

## Apêndice B

Dados dos Epochs

Parâmetros 50

Epochs Totais: 500

Modelo: model1

Tokenizer: Token\_do\_deeplearning

Callback history do fit model:

```
Epoch 1/500
47/47 - 1s - loss: 6.9042 - accuracy: 0.0790
Epoch 2/500
47/47 - 1s - loss: 6.1952 - accuracy: 0.0822
Epoch 3/500
47/47 - 1s - loss: 6.1422 - accuracy: 0.0822
Epoch 4/500
47/47 - 1s - loss: 6.1318 - accuracy: 0.0822
Epoch 5/500
47/47 - 1s - loss: 6.1258 - accuracy: 0.0822
Epoch 6/500
47/47 - 1s - loss: 6.1202 - accuracy: 0.0822
Epoch 7/500
47/47 - 1s - loss: 6.1052 - accuracy: 0.0822
Epoch 8/500
47/47 - 1s - loss: 6.0431 - accuracy: 0.0822
Epoch 9/500
47/47 - 2s - loss: 5.9431 - accuracy: 0.0822
Epoch 10/500
47/47 - 2s - loss: 5.8749 - accuracy: 0.0822
Epoch 11/500
47/47 - 2s - loss: 5.8270 - accuracy: 0.0827
Epoch 12/500
47/47 - 2s - loss: 5.7645 - accuracy: 0.0884
Epoch 13/500
47/47 - 2s - loss: 5.6941 - accuracy: 0.0916
Epoch 14/500
47/47 - 2s - loss: 5.6242 - accuracy: 0.0933
Epoch 15/500
47/47 - 2s - loss: 5.5651 - accuracy: 0.0956
Epoch 16/500
47/47 - 2s - loss: 5.5019 - accuracy: 0.0997
Epoch 17/500
```

47/47 - 2s - loss: 5.4301 - accuracy: 0.1015  
Epoch 18/500  
47/47 - 2s - loss: 5.3591 - accuracy: 0.1031  
Epoch 19/500  
47/47 - 2s - loss: 5.2953 - accuracy: 0.1063  
Epoch 20/500  
47/47 - 2s - loss: 5.2410 - accuracy: 0.1072  
Epoch 21/500  
47/47 - 2s - loss: 5.1860 - accuracy: 0.1077  
Epoch 22/500  
47/47 - 2s - loss: 5.1356 - accuracy: 0.1073  
Epoch 23/500  
47/47 - 2s - loss: 5.0907 - accuracy: 0.1093  
Epoch 24/500  
47/47 - 2s - loss: 5.0465 - accuracy: 0.1111  
Epoch 25/500  
47/47 - 2s - loss: 5.0025 - accuracy: 0.1109  
Epoch 26/500  
47/47 - 3s - loss: 4.9651 - accuracy: 0.1152  
Epoch 27/500  
47/47 - 3s - loss: 4.9289 - accuracy: 0.1116  
Epoch 28/500  
47/47 - 3s - loss: 4.8887 - accuracy: 0.1143  
Epoch 29/500  
47/47 - 3s - loss: 4.8568 - accuracy: 0.1128  
Epoch 30/500  
47/47 - 2s - loss: 4.8183 - accuracy: 0.1162  
Epoch 31/500  
47/47 - 2s - loss: 4.7875 - accuracy: 0.1159  
Epoch 32/500  
47/47 - 2s - loss: 4.7487 - accuracy: 0.1137  
Epoch 33/500  
47/47 - 2s - loss: 4.7130 - accuracy: 0.1167  
Epoch 34/500  
47/47 - 2s - loss: 4.6813 - accuracy: 0.1175  
Epoch 35/500  
47/47 - 2s - loss: 4.6529 - accuracy: 0.1175  
Epoch 36/500  
47/47 - 3s - loss: 4.6217 - accuracy: 0.1199  
Epoch 37/500  
47/47 - 2s - loss: 4.5933 - accuracy: 0.1171  
Epoch 38/500  
47/47 - 2s - loss: 4.5559 - accuracy: 0.1217  
Epoch 39/500

47/47 - 2s - loss: 4.5302 - accuracy: 0.1228  
Epoch 40/500  
47/47 - 2s - loss: 4.5000 - accuracy: 0.1228  
Epoch 41/500  
47/47 - 2s - loss: 4.4736 - accuracy: 0.1237  
Epoch 42/500  
47/47 - 2s - loss: 4.4527 - accuracy: 0.1251  
Epoch 43/500  
47/47 - 2s - loss: 4.4195 - accuracy: 0.1265  
Epoch 44/500  
47/47 - 2s - loss: 4.3873 - accuracy: 0.1279  
Epoch 45/500  
47/47 - 2s - loss: 4.3613 - accuracy: 0.1260  
Epoch 46/500  
47/47 - 2s - loss: 4.3388 - accuracy: 0.1265  
Epoch 47/500  
47/47 - 2s - loss: 4.3082 - accuracy: 0.1290  
Epoch 48/500  
47/47 - 2s - loss: 4.2784 - accuracy: 0.1329  
Epoch 49/500  
47/47 - 2s - loss: 4.2495 - accuracy: 0.1384  
Epoch 50/500  
47/47 - 2s - loss: 4.2211 - accuracy: 0.1389  
Epoch 51/500  
47/47 - 2s - loss: 4.1897 - accuracy: 0.1375  
Epoch 52/500  
47/47 - 2s - loss: 4.1599 - accuracy: 0.1414  
Epoch 53/500  
47/47 - 2s - loss: 4.1323 - accuracy: 0.1427  
Epoch 54/500  
47/47 - 2s - loss: 4.0989 - accuracy: 0.1432  
Epoch 55/500  
47/47 - 2s - loss: 4.0648 - accuracy: 0.1467  
Epoch 56/500  
47/47 - 2s - loss: 4.0455 - accuracy: 0.1521  
Epoch 57/500  
47/47 - 2s - loss: 4.0079 - accuracy: 0.1519  
Epoch 58/500  
47/47 - 2s - loss: 3.9789 - accuracy: 0.1542  
Epoch 59/500  
47/47 - 2s - loss: 3.9512 - accuracy: 0.1574  
Epoch 60/500  
47/47 - 2s - loss: 3.9179 - accuracy: 0.1599  
Epoch 61/500

