Epoch 1/30

160/160 - 1920s - loss: 1.2221 - accuracy: 0.4439 - val\_loss: 1.0414 - val\_accuracy: 0.4992

Epoch 2/30

160/160 - 1842s - loss: 1.1122 - accuracy: 0.4636 - val\_loss: 1.0149 - val\_accuracy: 0.5016

Epoch 3/30

160/160 - 1840s - loss: 1.0609 - accuracy: 0.4806 - val\_loss: 0.9683 - val\_accuracy: 0.5382

Epoch 4/30

160/160 - 1855s - loss: 1.0193 - accuracy: 0.5162 - val\_loss: 0.9167 - val\_accuracy: 0.5631

Epoch 5/30

160/160 - 1843s - loss: 0.9902 - accuracy: 0.5258 - val\_loss: 0.8945 - val\_accuracy: 0.5709

Epoch 6/30

160/160 - 1844s - loss: 0.9582 - accuracy: 0.5422 - val\_loss: 0.8592 - val\_accuracy: 0.5981

Epoch 7/30

160/160 - 1843s - loss: 0.9448 - accuracy: 0.5414 - val\_loss: 0.8673 - val\_accuracy: 0.5755

Epoch 8/30

160/160 - 1843s - loss: 0.9156 - accuracy: 0.5563 - val\_loss: 0.8725 - val\_accuracy: 0.6153

Epoch 9/30

160/160 - 1843s - loss: 0.9096 - accuracy: 0.5643 - val\_loss: 0.8223 - val\_accuracy: 0.6301

Epoch 10/30

160/160 - 1855s - loss: 0.8850 - accuracy: 0.5778 - val\_loss: 0.8220 - val\_accuracy: 0.5802

Epoch 11/30

160/160 - 1841s - loss: 0.8768 - accuracy: 0.5860 - val\_loss: 0.7845 - val\_accuracy: 0.6495

Epoch 12/30

160/160 - 1847s - loss: 0.8591 - accuracy: 0.5923 - val\_loss: 0.8153 - val\_accuracy: 0.6519

Epoch 13/30

160/160 - 1858s - loss: 0.8347 - accuracy: 0.6112 - val\_loss: 0.8483 - val\_accuracy: 0.5849

Epoch 14/30

160/160 - 1853s - loss: 0.8263 - accuracy: 0.6134 - val\_loss: 0.7409 - val\_accuracy: 0.6425

Epoch 15/30

160/160 - 1848s - loss: 0.8097 - accuracy: 0.6271 - val\_loss: 0.7178 - val\_accuracy: 0.6822

Epoch 16/30

160/160 - 1854s - loss: 0.7861 - accuracy: 0.6388 - val\_loss: 0.7525 - val\_accuracy: 0.6558

Epoch 17/30

160/160 - 1843s - loss: 0.7665 - accuracy: 0.6546 - val\_loss: 0.6762 - val\_accuracy: 0.6978

Epoch 18/30

160/160 - 1859s - loss: 0.7437 - accuracy: 0.6667 - val\_loss: 0.6452 - val\_accuracy: 0.7181

Epoch 19/30

160/160 - 1846s - loss: 0.7073 - accuracy: 0.6894 - val\_loss: 0.6814 - val\_accuracy: 0.6924

Epoch 20/30

160/160 - 1840s - loss: 0.7124 - accuracy: 0.6855 - val\_loss: 0.6311 - val\_accuracy: 0.7181

Epoch 21/30

160/160 - 1841s - loss: 0.6775 - accuracy: 0.7033 - val\_loss: 0.5886 - val\_accuracy: 0.7492

Epoch 22/30

160/160 - 1843s - loss: 0.6505 - accuracy: 0.7207 - val\_loss: 0.5932 - val\_accuracy: 0.7453

Epoch 23/30

160/160 - 1841s - loss: 0.6444 - accuracy: 0.7291 - val\_loss: 0.5390 - val\_accuracy: 0.7812

Epoch 24/30

160/160 - 1848s - loss: 0.6093 - accuracy: 0.7512 - val\_loss: 0.5590 - val\_accuracy: 0.7695

Epoch 25/30

160/160 - 1843s - loss: 0.5801 - accuracy: 0.7621 - val\_loss: 0.5629 - val\_accuracy: 0.7679

Epoch 26/30

160/160 - 1843s - loss: 0.5585 - accuracy: 0.7723 - val\_loss: 0.4965 - val\_accuracy: 0.8006

Epoch 27/30

160/160 - 1846s - loss: 0.5119 - accuracy: 0.7932 - val\_loss: 0.5721 - val\_accuracy: 0.7671

Epoch 28/30

160/160 - 1844s - loss: 0.4957 - accuracy: 0.8010 - val\_loss: 0.5200 - val\_accuracy: 0.8092

Epoch 29/30

160/160 - 1848s - loss: 0.4731 - accuracy: 0.8178 - val\_loss: 0.4881 - val\_accuracy: 0.8146

Epoch 30/30

160/160 - 1850s - loss: 0.4447 - accuracy: 0.8264 - val\_loss: 0.3918 - val\_accuracy: 0.8559

Epoch 1/25

160/160 - 1846s - loss: 0.4274 - accuracy: 0.8425 - val\_loss: 0.3899 - val\_accuracy: 0.8520

Epoch 2/25

160/160 - 1849s - loss: 0.3789 - accuracy: 0.8579 - val\_loss: 0.4094 - val\_accuracy: 0.8427

