Tenserflow

WARNING:tensorflow:From /anaconda3/lib/python3.7/site-packages/tensorflow/python/ops/math\_ops.py:3066: to\_int32 (from tensorflow.python.ops.math\_ops) is deprecated and will be removed in a future version.

Instructions for updating:

Use tf.cast instead.

Train on 57703 samples, validate on 19235 samples

Epoch 1/14

57703/57703 [==============================] - 2819s 49ms/step - loss: 0.7162 - acc: 0.6869 - val\_loss: 0.5999 - val\_acc: 0.7801

Epoch 00001: val\_loss improved from inf to 0.59985, saving model to 14\_epochs\_dropouts\_weights.hd5

Epoch 2/14

57703/57703 [==============================] - 2570s 45ms/step - loss: 0.5875 - acc: 0.7759 - val\_loss: 0.5310 - val\_acc: 0.8098

Epoch 00002: val\_loss improved from 0.59985 to 0.53099, saving model to 14\_epochs\_dropouts\_weights.hd5

Epoch 3/14

57703/57703 [==============================] - 2571s 45ms/step - loss: 0.5482 - acc: 0.7975 - val\_loss: 0.5389 - val\_acc: 0.8029

Epoch 00003: val\_loss did not improve from 0.53099

Epoch 4/14

57703/57703 [==============================] - 2558s 44ms/step - loss: 0.5226 - acc: 0.8090 - val\_loss: 0.4989 - val\_acc: 0.8165

Epoch 00004: val\_loss improved from 0.53099 to 0.49893, saving model to 14\_epochs\_dropouts\_weights.hd5

Epoch 5/14

57703/57703 [==============================] - 2557s 44ms/step - loss: 0.5033 - acc: 0.8185 - val\_loss: 0.4559 - val\_acc: 0.8386

Epoch 00005: val\_loss improved from 0.49893 to 0.45593, saving model to 14\_epochs\_dropouts\_weights.hd5

Epoch 6/14

57703/57703 [==============================] - 2563s 44ms/step - loss: 0.4952 - acc: 0.8192 - val\_loss: 0.5092 - val\_acc: 0.8111

Epoch 00006: val\_loss did not improve from 0.45593

Epoch 7/14

57703/57703 [==============================] - 2551s 44ms/step - loss: 0.4752 - acc: 0.8294 - val\_loss: 0.4342 - val\_acc: 0.8488

Epoch 00007: val\_loss improved from 0.45593 to 0.43416, saving model to 14\_epochs\_dropouts\_weights.hd5

Epoch 8/14

57703/57703 [==============================] - 2561s 44ms/step - loss: 0.4762 - acc: 0.8282 - val\_loss: 0.4280 - val\_acc: 0.8507

Epoch 00008: val\_loss improved from 0.43416 to 0.42799, saving model to 14\_epochs\_dropouts\_weights.hd5

Epoch 9/14

57703/57703 [==============================] - 2575s 45ms/step - loss: 0.4649 - acc: 0.8338 - val\_loss: 0.4391 - val\_acc: 0.8493

Epoch 00009: val\_loss did not improve from 0.42799

Epoch 10/14

57703/57703 [==============================] - 2557s 44ms/step - loss: 0.4551 - acc: 0.8379 - val\_loss: 0.4262 - val\_acc: 0.8511

Epoch 00010: val\_loss improved from 0.42799 to 0.42617, saving model to 14\_epochs\_dropouts\_weights.hd5

Epoch 11/14

57703/57703 [==============================] - 2557s 44ms/step - loss: 0.4560 - acc: 0.8356 - val\_loss: 0.4650 - val\_acc: 0.8334

Epoch 00011: val\_loss did not improve from 0.42617

Epoch 12/14

57703/57703 [==============================] - 2549s 44ms/step - loss: 0.4510 - acc: 0.8372 - val\_loss: 0.4344 - val\_acc: 0.8468

Epoch 00012: val\_loss did not improve from 0.42617

Epoch 13/14

57703/57703 [==============================] - 2552s 44ms/step - loss: 0.4483 - acc: 0.8380 - val\_loss: 0.4430 - val\_acc: 0.8454

Epoch 00013: val\_loss did not improve from 0.42617

Epoch 14/14

57703/57703 [==============================] - 2552s 44ms/step - loss: 0.4329 - acc: 0.8456 - val\_loss: 0.4519 - val\_acc: 0.8396

Epoch 00014: val\_loss did not improve from 0.42617

{'val\_loss': [0.5998527629416671,

0.5309897593741358,

0.5388564896391435,

0.49892670382593773,

0.45592855487066275,

0.5091758908282201,

0.434159684324531,

0.42799260875823625,

0.43913774220183327,

0.4261661947493991,

0.46500366706994717,

0.43439627727200714,

0.4429644689149816,

0.45192071059663047],

'val\_acc': [0.7800883805562776,

0.8098258383155705,

0.8028593709383935,

0.8165323628801664,

0.8386275019495711,

0.8110735638159605,

0.8488172602027554,

0.8507408370158566,

0.8493371458279179,

0.8511047569534702,

0.8333766571354302,

0.846841694827138,

0.8453860150766831,

0.8395632960748636],

'loss': [0.7161539314394486,

0.5875155919436791,

0.5482323241431534,

0.5225979910353128,

0.5033218490435545,

0.4952056116717586,

0.4751523975718363,

0.4762104349089002,

0.46491332764439863,

0.4550825190749067,

0.4559814753987819,

0.4509613492507537,

0.4482950735034421,

0.4329377995886621],

'acc': [0.6869313553908671,

0.7759041990884357,

0.7975495208231739,

0.808987401001681,

0.8185189678200303,

0.8191775124343622,

0.8293676238675598,

0.8281718454867028,

0.833804134970085,

0.8378767135157618,

0.8356064676023709,

0.8371835086574286,

0.8379806942446667,

0.8455712874547251],

'lr': [0.001,

0.001,

0.001,

0.001,

0.001,

0.001,

0.001,

0.001,

0.001,

0.001,

0.001,

0.001,

0.001,

0.00090000004]}