47/47 - 2s - loss: 3.8944 - accuracy: 0.1650  
Epoch 62/500  
47/47 - 2s - loss: 3.8590 - accuracy: 0.1641  
Epoch 63/500  
47/47 - 2s - loss: 3.8279 - accuracy: 0.1666  
Epoch 64/500  
47/47 - 2s - loss: 3.8023 - accuracy: 0.1702  
Epoch 65/500  
47/47 - 2s - loss: 3.7753 - accuracy: 0.1757  
Epoch 66/500  
47/47 - 2s - loss: 3.7472 - accuracy: 0.1794  
Epoch 67/500  
47/47 - 2s - loss: 3.7168 - accuracy: 0.1822  
Epoch 68/500  
47/47 - 2s - loss: 3.6987 - accuracy: 0.1836  
Epoch 69/500  
47/47 - 2s - loss: 3.6643 - accuracy: 0.1859  
Epoch 70/500  
47/47 - 2s - loss: 3.6382 - accuracy: 0.1897  
Epoch 71/500  
47/47 - 2s - loss: 3.6123 - accuracy: 0.1985  
Epoch 72/500  
47/47 - 2s - loss: 3.5821 - accuracy: 0.1957  
Epoch 73/500  
47/47 - 2s - loss: 3.5579 - accuracy: 0.2012  
Epoch 74/500  
47/47 - 2s - loss: 3.5233 - accuracy: 0.1996  
Epoch 75/500  
47/47 - 2s - loss: 3.4958 - accuracy: 0.2065  
Epoch 76/500  
47/47 - 2s - loss: 3.4677 - accuracy: 0.2087  
Epoch 77/500  
47/47 - 2s - loss: 3.4406 - accuracy: 0.2150  
Epoch 78/500  
47/47 - 2s - loss: 3.4174 - accuracy: 0.2191  
Epoch 79/500  
47/47 - 2s - loss: 3.3891 - accuracy: 0.2175  
Epoch 80/500  
47/47 - 2s - loss: 3.3661 - accuracy: 0.2250  
Epoch 81/500  
47/47 - 2s - loss: 3.3462 - accuracy: 0.2312  
Epoch 82/500  
47/47 - 2s - loss: 3.3098 - accuracy: 0.2324  
Epoch 83/500

47/47 - 2s - loss: 3.2834 - accuracy: 0.2374  
Epoch 84/500  
47/47 - 2s - loss: 3.2630 - accuracy: 0.2425  
Epoch 85/500  
47/47 - 2s - loss: 3.2428 - accuracy: 0.2468  
Epoch 86/500  
47/47 - 2s - loss: 3.2191 - accuracy: 0.2484  
Epoch 87/500  
47/47 - 2s - loss: 3.1983 - accuracy: 0.2457  
Epoch 88/500  
47/47 - 2s - loss: 3.1774 - accuracy: 0.2546  
Epoch 89/500  
47/47 - 2s - loss: 3.1581 - accuracy: 0.2576  
Epoch 90/500  
47/47 - 2s - loss: 3.1203 - accuracy: 0.2693  
Epoch 91/500  
47/47 - 2s - loss: 3.0958 - accuracy: 0.2718  
Epoch 92/500  
47/47 - 2s - loss: 3.0751 - accuracy: 0.2727  
Epoch 93/500  
47/47 - 2s - loss: 3.0556 - accuracy: 0.2763  
Epoch 94/500  
47/47 - 2s - loss: 3.0275 - accuracy: 0.2835  
Epoch 95/500  
47/47 - 2s - loss: 3.0077 - accuracy: 0.2850  
Epoch 96/500  
47/47 - 2s - loss: 2.9909 - accuracy: 0.2915  
Epoch 97/500  
47/47 - 2s - loss: 2.9776 - accuracy: 0.2921  
Epoch 98/500  
47/47 - 2s - loss: 2.9418 - accuracy: 0.3027  
Epoch 99/500  
47/47 - 2s - loss: 2.9202 - accuracy: 0.3016  
Epoch 100/500  
47/47 - 2s - loss: 2.9153 - accuracy: 0.3007  
Epoch 101/500  
47/47 - 2s - loss: 2.8857 - accuracy: 0.3101  
Epoch 102/500  
47/47 - 2s - loss: 2.8701 - accuracy: 0.3141  
Epoch 103/500  
47/47 - 2s - loss: 2.8483 - accuracy: 0.3208  
Epoch 104/500  
47/47 - 2s - loss: 2.8280 - accuracy: 0.3203  
Epoch 105/500

47/47 - 2s - loss: 2.8069 - accuracy: 0.3247  
Epoch 106/500  
47/47 - 2s - loss: 2.7906 - accuracy: 0.3302  
Epoch 107/500  
47/47 - 2s - loss: 2.7730 - accuracy: 0.3323  
Epoch 108/500  
47/47 - 2s - loss: 2.7543 - accuracy: 0.3345  
Epoch 109/500  
47/47 - 2s - loss: 2.7360 - accuracy: 0.3396  
Epoch 110/500  
47/47 - 2s - loss: 2.7228 - accuracy: 0.3458  
Epoch 111/500  
47/47 - 2s - loss: 2.7024 - accuracy: 0.3453  
Epoch 112/500  
47/47 - 2s - loss: 2.6748 - accuracy: 0.3504  
Epoch 113/500  
47/47 - 2s - loss: 2.6549 - accuracy: 0.3572  
Epoch 114/500  
47/47 - 2s - loss: 2.6446 - accuracy: 0.3570  
Epoch 115/500  
47/47 - 2s - loss: 2.6211 - accuracy: 0.3589  
Epoch 116/500  
47/47 - 3s - loss: 2.6003 - accuracy: 0.3678  
Epoch 117/500  
47/47 - 2s - loss: 2.5777 - accuracy: 0.3660  
Epoch 118/500  
47/47 - 2s - loss: 2.5681 - accuracy: 0.3680  
Epoch 119/500  
47/47 - 2s - loss: 2.5567 - accuracy: 0.3683  
Epoch 120/500  
47/47 - 2s - loss: 2.5373 - accuracy: 0.3758  
Epoch 121/500  
47/47 - 2s - loss: 2.5181 - accuracy: 0.3818  
Epoch 122/500  
47/47 - 2s - loss: 2.5047 - accuracy: 0.3918  
Epoch 123/500  
47/47 - 2s - loss: 2.4841 - accuracy: 0.3888  
Epoch 124/500  
47/47 - 2s - loss: 2.4666 - accuracy: 0.3919  
Epoch 125/500  
47/47 - 2s - loss: 2.4421 - accuracy: 0.3978  
Epoch 126/500  
47/47 - 2s - loss: 2.4199 - accuracy: 0.3982  
Epoch 127/500