Epoch 3/25

160/160 - 1841s - loss: 0.3301 - accuracy: 0.8769 - val\_loss: 0.9294 - val\_accuracy: 0.6706

Epoch 4/25

160/160 - 1846s - loss: 0.3515 - accuracy: 0.8706 - val\_loss: 0.3083 - val\_accuracy: 0.8824

Epoch 5/25

160/160 - 1840s - loss: 0.3108 - accuracy: 0.8898 - val\_loss: 0.3525 - val\_accuracy: 0.8637

Epoch 6/25

160/160 - 1843s - loss: 0.2429 - accuracy: 0.9181 - val\_loss: 0.2821 - val\_accuracy: 0.8941

Epoch 7/25

160/160 - 1840s - loss: 0.2680 - accuracy: 0.9097 - val\_loss: 0.2456 - val\_accuracy: 0.9120

Epoch 8/25

160/160 - 1843s - loss: 0.2229 - accuracy: 0.9234 - val\_loss: 0.2017 - val\_accuracy: 0.9276

Epoch 9/25

160/160 - 1840s - loss: 0.2263 - accuracy: 0.9246 - val\_loss: 0.3096 - val\_accuracy: 0.8754

Epoch 10/25

160/160 - 1845s - loss: 0.2077 - accuracy: 0.9320 - val\_loss: 0.1787 - val\_accuracy: 0.9393

Epoch 11/25

160/160 - 1840s - loss: 0.1900 - accuracy: 0.9390 - val\_loss: 0.2992 - val\_accuracy: 0.8933

Epoch 12/25

160/160 - 1843s - loss: 0.1442 - accuracy: 0.9519 - val\_loss: 0.1590 - val\_accuracy: 0.9455

Epoch 13/25

160/160 - 1845s - loss: 0.1424 - accuracy: 0.9533 - val\_loss: 0.1534 - val\_accuracy: 0.9486

Epoch 14/25

160/160 - 1853s - loss: 0.1530 - accuracy: 0.9517 - val\_loss: 0.1544 - val\_accuracy: 0.9494

Epoch 15/25

160/160 - 1840s - loss: 0.0981 - accuracy: 0.9681 - val\_loss: 0.1597 - val\_accuracy: 0.9470

Epoch 16/25

160/160 - 1849s - loss: 0.1537 - accuracy: 0.9525 - val\_loss: 0.3274 - val\_accuracy: 0.9003

Epoch 17/25

160/160 - 1843s - loss: 0.1121 - accuracy: 0.9627 - val\_loss: 0.1370 - val\_accuracy: 0.9517

Epoch 18/25

160/160 - 1847s - loss: 0.0581 - accuracy: 0.9812 - val\_loss: 0.1977 - val\_accuracy: 0.9385

Epoch 19/25

160/160 - 1839s - loss: 0.0817 - accuracy: 0.9730 - val\_loss: 0.1163 - val\_accuracy: 0.9587

Epoch 20/25

160/160 - 1850s - loss: 0.1192 - accuracy: 0.9619 - val\_loss: 1.4079 - val\_accuracy: 0.6706

Epoch 21/25

160/160 - 1852s - loss: 0.0682 - accuracy: 0.9771 - val\_loss: 0.1193 - val\_accuracy: 0.9595

Epoch 22/25

160/160 - 1850s - loss: 0.0662 - accuracy: 0.9775 - val\_loss: 0.1451 - val\_accuracy: 0.9556

Epoch 23/25

160/160 - 1844s - loss: 0.0661 - accuracy: 0.9793 - val\_loss: 0.1170 - val\_accuracy: 0.9618

Epoch 24/25

160/160 - 1848s - loss: 0.1252 - accuracy: 0.9652 - val\_loss: 0.1050 - val\_accuracy: 0.9681

Epoch 25/25

160/160 - 1841s - loss: 0.0941 - accuracy: 0.9752 - val\_loss: 0.0960 - val\_accuracy: 0.9681

Epoch 1/10

160/160 - 1884s - loss: 0.0357 - accuracy: 0.9883 - val\_loss: 0.0887 - val\_accuracy: 0.9704

Epoch 2/10

160/160 - 1847s - loss: 0.1163 - accuracy: 0.9676 - val\_loss: 0.1169 - val\_accuracy: 0.9688

Epoch 3/10

160/160 - 1840s - loss: 0.0519 - accuracy: 0.9820 - val\_loss: 0.0883 - val\_accuracy: 0.9704

Epoch 4/10

160/160 - 1884s - loss: 0.1816 - accuracy: 0.9318 - val\_loss: 0.1320 - val\_accuracy: 0.9595

Epoch 5/10

160/160 - 1858s - loss: 0.0302 - accuracy: 0.9904 - val\_loss: 0.0905 - val\_accuracy: 0.9751

Epoch 6/10

160/160 - 1927s - loss: 0.0246 - accuracy: 0.9924 - val\_loss: 0.1288 - val\_accuracy: 0.9681

Epoch 7/10

160/160 - 1903s - loss: 0.0398 - accuracy: 0.9889 - val\_loss: 0.0957 - val\_accuracy: 0.9743

Epoch 8/10

160/160 - 1895s - loss: 0.0208 - accuracy: 0.9941 - val\_loss: 0.0854 - val\_accuracy: 0.9790

Epoch 9/10

160/160 - 1883s - loss: 0.1935 - accuracy: 0.9394 - val\_loss: 0.2321 - val\_accuracy: 0.9369

Epoch 10/10

160/160 - 1866s - loss: 0.0525 - accuracy: 0.9865 - val\_loss: 0.1142 - val\_accuracy: 0.9688