Train on 57703 samples, validate on 19235 samples

Epoch 1/20

57703/57703 [==============================] - 3233s 56ms/step - loss: 0.7673 - acc: 0.6211 - val\_loss: 0.5446 - val\_acc: 0.8029

Epoch 00001: val\_loss improved from inf to 0.54461, saving model to weights.hd5

Epoch 2/20

57703/57703 [==============================] - 2650s 46ms/step - loss: 0.4943 - acc: 0.8243 - val\_loss: 0.4580 - val\_acc: 0.8433

Epoch 00002: val\_loss improved from 0.54461 to 0.45796, saving model to weights.hd5

Epoch 3/20

57703/57703 [==============================] - 2532s 44ms/step - loss: 0.4258 - acc: 0.8522 - val\_loss: 0.4116 - val\_acc: 0.8600

Epoch 00003: val\_loss improved from 0.45796 to 0.41165, saving model to weights.hd5

Epoch 4/20

57703/57703 [==============================] - 2525s 44ms/step - loss: 0.3862 - acc: 0.8679 - val\_loss: 0.4189 - val\_acc: 0.8551

Epoch 00004: val\_loss did not improve from 0.41165

Epoch 5/20

57703/57703 [==============================] - 2520s 44ms/step - loss: 0.3585 - acc: 0.8770 - val\_loss: 0.3970 - val\_acc: 0.8639

Epoch 00005: val\_loss improved from 0.41165 to 0.39705, saving model to weights.hd5

Epoch 6/20

57703/57703 [==============================] - 2521s 44ms/step - loss: 0.3388 - acc: 0.8844 - val\_loss: 0.4035 - val\_acc: 0.8653

Epoch 00006: val\_loss did not improve from 0.39705

Epoch 7/20

57703/57703 [==============================] - 2507s 43ms/step - loss: 0.3167 - acc: 0.8925 - val\_loss: 0.4040 - val\_acc: 0.8622

Epoch 00007: val\_loss did not improve from 0.39705

Epoch 8/20

57703/57703 [==============================] - 2505s 43ms/step - loss: 0.2989 - acc: 0.8982 - val\_loss: 0.4181 - val\_acc: 0.8579

Epoch 00008: val\_loss did not improve from 0.39705

Epoch 9/20

57703/57703 [==============================] - 2506s 43ms/step - loss: 0.2764 - acc: 0.9052 - val\_loss: 0.3962 - val\_acc: 0.8666

Epoch 00009: val\_loss improved from 0.39705 to 0.39622, saving model to weights.hd5

Epoch 10/20

57703/57703 [==============================] - 2502s 43ms/step - loss: 0.2549 - acc: 0.9116 - val\_loss: 0.4102 - val\_acc: 0.8684

Epoch 00010: val\_loss did not improve from 0.39622

Epoch 11/20

57703/57703 [==============================] - 2544s 44ms/step - loss: 0.2357 - acc: 0.9175 - val\_loss: 0.4088 - val\_acc: 0.8709

Epoch 00011: val\_loss did not improve from 0.39622

Epoch 12/20

57703/57703 [==============================] - 2708s 47ms/step - loss: 0.2167 - acc: 0.9241 - val\_loss: 0.4573 - val\_acc: 0.8631

Epoch 00012: val\_loss did not improve from 0.39622

Epoch 13/20

57703/57703 [==============================] - 2937s 51ms/step - loss: 0.1930 - acc: 0.9327 - val\_loss: 0.4871 - val\_acc: 0.8655

Epoch 00013: val\_loss did not improve from 0.39622

Epoch 14/20

57703/57703 [==============================] - 2771s 48ms/step - loss: 0.1741 - acc: 0.9369 - val\_loss: 0.5241 - val\_acc: 0.8599

Epoch 00014: val\_loss did not improve from 0.39622

Epoch 15/20

57703/57703 [==============================] - 2879s 50ms/step - loss: 0.1580 - acc: 0.9421 - val\_loss: 0.5406 - val\_acc: 0.8570

Epoch 00015: val\_loss did not improve from 0.39622

Epoch 16/20

57703/57703 [==============================] - 3177s 55ms/step - loss: 0.1369 - acc: 0.9499 - val\_loss: 0.5342 - val\_acc: 0.8633

Epoch 00016: val\_loss did not improve from 0.39622

Epoch 17/20

57703/57703 [==============================] - 3258s 56ms/step - loss: 0.1255 - acc: 0.9537 - val\_loss: 0.5678 - val\_acc: 0.8609

Epoch 00017: val\_loss did not improve from 0.39622

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