  
47/47 - 3s - loss: 0.2505 - accuracy: 0.9539  
Epoch 428/500  
47/47 - 3s - loss: 0.2439 - accuracy: 0.9555  
Epoch 429/500  
47/47 - 3s - loss: 0.2423 - accuracy: 0.9546  
Epoch 430/500  
47/47 - 3s - loss: 0.2372 - accuracy: 0.9551  
Epoch 431/500  
47/47 - 3s - loss: 0.2375 - accuracy: 0.9569  
Epoch 432/500  
47/47 - 3s - loss: 0.2393 - accuracy: 0.9562  
Epoch 433/500  
47/47 - 3s - loss: 0.2405 - accuracy: 0.9542  
Epoch 434/500  
47/47 - 3s - loss: 0.2350 - accuracy: 0.9604  
Epoch 435/500

47/47 - 3s - loss: 0.2313 - accuracy: 0.9608  
Epoch 436/500  
47/47 - 3s - loss: 0.2450 - accuracy: 0.9560  
Epoch 437/500  
47/47 - 3s - loss: 0.2391 - accuracy: 0.9533  
Epoch 438/500  
47/47 - 3s - loss: 0.2360 - accuracy: 0.9585  
Epoch 439/500  
47/47 - 3s - loss: 0.2628 - accuracy: 0.9471  
Epoch 440/500  
47/47 - 3s - loss: 0.3034 - accuracy: 0.9340  
Epoch 441/500  
47/47 - 3s - loss: 0.3432 - accuracy: 0.9228  
Epoch 442/500  
47/47 - 3s - loss: 0.4955 - accuracy: 0.8730  
Epoch 443/500  
47/47 - 3s - loss: 0.5357 - accuracy: 0.8547  
Epoch 444/500  
47/47 - 3s - loss: 0.5044 - accuracy: 0.8636  
Epoch 445/500  
47/47 - 3s - loss: 0.4513 - accuracy: 0.8786  
Epoch 446/500  
47/47 - 3s - loss: 0.3621 - accuracy: 0.9090  
Epoch 447/500  
47/47 - 3s - loss: 0.2831 - accuracy: 0.9404  
Epoch 448/500  
47/47 - 3s - loss: 0.2447 - accuracy: 0.9532  
Epoch 449/500  
47/47 - 3s - loss: 0.2203 - accuracy: 0.9608  
Epoch 450/500  
47/47 - 3s - loss: 0.2086 - accuracy: 0.9627  
Epoch 451/500  
47/47 - 3s - loss: 0.2001 - accuracy: 0.9688  
Epoch 452/500  
47/47 - 3s - loss: 0.1938 - accuracy: 0.9672  
Epoch 453/500  
47/47 - 3s - loss: 0.1917 - accuracy: 0.9672  
Epoch 454/500  
47/47 - 3s - loss: 0.1876 - accuracy: 0.9679  
Epoch 455/500  
47/47 - 3s - loss: 0.1830 - accuracy: 0.9704  
Epoch 456/500  
47/47 - 3s - loss: 0.1813 - accuracy: 0.9700  
Epoch 457/500

47/47 - 3s - loss: 0.1790 - accuracy: 0.9725  
Epoch 458/500  
47/47 - 3s - loss: 0.1754 - accuracy: 0.9723  
Epoch 459/500  
47/47 - 3s - loss: 0.1747 - accuracy: 0.9713  
Epoch 460/500  
47/47 - 3s - loss: 0.1716 - accuracy: 0.9727  
Epoch 461/500  
47/47 - 3s - loss: 0.1668 - accuracy: 0.9769  
Epoch 462/500  
47/47 - 3s - loss: 0.1658 - accuracy: 0.9748  
Epoch 463/500  
47/47 - 3s - loss: 0.1768 - accuracy: 0.9720  
Epoch 464/500  
47/47 - 3s - loss: 0.2280 - accuracy: 0.9571  
Epoch 465/500  
47/47 - 3s - loss: 0.2427 - accuracy: 0.9471  
Epoch 466/500  
47/47 - 3s - loss: 0.2376 - accuracy: 0.9523  
Epoch 467/500  
47/47 - 3s - loss: 0.2370 - accuracy: 0.9535  
Epoch 468/500  
47/47 - 3s - loss: 0.2253 - accuracy: 0.9556  
Epoch 469/500  
47/47 - 3s - loss: 0.2383 - accuracy: 0.9519  
Epoch 470/500  
47/47 - 3s - loss: 0.2461 - accuracy: 0.9480  
Epoch 471/500  
47/47 - 3s - loss: 0.2154 - accuracy: 0.9587  
Epoch 472/500  
47/47 - 3s - loss: 0.1960 - accuracy: 0.9645  
Epoch 473/500  
47/47 - 3s - loss: 0.2037 - accuracy: 0.9579  
Epoch 474/500  
47/47 - 3s - loss: 0.1838 - accuracy: 0.9686  
Epoch 475/500  
47/47 - 3s - loss: 0.1622 - accuracy: 0.9746  
Epoch 476/500  
47/47 - 3s - loss: 0.1500 - accuracy: 0.9766  
Epoch 477/500  
47/47 - 3s - loss: 0.1409 - accuracy: 0.9812  
Epoch 478/500  
47/47 - 3s - loss: 0.1392 - accuracy: 0.9805  
Epoch 479/500

47/47 - 3s - loss: 0.1505 - accuracy: 0.9768  
Epoch 480/500  
47/47 - 3s - loss: 0.1494 - accuracy: 0.9784  
Epoch 481/500  
47/47 - 3s - loss: 0.1467 - accuracy: 0.9796  
Epoch 482/500  
47/47 - 3s - loss: 0.1401 - accuracy: 0.9800  
Epoch 483/500  
47/47 - 3s - loss: 0.1399 - accuracy: 0.9792  
Epoch 484/500  
47/47 - 3s - loss: 0.1404 - accuracy: 0.9798  
Epoch 485/500  
47/47 - 3s - loss: 0.1583 - accuracy: 0.9739  
Epoch 486/500  
47/47 - 3s - loss: 0.1575 - accuracy: 0.9760  
Epoch 487/500  
47/47 - 3s - loss: 0.1862 - accuracy: 0.9634  
Epoch 488/500  
47/47 - 3s - loss: 0.2449 - accuracy: 0.9478  
Epoch 489/500  
47/47 - 3s - loss: 0.3620 - accuracy: 0.9079  
Epoch 490/500  
47/47 - 3s - loss: 0.5260 - accuracy: 0.8577  
Epoch 491/500  
47/47 - 3s - loss: 0.5543 - accuracy: 0.8430  
Epoch 492/500  
47/47 - 3s - loss: 0.4726 - accuracy: 0.8707  
Epoch 493/500  
47/47 - 3s - loss: 0.3018 - accuracy: 0.9241  
Epoch 494/500  
47/47 - 3s - loss: 0.2405 - accuracy: 0.9436  
Epoch 495/500  
47/47 - 3s - loss: 0.1753 - accuracy: 0.9693  
Epoch 496/500  
47/47 - 3s - loss: 0.1427 - accuracy: 0.9782  
Epoch 497/500  
47/47 - 3s - loss: 0.1278 - accuracy: 0.9828  
Epoch 498/500  
47/47 - 3s - loss: 0.1197 - accuracy: 0.9851  
Epoch 499/500  
47/47 - 3s - loss: 0.1131 - accuracy: 0.9862  
Epoch 500/500  
47/47 - 3s - loss: 0.1100 - accuracy: 0.9867

Out[59]:

<tensorflow.python.keras.callbacks.History at 0x27fa6ce1970>