

Oct 07, 21 4:28	results10.txt	Page 1/3
Epoch 1/50		
1407/1407 - 434s - loss: 1.5445 - sparse_top_k_categorical_accuracy: 0.4825 - va		
l_loss: 1.8410 - val_sparse_top_k_categorical_accuracy: 0.4762		
Epoch 2/50		
1407/1407 - 510s - loss: 0.9631 - sparse_top_k_categorical_accuracy: 0.6706 - va		
l_loss: 0.9283 - val_sparse_top_k_categorical_accuracy: 0.6896		
Epoch 3/50		
1407/1407 - 524s - loss: 0.7738 - sparse_top_k_categorical_accuracy: 0.7356 - va		
l_loss: 0.7658 - val_sparse_top_k_categorical_accuracy: 0.7384		
Epoch 4/50		
1407/1407 - 532s - loss: 0.6607 - sparse_top_k_categorical_accuracy: 0.7753 - va		
l_loss: 0.6290 - val_sparse_top_k_categorical_accuracy: 0.7896		
Epoch 5/50		
1407/1407 - 533s - loss: 0.5831 - sparse_top_k_categorical_accuracy: 0.8044 - va		
l_loss: 0.6516 - val_sparse_top_k_categorical_accuracy: 0.7900		
Epoch 6/50		
1407/1407 - 536s - loss: 0.5144 - sparse_top_k_categorical_accuracy: 0.8275 - va		
l_loss: 0.5149 - val_sparse_top_k_categorical_accuracy: 0.8294		
Epoch 7/50		
1407/1407 - 536s - loss: 0.4636 - sparse_top_k_categorical_accuracy: 0.8450 - va		
l_loss: 0.6845 - val_sparse_top_k_categorical_accuracy: 0.7904		
Epoch 8/50		
1407/1407 - 538s - loss: 0.4141 - sparse_top_k_categorical_accuracy: 0.8628 - va		
l_loss: 0.5380 - val_sparse_top_k_categorical_accuracy: 0.8248		
Epoch 9/50		
1407/1407 - 544s - loss: 0.3739 - sparse_top_k_categorical_accuracy: 0.8761 - va		
l_loss: 0.4915 - val_sparse_top_k_categorical_accuracy: 0.8450		
Epoch 10/50		
1407/1407 - 537s - loss: 0.3372 - sparse_top_k_categorical_accuracy: 0.8901 - va		
l_loss: 0.4638 - val_sparse_top_k_categorical_accuracy: 0.8504		
Epoch 11/50		
1407/1407 - 538s - loss: 0.2998 - sparse_top_k_categorical_accuracy: 0.9025 - va		
l_loss: 0.5199 - val_sparse_top_k_categorical_accuracy: 0.8432		
Epoch 12/50		
1407/1407 - 536s - loss: 0.2720 - sparse_top_k_categorical_accuracy: 0.9115 - va		
l_loss: 0.5314 - val_sparse_top_k_categorical_accuracy: 0.8406		
Epoch 13/50		
1407/1407 - 539s - loss: 0.2461 - sparse_top_k_categorical_accuracy: 0.9223 - va		
l_loss: 0.4978 - val_sparse_top_k_categorical_accuracy: 0.8514		
Epoch 14/50		
1407/1407 - 538s - loss: 0.2236 - sparse_top_k_categorical_accuracy: 0.9285 - va		
l_loss: 0.4823 - val_sparse_top_k_categorical_accuracy: 0.8640		
Epoch 15/50		
1407/1407 - 648s - loss: 0.2023 - sparse_top_k_categorical_accuracy: 0.9360 - va		
l_loss: 0.4991 - val_sparse_top_k_categorical_accuracy: 0.8602		
Epoch 16/50		
1407/1407 - 523s - loss: 0.1873 - sparse_top_k_categorical_accuracy: 0.9422 - va		
l_loss: 0.5096 - val_sparse_top_k_categorical_accuracy: 0.8630		
Epoch 17/50		
1407/1407 - 539s - loss: 0.1675 - sparse_top_k_categorical_accuracy: 0.9499 - va		
l_loss: 0.5199 - val_sparse_top_k_categorical_accuracy: 0.8652		
Epoch 18/50		
1407/1407 - 539s - loss: 0.1590 - sparse_top_k_categorical_accuracy: 0.9521 - va		
l_loss: 0.5378 - val_sparse_top_k_categorical_accuracy: 0.8684		
Epoch 19/50		
1407/1407 - 539s - loss: 0.1461 - sparse_top_k_categorical_accuracy: 0.9581 - va		
l_loss: 0.5377 - val_sparse_top_k_categorical_accuracy: 0.8638		
Epoch 20/50		
1407/1407 - 541s - loss: 0.1358 - sparse_top_k_categorical_accuracy: 0.9610 - va		
l_loss: 0.4795 - val_sparse_top_k_categorical_accuracy: 0.8742		
Epoch 21/50		
1407/1407 - 539s - loss: 0.1302 - sparse_top_k_categorical_accuracy: 0.9640 - va		