47/47 - 2s - loss: 2.3987 - accuracy: 0.4081  
Epoch 128/500  
47/47 - 2s - loss: 2.3844 - accuracy: 0.4088  
Epoch 129/500  
47/47 - 2s - loss: 2.3741 - accuracy: 0.4106  
Epoch 130/500  
47/47 - 2s - loss: 2.3611 - accuracy: 0.4132  
Epoch 131/500  
47/47 - 2s - loss: 2.3427 - accuracy: 0.4186  
Epoch 132/500  
47/47 - 2s - loss: 2.3318 - accuracy: 0.4203  
Epoch 133/500  
47/47 - 2s - loss: 2.3141 - accuracy: 0.4265  
Epoch 134/500  
47/47 - 2s - loss: 2.2938 - accuracy: 0.4310  
Epoch 135/500  
47/47 - 2s - loss: 2.2832 - accuracy: 0.4335  
Epoch 136/500  
47/47 - 2s - loss: 2.2597 - accuracy: 0.4411  
Epoch 137/500  
47/47 - 2s - loss: 2.2505 - accuracy: 0.4439  
Epoch 138/500  
47/47 - 2s - loss: 2.2398 - accuracy: 0.4445  
Epoch 139/500  
47/47 - 2s - loss: 2.2191 - accuracy: 0.4475  
Epoch 140/500  
47/47 - 2s - loss: 2.2076 - accuracy: 0.4500  
Epoch 141/500  
47/47 - 2s - loss: 2.2109 - accuracy: 0.4359  
Epoch 142/500  
47/47 - 2s - loss: 2.1926 - accuracy: 0.4487  
Epoch 143/500  
47/47 - 2s - loss: 2.1550 - accuracy: 0.4572  
Epoch 144/500  
47/47 - 2s - loss: 2.1350 - accuracy: 0.4666  
Epoch 145/500  
47/47 - 2s - loss: 2.1247 - accuracy: 0.4695  
Epoch 146/500  
47/47 - 2s - loss: 2.1170 - accuracy: 0.4689  
Epoch 147/500  
47/47 - 2s - loss: 2.0986 - accuracy: 0.4730  
Epoch 148/500  
47/47 - 2s - loss: 2.0810 - accuracy: 0.4815  
Epoch 149/500

47/47 - 2s - loss: 2.0691 - accuracy: 0.4769  
Epoch 150/500  
47/47 - 2s - loss: 2.0509 - accuracy: 0.4849  
Epoch 151/500  
47/47 - 2s - loss: 2.0373 - accuracy: 0.4894  
Epoch 152/500  
47/47 - 2s - loss: 2.0337 - accuracy: 0.4846  
Epoch 153/500  
47/47 - 2s - loss: 2.0209 - accuracy: 0.4876  
Epoch 154/500  
47/47 - 2s - loss: 2.0102 - accuracy: 0.4881  
Epoch 155/500  
47/47 - 2s - loss: 1.9826 - accuracy: 0.5000  
Epoch 156/500  
47/47 - 2s - loss: 1.9806 - accuracy: 0.4989  
Epoch 157/500  
47/47 - 2s - loss: 1.9676 - accuracy: 0.4984  
Epoch 158/500  
47/47 - 2s - loss: 1.9561 - accuracy: 0.5048  
Epoch 159/500  
47/47 - 2s - loss: 1.9428 - accuracy: 0.5078  
Epoch 160/500  
47/47 - 2s - loss: 1.9472 - accuracy: 0.5039  
Epoch 161/500  
47/47 - 2s - loss: 1.9165 - accuracy: 0.5142  
Epoch 162/500  
47/47 - 2s - loss: 1.8895 - accuracy: 0.5245  
Epoch 163/500  
47/47 - 2s - loss: 1.8812 - accuracy: 0.5174  
Epoch 164/500  
47/47 - 2s - loss: 1.8878 - accuracy: 0.5190  
Epoch 165/500  
47/47 - 2s - loss: 1.8688 - accuracy: 0.5218  
Epoch 166/500  
47/47 - 2s - loss: 1.8609 - accuracy: 0.5300  
Epoch 167/500  
47/47 - 2s - loss: 1.8497 - accuracy: 0.5319  
Epoch 168/500  
47/47 - 2s - loss: 1.8407 - accuracy: 0.5293  
Epoch 169/500  
47/47 - 2s - loss: 1.8418 - accuracy: 0.5231  
Epoch 170/500  
47/47 - 2s - loss: 1.8063 - accuracy: 0.5378  
Epoch 171/500



47/47 - 2s - loss: 1.7756 - accuracy: 0.5467  
Epoch 172/500  
47/47 - 2s - loss: 1.7763 - accuracy: 0.5483  
Epoch 173/500  
47/47 - 2s - loss: 1.7561 - accuracy: 0.5515  
Epoch 174/500  
47/47 - 2s - loss: 1.7557 - accuracy: 0.5607  
Epoch 175/500  
47/47 - 2s - loss: 1.7376 - accuracy: 0.5625  
Epoch 176/500  
47/47 - 2s - loss: 1.7276 - accuracy: 0.5589  
Epoch 177/500  
47/47 - 2s - loss: 1.7340 - accuracy: 0.5593  
Epoch 178/500  
47/47 - 2s - loss: 1.7192 - accuracy: 0.5593  
Epoch 179/500  
47/47 - 2s - loss: 1.6981 - accuracy: 0.5688  
Epoch 180/500  
47/47 - 2s - loss: 1.6886 - accuracy: 0.5724  
Epoch 181/500  
47/47 - 2s - loss: 1.6740 - accuracy: 0.5738  
Epoch 182/500  
47/47 - 2s - loss: 1.6614 - accuracy: 0.5777  
Epoch 183/500  
47/47 - 2s - loss: 1.6489 - accuracy: 0.5880  
Epoch 184/500  
47/47 - 2s - loss: 1.6490 - accuracy: 0.5782  
Epoch 185/500  
47/47 - 2s - loss: 1.6288 - accuracy: 0.5846  
Epoch 186/500  
47/47 - 2s - loss: 1.6319 - accuracy: 0.5809  
Epoch 187/500  
47/47 - 2s - loss: 1.6371 - accuracy: 0.5790  
Epoch 188/500  
47/47 - 2s - loss: 1.6272 - accuracy: 0.5767  
Epoch 189/500  
47/47 - 2s - loss: 1.6335 - accuracy: 0.5800  
Epoch 190/500  
47/47 - 2s - loss: 1.6048 - accuracy: 0.5921  
Epoch 191/500  
47/47 - 2s - loss: 1.5783 - accuracy: 0.5976  
Epoch 192/500  
47/47 - 2s - loss: 1.5641 - accuracy: 0.6042  
Epoch 193/500

