Assignment : 14

1. Preprocess all the Data we have in DonorsChoose [Dataset] use train.csv
2. Combine 4 essay's into one column named - 'preprocessed_essays'.
3. After step 2 you have to train 3 types of models as discussed below.
4. For all the model use ['auc'] as a metric. check [this] for using auc as a metric
5. You are free to choose any number of layers/hiddden units but you have to use same type of architectures shown below.
6. You can use any one of the optimizers and choice of Learning rate and momentum, resources: [cs231n class notes], [cs231n class video].
7. For all the model's use [TensorBoard] and plot the Metric value and Loss with epoch. While submitting, take a screenshot of plots and include those images in .ipynb notebook and PDF.
8. Use Categorical Cross Entropy as Loss to minimize.

Model-1

Build and Train deep neural network as shown below

ref: https://i.imgur.com/w395Yk9.png
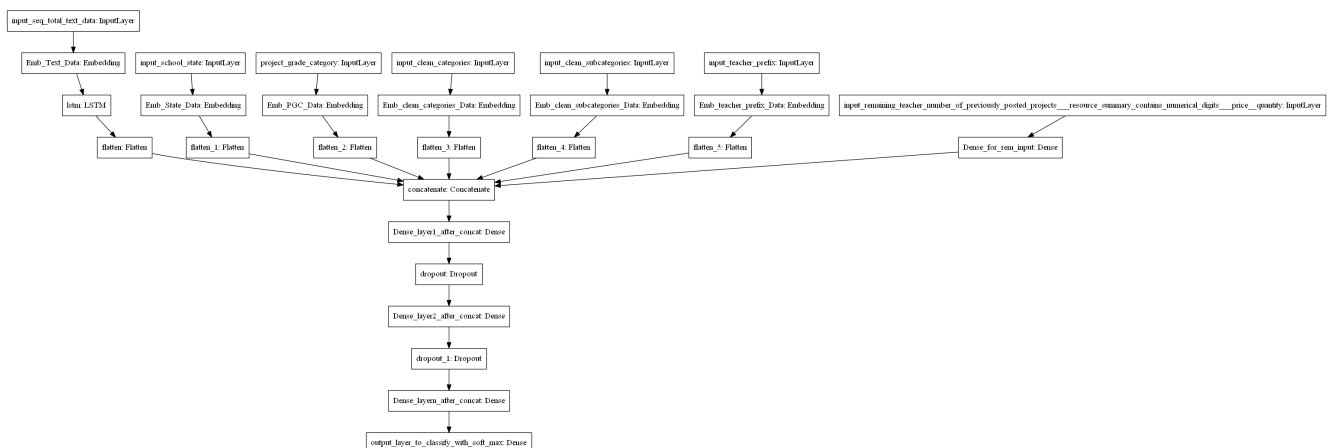
- **Input_seq_total_text_data** --- You have to give Total text data columns. After this use the Embedding layer to get word vectors. Use given predefined glove word vectors, don't train any word vectors. After this use LSTM and get the LSTM output and Flatten that output.
- **Input_school_state** --- Give 'school_state' column as input to embedding layer and Train the Keras Embedding layer.
- **Project_grade_category** --- Give 'project_grade_category' column as input to embedding layer and Train the Keras Embedding layer.
- **Input_clean_categories** --- Give 'input_clean_categories' column as input to embedding layer and Train the Keras Embedding layer.
- **Input_clean_subcategories** --- Give 'input_clean_subcategories' column as input to embedding layer and Train the Keras Embedding layer.
- **Input_clean_subcategories** --- Give 'input_teacher_prefix' column as input to embedding layer and Train the Keras Embedding layer.
- **Input_remaining_teacher_number_of_previously_posted_projects._resource_summary_contains_numerical_digits._price** ---concatenate remaining columns and add a Dense layer after that.

- For LSTM, you can choose your sequence padding methods on your own or you can train your LSTM without padding, there is no restriction on that.

Below is an example of embedding layer for a categorical columns. In below code all are dummy values, we gave only for referance.

In [ ]:

```
# https://stats.stackexchange.com/questions/270546/how-does-keras-embedding-layer-work
input_layer = Input(shape=(n,))
```

```
embedding = Embedding(no_1, no_2, input_length=n)(input_layer)
flatten = Flatten()(embedding)
```

1. Go through this blog, if you have any doubt on using predefined Embedding values in Embedding layer - https://machinelearningmastery.com/use-word-embedding-layers-deep-learning-keras/

2. Please go through this link https://keras.io/getting-started/functional-api-guide/ and check the 'Multi-input and multi-output models' then you will get to know how to give multiple inputs.

Model-2

Use the same model as above but for 'input_seq_total_text_data' give only some words in the sentance not all the words. Filter the words as below.

```
1. Train the TF-IDF on the Train data

2. Get the idf value for each word we have in the train data.

3. Remove the low idf value and high idf value words from our data. Do some analysis on the
Idf values and based on those values choose the low and high threshold value. Because very
frequent words and very very rare words don't give much information. (you can plot a box pl
ots and take only the idf scores within IQR range and corresponding words)

4. Train the LSTM after removing the Low and High idf value words. (In model-1 Train on tot
al data but in Model-2 train on data after removing some words based on IDF values)
```