Oct 07, 21 4:28	results10.txt	Page 2/3
l_loss: 0.5363 - val_sparse_top_k_categorical_accuracy: 0.8656		
Epoch 22/50		
1407/1407 - 540s - loss: 0.1169 - sparse_top_k_categorical_accuracy: 0.9681 - va		
l_loss: 0.4846 - val_sparse_top_k_categorical_accuracy: 0.8792		
Epoch 23/50		
1407/1407 - 560s - loss: 0.1167 - sparse_top_k_categorical_accuracy: 0.9679 - va		
l_loss: 0.5688 - val_sparse_top_k_categorical_accuracy: 0.8552		
Epoch 24/50		
1407/1407 - 543s - loss: 0.1134 - sparse_top_k_categorical_accuracy: 0.9706 - va		
l_loss: 0.5152 - val_sparse_top_k_categorical_accuracy: 0.8674		
Epoch 25/50		
1407/1407 - 541s - loss: 0.1088 - sparse_top_k_categorical_accuracy: 0.9709 - va		
l_loss: 0.5456 - val_sparse_top_k_categorical_accuracy: 0.8664		
Model: "model"		
Layer (type)	Output Shape	Param #
=====		
batch_normalization (BatchNo multiple		256
conv2d (Conv2D)	multiple	1792
re_lu (ReLU)	multiple	0
batch_normalization_1 (Batch multiple		256
conv2d_1 (Conv2D)	multiple	36928
re_lu_1 (ReLU)	multiple	0
dropout (Dropout)	multiple	0
max_pooling2d (MaxPooling2D)	multiple	0
batch_normalization_2 (Batch multiple		512
conv2d_2 (Conv2D)	multiple	73856
re_lu_2 (ReLU)	multiple	0
batch_normalization_3 (Batch multiple		512
conv2d_3 (Conv2D)	multiple	147584
re_lu_3 (ReLU)	multiple	0
dropout_1 (Dropout)	multiple	0
max_pooling2d_1 (MaxPooling2 multiple		0
batch_normalization_4 (Batch multiple		1024
conv2d_4 (Conv2D)	multiple	295168
re_lu_4 (ReLU)	multiple	0
batch_normalization_5 (Batch multiple		1024
conv2d_5 (Conv2D)	multiple	590080
re_lu_5 (ReLU)	multiple	0
dropout_2 (Dropout)	multiple	0

Oct 07, 21 4:28

results10.txt

Page 3/3

max_pooling2d_2 (MaxPooling2)	multiple	0
batch_normalization_6 (Batch Normalization)	multiple	2048
conv2d_6 (Conv2D)	multiple	1180160
re_lu_6 (ReLU)	multiple	0
batch_normalization_7 (Batch Normalization)	multiple	2048
conv2d_7 (Conv2D)	multiple	2359808
re_lu_7 (ReLU)	multiple	0
dropout_3 (Dropout)	multiple	0
max_pooling2d_3 (MaxPooling2)	multiple	0
flatten (Flatten)	multiple	0
dense (Dense)	multiple	20490

=====

Total params: 4,713,546
Trainable params: 4,709,706
Non-trainable params: 3,840

313/313 - 22s - loss: 0.5073 - sparse_top_k_categorical_accuracy: 0.8735