47/47 - 2s - loss: 1.5674 - accuracy: 0.5976  
Epoch 194/500  
47/47 - 2s - loss: 1.5466 - accuracy: 0.6031  
Epoch 195/500  
47/47 - 2s - loss: 1.5364 - accuracy: 0.6109  
Epoch 196/500  
47/47 - 2s - loss: 1.5395 - accuracy: 0.6043  
Epoch 197/500  
47/47 - 2s - loss: 1.5310 - accuracy: 0.6077  
Epoch 198/500  
47/47 - 2s - loss: 1.5080 - accuracy: 0.6098  
Epoch 199/500  
47/47 - 2s - loss: 1.5068 - accuracy: 0.6125  
Epoch 200/500  
47/47 - 2s - loss: 1.4896 - accuracy: 0.6137  
Epoch 201/500  
47/47 - 2s - loss: 1.4716 - accuracy: 0.6262  
Epoch 202/500  
47/47 - 2s - loss: 1.4671 - accuracy: 0.6194  
Epoch 203/500  
47/47 - 2s - loss: 1.4678 - accuracy: 0.6226  
Epoch 204/500  
47/47 - 2s - loss: 1.4508 - accuracy: 0.6308  
Epoch 205/500  
47/47 - 2s - loss: 1.4336 - accuracy: 0.6356  
Epoch 206/500  
47/47 - 2s - loss: 1.4334 - accuracy: 0.6329  
Epoch 207/500  
47/47 - 2s - loss: 1.4413 - accuracy: 0.6265  
Epoch 208/500  
47/47 - 2s - loss: 1.4416 - accuracy: 0.6318  
Epoch 209/500  
47/47 - 2s - loss: 1.4297 - accuracy: 0.6306  
Epoch 210/500  
47/47 - 2s - loss: 1.4308 - accuracy: 0.6309  
Epoch 211/500  
47/47 - 2s - loss: 1.4013 - accuracy: 0.6402  
Epoch 212/500  
47/47 - 2s - loss: 1.3777 - accuracy: 0.6505  
Epoch 213/500  
47/47 - 2s - loss: 1.3678 - accuracy: 0.6498  
Epoch 214/500  
47/47 - 2s - loss: 1.3680 - accuracy: 0.6435  
Epoch 215/500

47/47 - 2s - loss: 1.3663 - accuracy: 0.6451  
Epoch 216/500  
47/47 - 2s - loss: 1.3464 - accuracy: 0.6567  
Epoch 217/500  
47/47 - 2s - loss: 1.3459 - accuracy: 0.6522  
Epoch 218/500  
47/47 - 2s - loss: 1.3326 - accuracy: 0.6565  
Epoch 219/500  
47/47 - 2s - loss: 1.3176 - accuracy: 0.6577  
Epoch 220/500  
47/47 - 2s - loss: 1.3062 - accuracy: 0.6641  
Epoch 221/500  
47/47 - 2s - loss: 1.3168 - accuracy: 0.6590  
Epoch 222/500  
47/47 - 2s - loss: 1.3238 - accuracy: 0.6506  
Epoch 223/500  
47/47 - 2s - loss: 1.2938 - accuracy: 0.6700  
Epoch 224/500  
47/47 - 2s - loss: 1.3012 - accuracy: 0.6625  
Epoch 225/500  
47/47 - 2s - loss: 1.2881 - accuracy: 0.6654  
Epoch 226/500  
47/47 - 2s - loss: 1.2657 - accuracy: 0.6716  
Epoch 227/500  
47/47 - 2s - loss: 1.2519 - accuracy: 0.6785  
Epoch 228/500  
47/47 - 2s - loss: 1.2410 - accuracy: 0.6780  
Epoch 229/500  
47/47 - 2s - loss: 1.2329 - accuracy: 0.6796  
Epoch 230/500  
47/47 - 2s - loss: 1.2328 - accuracy: 0.6838  
Epoch 231/500  
47/47 - 2s - loss: 1.2237 - accuracy: 0.6872  
Epoch 232/500  
47/47 - 2s - loss: 1.2422 - accuracy: 0.6796  
Epoch 233/500  
47/47 - 2s - loss: 1.2476 - accuracy: 0.6710  
Epoch 234/500  
47/47 - 2s - loss: 1.2135 - accuracy: 0.6881  
Epoch 235/500  
47/47 - 2s - loss: 1.1941 - accuracy: 0.6929  
Epoch 236/500  
47/47 - 2s - loss: 1.1622 - accuracy: 0.7064  
Epoch 237/500

47/47 - 2s - loss: 1.1523 - accuracy: 0.7072  
Epoch 238/500  
47/47 - 2s - loss: 1.1515 - accuracy: 0.7067  
Epoch 239/500  
47/47 - 2s - loss: 1.1572 - accuracy: 0.7065  
Epoch 240/500  
47/47 - 2s - loss: 1.1437 - accuracy: 0.7083  
Epoch 241/500  
47/47 - 2s - loss: 1.1223 - accuracy: 0.7122  
Epoch 242/500  
47/47 - 2s - loss: 1.1169 - accuracy: 0.7174  
Epoch 243/500  
47/47 - 2s - loss: 1.1445 - accuracy: 0.7095  
Epoch 244/500  
47/47 - 2s - loss: 1.1964 - accuracy: 0.6842  
Epoch 245/500  
47/47 - 2s - loss: 1.1944 - accuracy: 0.6865  
Epoch 246/500  
47/47 - 2s - loss: 1.1854 - accuracy: 0.6929  
Epoch 247/500  
47/47 - 2s - loss: 1.1597 - accuracy: 0.6957  
Epoch 248/500  
47/47 - 2s - loss: 1.1142 - accuracy: 0.7129  
Epoch 249/500  
47/47 - 2s - loss: 1.0884 - accuracy: 0.7218  
Epoch 250/500  
47/47 - 2s - loss: 1.0646 - accuracy: 0.7456  
Epoch 251/500  
47/47 - 2s - loss: 1.0684 - accuracy: 0.7333  
Epoch 252/500  
47/47 - 2s - loss: 1.0552 - accuracy: 0.7305  
Epoch 253/500  
47/47 - 2s - loss: 1.0312 - accuracy: 0.7401  
Epoch 254/500  
47/47 - 2s - loss: 1.0238 - accuracy: 0.7470  
Epoch 255/500  
47/47 - 2s - loss: 1.0290 - accuracy: 0.7367  
Epoch 256/500  
47/47 - 2s - loss: 1.0197 - accuracy: 0.7427  
Epoch 257/500  
47/47 - 2s - loss: 1.0192 - accuracy: 0.7418  
Epoch 258/500  
47/47 - 2s - loss: 1.0047 - accuracy: 0.7477  
Epoch 259/500

47/47 - 2s - loss: 0.9933 - accuracy: 0.7512  
Epoch 260/500  
47/47 - 2s - loss: 0.9947 - accuracy: 0.7470  
Epoch 261/500  
47/47 - 2s - loss: 0.9951 - accuracy: 0.7509  
Epoch 262/500  
47/47 - 2s - loss: 1.0065 - accuracy: 0.7441  
Epoch 263/500  
47/47 - 2s - loss: 1.0028 - accuracy: 0.7466  
Epoch 264/500  
47/47 - 2s - loss: 0.9853 - accuracy: 0.7488  
Epoch 265/500  
47/47 - 2s - loss: 0.9829 - accuracy: 0.7480  
Epoch 266/500  
47/47 - 2s - loss: 0.9658 - accuracy: 0.7553  
Epoch 267/500  
47/47 - 2s - loss: 0.9697 - accuracy: 0.7495  
Epoch 268/500  
47/47 - 2s - loss: 0.9746 - accuracy: 0.7548  
Epoch 269/500  
47/47 - 2s - loss: 0.9673 - accuracy: 0.7465  
Epoch 270/500  
47/47 - 2s - loss: 0.9696 - accuracy: 0.7518  
Epoch 271/500  
47/47 - 2s - loss: 0.9416 - accuracy: 0.7608  
Epoch 272/500  
47/47 - 2s - loss: 0.9229 - accuracy: 0.7665  
Epoch 273/500  
47/47 - 2s - loss: 0.9140 - accuracy: 0.7715  
Epoch 274/500  
47/47 - 2s - loss: 0.9030 - accuracy: 0.7715  
Epoch 275/500  
47/47 - 2s - loss: 0.8910 - accuracy: 0.7759  
Epoch 276/500  
47/47 - 2s - loss: 0.8789 - accuracy: 0.7780  
Epoch 277/500  
47/47 - 2s - loss: 0.8910 - accuracy: 0.7802  
Epoch 278/500  
47/47 - 2s - loss: 0.9202 - accuracy: 0.7706  
Epoch 279/500  
47/47 - 3s - loss: 0.9113 - accuracy: 0.7695  
Epoch 280/500  
47/47 - 2s - loss: 0.9485 - accuracy: 0.7546  
Epoch 281/500

47/47 - 2s - loss: 0.9372 - accuracy: 0.7559  
Epoch 282/500  
47/47 - 2s - loss: 0.9895 - accuracy: 0.7410  
Epoch 283/500  
47/47 - 2s - loss: 0.9678 - accuracy: 0.7516  
Epoch 284/500  
47/47 - 3s - loss: 0.9392 - accuracy: 0.7541  
Epoch 285/500  
47/47 - 2s - loss: 0.9189 - accuracy: 0.7642  
Epoch 286/500  
47/47 - 2s - loss: 0.8970 - accuracy: 0.7679  
Epoch 287/500  
47/47 - 2s - loss: 0.8653 - accuracy: 0.7816  
Epoch 288/500  
47/47 - 2s - loss: 0.8450 - accuracy: 0.7881  
Epoch 289/500  
47/47 - 3s - loss: 0.8340 - accuracy: 0.7919  
Epoch 290/500  
47/47 - 2s - loss: 0.8072 - accuracy: 0.7981  
Epoch 291/500  
47/47 - 2s - loss: 0.7977 - accuracy: 0.8013  
Epoch 292/500  
47/47 - 2s - loss: 0.7898 - accuracy: 0.8046  
Epoch 293/500  
47/47 - 2s - loss: 0.7827 - accuracy: 0.8078  
Epoch 294/500  
47/47 - 2s - loss: 0.7774 - accuracy: 0.8101  
Epoch 295/500  
47/47 - 2s - loss: 0.7745 - accuracy: 0.8114  
Epoch 296/500  
47/47 - 2s - loss: 0.7631 - accuracy: 0.8148  
Epoch 297/500  
47/47 - 2s - loss: 0.7653 - accuracy: 0.8153  
Epoch 298/500  
47/47 - 2s - loss: 0.7615 - accuracy: 0.8093  
Epoch 299/500  
47/47 - 2s - loss: 0.7669 - accuracy: 0.8174  
Epoch 300/500  
47/47 - 2s - loss: 0.7960 - accuracy: 0.8000  
Epoch 301/500  
47/47 - 2s - loss: 0.8325 - accuracy: 0.7866  
Epoch 302/500  
47/47 - 2s - loss: 0.8201 - accuracy: 0.7883  
Epoch 303/500

47/47 - 2s - loss: 0.7929 - accuracy: 0.8020  
Epoch 304/500  
47/47 - 2s - loss: 0.8182 - accuracy: 0.7873  
Epoch 305/500  
47/47 - 2s - loss: 0.8151 - accuracy: 0.7919  
Epoch 306/500  
47/47 - 2s - loss: 0.7823 - accuracy: 0.8000  
Epoch 307/500  
47/47 - 2s - loss: 0.7469 - accuracy: 0.8135  
Epoch 308/500  
47/47 - 2s - loss: 0.7374 - accuracy: 0.8146  
Epoch 309/500  
47/47 - 2s - loss: 0.7246 - accuracy: 0.8199  
Epoch 310/500  
47/47 - 2s - loss: 0.6989 - accuracy: 0.8304  
Epoch 311/500  
47/47 - 2s - loss: 0.7023 - accuracy: 0.8233  
Epoch 312/500  
47/47 - 2s - loss: 0.7119 - accuracy: 0.8227  
Epoch 313/500  
47/47 - 2s - loss: 0.6980 - accuracy: 0.8259  
Epoch 314/500  
47/47 - 2s - loss: 0.6787 - accuracy: 0.8352  
Epoch 315/500  
47/47 - 2s - loss: 0.6665 - accuracy: 0.8378  
Epoch 316/500  
47/47 - 2s - loss: 0.6802 - accuracy: 0.8323  
Epoch 317/500  
47/47 - 2s - loss: 0.6910 - accuracy: 0.8291  
Epoch 318/500  
47/47 - 2s - loss: 0.6995 - accuracy: 0.8275  
Epoch 319/500  
47/47 - 2s - loss: 0.6896 - accuracy: 0.8254  
Epoch 320/500  
47/47 - 2s - loss: 0.6869 - accuracy: 0.8298  
Epoch 321/500  
47/47 - 2s - loss: 0.6917 - accuracy: 0.8291  
Epoch 322/500  
47/47 - 2s - loss: 0.6837 - accuracy: 0.8263  
Epoch 323/500  
47/47 - 2s - loss: 0.6687 - accuracy: 0.8352  
Epoch 324/500  
47/47 - 2s - loss: 0.6654 - accuracy: 0.8339  
Epoch 325/500

47/47 - 2s - loss: 0.6740 - accuracy: 0.8286  
Epoch 326/500  
47/47 - 2s - loss: 0.6709 - accuracy: 0.8274  
Epoch 327/500  
47/47 - 2s - loss: 0.6446 - accuracy: 0.8391  
Epoch 328/500  
47/47 - 2s - loss: 0.6242 - accuracy: 0.8502  
Epoch 329/500  
47/47 - 2s - loss: 0.6080 - accuracy: 0.8534  
Epoch 330/500  
47/47 - 2s - loss: 0.6137 - accuracy: 0.8499  
Epoch 331/500  
47/47 - 2s - loss: 0.6477 - accuracy: 0.8378  
Epoch 332/500  
47/47 - 2s - loss: 0.6770 - accuracy: 0.8245  
Epoch 333/500  
47/47 - 2s - loss: 0.6842 - accuracy: 0.8229  
Epoch 334/500  
47/47 - 2s - loss: 0.6889 - accuracy: 0.8254  
Epoch 335/500  
47/47 - 2s - loss: 0.6385 - accuracy: 0.8432  
Epoch 336/500  
47/47 - 2s - loss: 0.6178 - accuracy: 0.8499  
Epoch 337/500  
47/47 - 2s - loss: 0.6045 - accuracy: 0.8540  
Epoch 338/500  
47/47 - 2s - loss: 0.6604 - accuracy: 0.8369  
Epoch 339/500  
47/47 - 2s - loss: 0.7286 - accuracy: 0.8107  
Epoch 340/500  
47/47 - 2s - loss: 0.7018 - accuracy: 0.8149  
Epoch 341/500  
47/47 - 2s - loss: 0.6411 - accuracy: 0.8355  
Epoch 342/500  
47/47 - 2s - loss: 0.6172 - accuracy: 0.8471  
Epoch 343/500  
47/47 - 2s - loss: 0.5759 - accuracy: 0.8573  
Epoch 344/500  
47/47 - 2s - loss: 0.5597 - accuracy: 0.8675  
Epoch 345/500  
47/47 - 2s - loss: 0.5541 - accuracy: 0.8680  
Epoch 346/500  
47/47 - 2s - loss: 0.5396 - accuracy: 0.8724  
Epoch 347/500



47/47 - 2s - loss: 0.5295 - accuracy: 0.8728  
Epoch 348/500  
47/47 - 2s - loss: 0.5253 - accuracy: 0.8817  
Epoch 349/500  
47/47 - 2s - loss: 0.5213 - accuracy: 0.8765  
Epoch 350/500  
47/47 - 2s - loss: 0.5141 - accuracy: 0.8790  
Epoch 351/500  
47/47 - 2s - loss: 0.5095 - accuracy: 0.8804  
Epoch 352/500  
47/47 - 2s - loss: 0.5096 - accuracy: 0.8818  
Epoch 353/500  
47/47 - 2s - loss: 0.5228 - accuracy: 0.8769  
Epoch 354/500  
47/47 - 2s - loss: 0.5350 - accuracy: 0.8719  
Epoch 355/500  
47/47 - 2s - loss: 0.5282 - accuracy: 0.8708  
Epoch 356/500  
47/47 - 2s - loss: 0.5163 - accuracy: 0.8762  
Epoch 357/500  
47/47 - 2s - loss: 0.5034 - accuracy: 0.8833  
Epoch 358/500  
47/47 - 2s - loss: 0.4998 - accuracy: 0.8845  
Epoch 359/500  
47/47 - 2s - loss: 0.5136 - accuracy: 0.8785  
Epoch 360/500  
47/47 - 2s - loss: 0.5209 - accuracy: 0.8746  
Epoch 361/500  
47/47 - 2s - loss: 0.5685 - accuracy: 0.8582  
Epoch 362/500  
47/47 - 2s - loss: 0.6186 - accuracy: 0.8387  
Epoch 363/500  
47/47 - 2s - loss: 0.7523 - accuracy: 0.7961  
Epoch 364/500  
47/47 - 2s - loss: 0.8195 - accuracy: 0.7651  
Epoch 365/500  
47/47 - 2s - loss: 0.7382 - accuracy: 0.7970  
Epoch 366/500  
47/47 - 2s - loss: 0.6082 - accuracy: 0.8432  
Epoch 367/500  
47/47 - 2s - loss: 0.5381 - accuracy: 0.8660  
Epoch 368/500  
47/47 - 2s - loss: 0.4819 - accuracy: 0.8895  
Epoch 369/500

47/47 - 2s - loss: 0.4582 - accuracy: 0.8983  
Epoch 370/500  
47/47 - 2s - loss: 0.4406 - accuracy: 0.9017  
Epoch 371/500  
47/47 - 2s - loss: 0.4357 - accuracy: 0.9047  
Epoch 372/500  
47/47 - 2s - loss: 0.4244 - accuracy: 0.9054  
Epoch 373/500  
47/47 - 2s - loss: 0.4208 - accuracy: 0.9038  
Epoch 374/500  
47/47 - 2s - loss: 0.4183 - accuracy: 0.9118  
Epoch 375/500  
47/47 - 2s - loss: 0.4182 - accuracy: 0.9092  
Epoch 376/500  
47/47 - 2s - loss: 0.4215 - accuracy: 0.9044  
Epoch 377/500  
47/47 - 2s - loss: 0.4077 - accuracy: 0.9115  
Epoch 378/500  
47/47 - 2s - loss: 0.4228 - accuracy: 0.9088  
Epoch 379/500  
47/47 - 2s - loss: 0.4181 - accuracy: 0.9061  
Epoch 380/500  
47/47 - 2s - loss: 0.4122 - accuracy: 0.9068  
Epoch 381/500  
47/47 - 2s - loss: 0.4456 - accuracy: 0.8964  
Epoch 382/500  
47/47 - 2s - loss: 0.4323 - accuracy: 0.8998  
Epoch 383/500  
47/47 - 2s - loss: 0.4144 - accuracy: 0.9108  
Epoch 384/500  
47/47 - 2s - loss: 0.4015 - accuracy: 0.9122  
Epoch 385/500  
47/47 - 2s - loss: 0.3966 - accuracy: 0.9129  
Epoch 386/500  
47/47 - 2s - loss: 0.3954 - accuracy: 0.9132  
Epoch 387/500  
47/47 - 2s - loss: 0.4059 - accuracy: 0.9097  
Epoch 388/500  
47/47 - 2s - loss: 0.3947 - accuracy: 0.9132  
Epoch 389/500  
47/47 - 2s - loss: 0.3949 - accuracy: 0.9125  
Epoch 390/500  
47/47 - 2s - loss: 0.3958 - accuracy: 0.9143  
Epoch 391/500

47/47 - 2s - loss: 0.4034 - accuracy: 0.9061  
Epoch 392/500  
47/47 - 2s - loss: 0.4164 - accuracy: 0.9053  
Epoch 393/500  
47/47 - 2s - loss: 0.4775 - accuracy: 0.8811  
Epoch 394/500  
47/47 - 2s - loss: 0.5192 - accuracy: 0.8701  
Epoch 395/500  
47/47 - 2s - loss: 0.4957 - accuracy: 0.8719  
Epoch 396/500  
47/47 - 2s - loss: 0.4828 - accuracy: 0.8776  
Epoch 397/500  
47/47 - 2s - loss: 0.4762 - accuracy: 0.8863  
Epoch 398/500  
47/47 - 2s - loss: 0.4444 - accuracy: 0.8927  
Epoch 399/500  
47/47 - 2s - loss: 0.4387 - accuracy: 0.8948  
Epoch 400/500  
47/47 - 2s - loss: 0.4760 - accuracy: 0.8822  
Epoch 401/500  
47/47 - 2s - loss: 0.4630 - accuracy: 0.8859  
Epoch 402/500  
47/47 - 2s - loss: 0.4260 - accuracy: 0.9015  
Epoch 403/500  
47/47 - 2s - loss: 0.3960 - accuracy: 0.9106  
Epoch 404/500  
47/47 - 2s - loss: 0.3658 - accuracy: 0.9196  
Epoch 405/500  
47/47 - 2s - loss: 0.3513 - accuracy: 0.9207  
Epoch 406/500  
47/47 - 2s - loss: 0.3511 - accuracy: 0.9262  
Epoch 407/500  
47/47 - 2s - loss: 0.3293 - accuracy: 0.9308  
Epoch 408/500  
47/47 - 2s - loss: 0.3288 - accuracy: 0.9313  
Epoch 409/500  
47/47 - 2s - loss: 0.3213 - accuracy: 0.9319  
Epoch 410/500  
47/47 - 2s - loss: 0.3121 - accuracy: 0.9363  
Epoch 411/500  
47/47 - 2s - loss: 0.3112 - accuracy: 0.9358  
Epoch 412/500  
47/47 - 2s - loss: 0.3150 - accuracy: 0.9335  
Epoch 413/500

47/47 - 2s - loss: 0.3189 - accuracy: 0.9312  
Epoch 414/500  
47/47 - 2s - loss: 0.3223 - accuracy: 0.9317  
Epoch 415/500  
47/47 - 2s - loss: 0.3176 - accuracy: 0.9336  
Epoch 416/500  
47/47 - 2s - loss: 0.3007 - accuracy: 0.9379  
Epoch 417/500  
47/47 - 2s - loss: 0.3120 - accuracy: 0.9326  
Epoch 418/500  
47/47 - 2s - loss: 0.3177 - accuracy: 0.9299  
Epoch 419/500  
47/47 - 2s - loss: 0.3285 - accuracy: 0.9264  
Epoch 420/500  
47/47 - 2s - loss: 0.3452 - accuracy: 0.9237  
Epoch 421/500  
47/47 - 2s - loss: 0.3610 - accuracy: 0.9154  
Epoch 422/500  
47/47 - 2s - loss: 0.4907 - accuracy: 0.8712  
Epoch 423/500  
47/47 - 2s - loss: 0.5525 - accuracy: 0.8478  
Epoch 424/500  
47/47 - 2s - loss: 0.5129 - accuracy: 0.8588  
Epoch 425/500  
47/47 - 2s - loss: 0.4681 - accuracy: 0.8793  
Epoch 426/500  
47/47 - 2s - loss: 0.3853 - accuracy: 0.9042  
Epoch 427/500  
47/47 - 2s - loss: 0.3317 - accuracy: 0.9276  
Epoch 428/500  
47/47 - 2s - loss: 0.2992 - accuracy: 0.9358  
Epoch 429/500  
47/47 - 2s - loss: 0.2803 - accuracy: 0.9411  
Epoch 430/500  
47/47 - 2s - loss: 0.2770 - accuracy: 0.9436  
Epoch 431/500  
47/47 - 2s - loss: 0.2724 - accuracy: 0.9443  
Epoch 432/500  
47/47 - 2s - loss: 0.2703 - accuracy: 0.9445  
Epoch 433/500  
47/47 - 2s - loss: 0.2577 - accuracy: 0.9485  
Epoch 434/500  
47/47 - 2s - loss: 0.2505 - accuracy: 0.9528  
Epoch 435/500

47/47 - 2s - loss: 0.2503 - accuracy: 0.9514  
Epoch 436/500  
47/47 - 2s - loss: 0.2435 - accuracy: 0.9528  
Epoch 437/500  
47/47 - 2s - loss: 0.2400 - accuracy: 0.9553  
Epoch 438/500  
47/47 - 2s - loss: 0.2353 - accuracy: 0.9555  
Epoch 439/500  
47/47 - 2s - loss: 0.2308 - accuracy: 0.9567  
Epoch 440/500  
47/47 - 2s - loss: 0.2320 - accuracy: 0.9555  
Epoch 441/500  
47/47 - 2s - loss: 0.2289 - accuracy: 0.9564  
Epoch 442/500  
47/47 - 2s - loss: 0.2228 - accuracy: 0.9599  
Epoch 443/500  
47/47 - 2s - loss: 0.2231 - accuracy: 0.9576  
Epoch 444/500  
47/47 - 2s - loss: 0.2212 - accuracy: 0.9595  
Epoch 445/500  
47/47 - 2s - loss: 0.2266 - accuracy: 0.9567  
Epoch 446/500  
47/47 - 2s - loss: 0.2362 - accuracy: 0.9549  
Epoch 447/500  
47/47 - 2s - loss: 0.3612 - accuracy: 0.9203  
Epoch 448/500  
47/47 - 2s - loss: 0.8484 - accuracy: 0.7676  
Epoch 449/500  
47/47 - 2s - loss: 0.8914 - accuracy: 0.7488  
Epoch 450/500  
47/47 - 2s - loss: 0.6778 - accuracy: 0.8025  
Epoch 451/500  
47/47 - 2s - loss: 0.4968 - accuracy: 0.8650  
Epoch 452/500  
47/47 - 2s - loss: 0.3554 - accuracy: 0.9116  
Epoch 453/500  
47/47 - 2s - loss: 0.3026 - accuracy: 0.9372  
Epoch 454/500  
47/47 - 2s - loss: 0.2719 - accuracy: 0.9400  
Epoch 455/500  
47/47 - 2s - loss: 0.2438 - accuracy: 0.9521  
Epoch 456/500  
47/47 - 2s - loss: 0.2255 - accuracy: 0.9564  
Epoch 457/500

47/47 - 2s - loss: 0.2126 - accuracy: 0.9619  
Epoch 458/500  
47/47 - 2s - loss: 0.2049 - accuracy: 0.9638  
Epoch 459/500  
47/47 - 2s - loss: 0.2008 - accuracy: 0.9626  
Epoch 460/500  
47/47 - 2s - loss: 0.2001 - accuracy: 0.9665  
Epoch 461/500  
47/47 - 2s - loss: 0.1911 - accuracy: 0.9693  
Epoch 462/500  
47/47 - 2s - loss: 0.1887 - accuracy: 0.9698  
Epoch 463/500  
47/47 - 2s - loss: 0.1877 - accuracy: 0.9691  
Epoch 464/500  
47/47 - 2s - loss: 0.1851 - accuracy: 0.9697  
Epoch 465/500  
47/47 - 2s - loss: 0.1825 - accuracy: 0.9716  
Epoch 466/500  
47/47 - 2s - loss: 0.1812 - accuracy: 0.9700  
Epoch 467/500  
47/47 - 2s - loss: 0.1770 - accuracy: 0.9729  
Epoch 468/500  
47/47 - 2s - loss: 0.1753 - accuracy: 0.9705  
Epoch 469/500  
47/47 - 2s - loss: 0.1719 - accuracy: 0.9739  
Epoch 470/500  
47/47 - 2s - loss: 0.1691 - accuracy: 0.9743  
Epoch 471/500  
47/47 - 2s - loss: 0.1711 - accuracy: 0.9718  
Epoch 472/500  
47/47 - 2s - loss: 0.1849 - accuracy: 0.9704  
Epoch 473/500  
47/47 - 2s - loss: 0.2184 - accuracy: 0.9617  
Epoch 474/500  
47/47 - 2s - loss: 0.2321 - accuracy: 0.9555  
Epoch 475/500  
47/47 - 2s - loss: 0.2978 - accuracy: 0.9262  
Epoch 476/500  
47/47 - 2s - loss: 0.3326 - accuracy: 0.9161  
Epoch 477/500  
47/47 - 2s - loss: 0.3961 - accuracy: 0.8960  
Epoch 478/500  
47/47 - 2s - loss: 0.3858 - accuracy: 0.9010  
Epoch 479/500

47/47 - 2s - loss: 0.3982 - accuracy: 0.8973  
Epoch 480/500  
47/47 - 2s - loss: 0.4368 - accuracy: 0.8836  
Epoch 481/500  
47/47 - 2s - loss: 0.3768 - accuracy: 0.9033  
Epoch 482/500  
47/47 - 2s - loss: 0.3336 - accuracy: 0.9170  
Epoch 483/500  
47/47 - 2s - loss: 0.2814 - accuracy: 0.9358  
Epoch 484/500  
47/47 - 2s - loss: 0.2209 - accuracy: 0.9576  
Epoch 485/500  
47/47 - 2s - loss: 0.1853 - accuracy: 0.9682  
Epoch 486/500  
47/47 - 2s - loss: 0.1712 - accuracy: 0.9734  
Epoch 487/500  
47/47 - 2s - loss: 0.1641 - accuracy: 0.9748  
Epoch 488/500  
47/47 - 2s - loss: 0.1544 - accuracy: 0.9778  
Epoch 489/500  
47/47 - 2s - loss: 0.1483 - accuracy: 0.9778  
Epoch 490/500  
47/47 - 2s - loss: 0.1448 - accuracy: 0.9794  
Epoch 491/500  
47/47 - 2s - loss: 0.1434 - accuracy: 0.9815  
Epoch 492/500  
47/47 - 2s - loss: 0.1403 - accuracy: 0.9815  
Epoch 493/500  
47/47 - 2s - loss: 0.1357 - accuracy: 0.9826  
Epoch 494/500  
47/47 - 2s - loss: 0.1361 - accuracy: 0.9821  
Epoch 495/500  
47/47 - 2s - loss: 0.1362 - accuracy: 0.9842  
Epoch 496/500  
47/47 - 2s - loss: 0.1375 - accuracy: 0.9823  
Epoch 497/500  
47/47 - 2s - loss: 0.1424 - accuracy: 0.9814  
Epoch 498/500  
47/47 - 2s - loss: 0.1379 - accuracy: 0.9819  
Epoch 499/500  
47/47 - 2s - loss: 0.1375 - accuracy: 0.9833  
Epoch 500/500  
47/47 - 2s - loss: 0.1335 - accuracy: 0.9846

Out[54]:

<tensorflow.python.keras.callbacks.History at 0x27ff8ee5c40>