Model-3

ref: https://i.imgur.com/fkQ8nGo.png
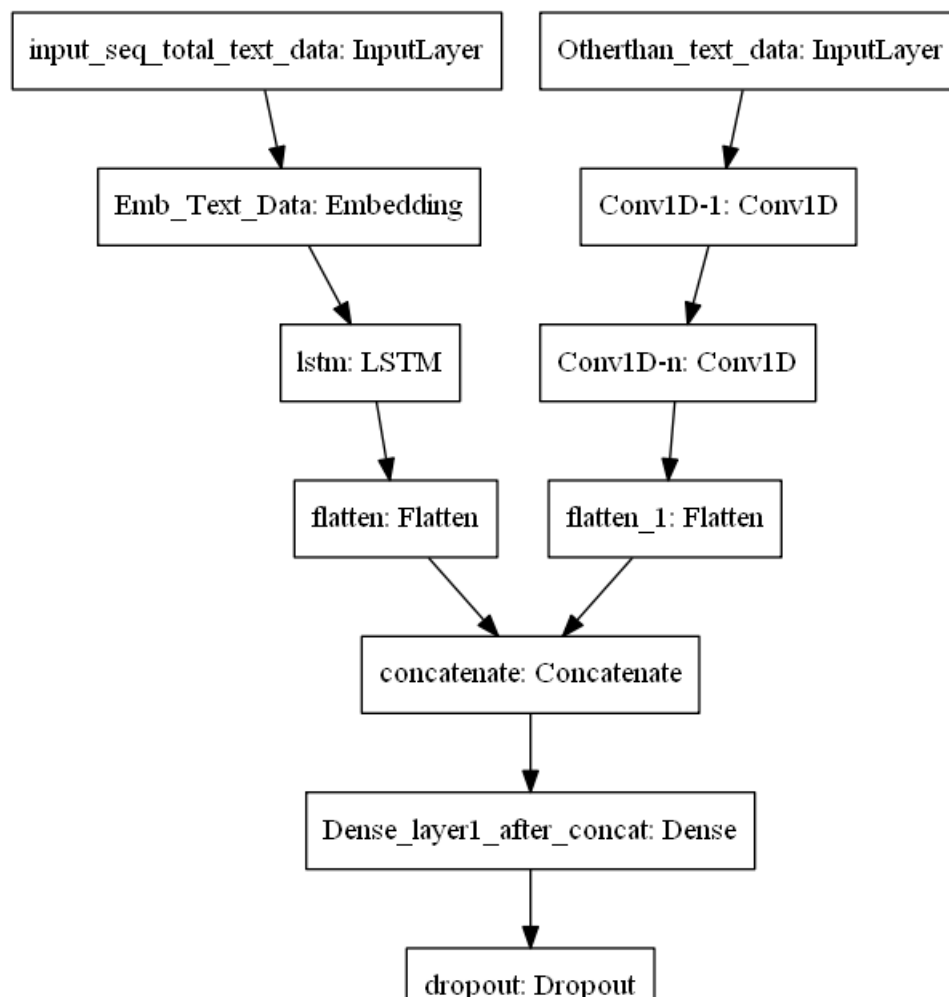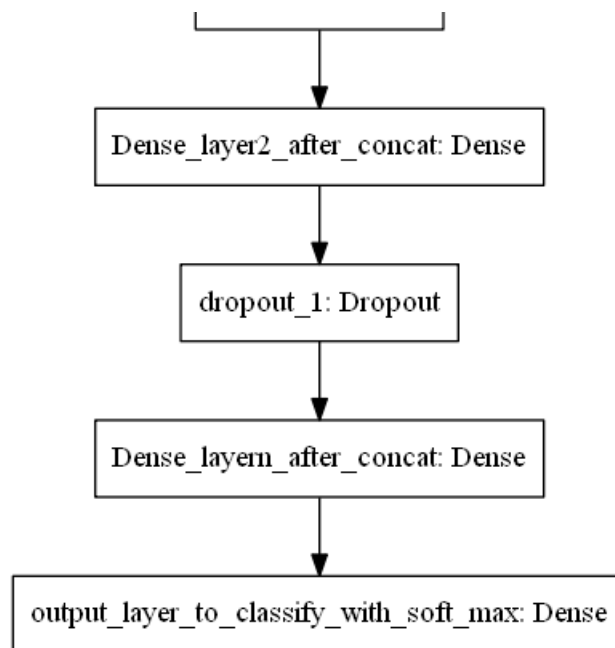
- **input_seq_total_text_data**:

    . Use text column('essay'), and use the Embedding layer to get word vectors.

    . Use given predefined glove word vectors, don't train any word vectors.

    . Use LSTM that is given above, get the LSTM output and Flatten that output.

    . You are free to preprocess the input text as you needed.

- **Other_than_text_data**:

    . Convert all your Categorical values to onehot coded and then concatenate all these onehot vectors

    . Neumerical values and use CNN1D as shown in above figure.

    . You are free to choose all CNN parameters like kernel sizes, stride.

</pre>

In [54]:

```python
%matplotlib inline
import warnings
warnings.filterwarnings("ignore")

import pandas as pd
import numpy as np
from sklearn.feature_extraction.text import TfidfVectorizer
from sklearn.feature_extraction.text import CountVectorizer
from sklearn.preprocessing import LabelEncoder
from keras.layers import Input
from keras.layers import Embedding
import re

import keras
from numpy import asarray
from time import time
import seaborn as sns

from tensorboard import *
from keras.utils import to_categorical
from keras.regularizers import l2
from keras.layers import LeakyReLU
from tensorflow.keras.callbacks import TensorBoard
```

```python
from tensorflow.python.keras.callbacks import TensorBoard
# Tutorial about Python regular expressions: https://pymotw.com/2/re/

from nltk.corpus import stopwords
import pickle

from tqdm import tqdm
import os
from sklearn.preprocessing import StandardScaler
from keras.preprocessing.text import Tokenizer
from keras.preprocessing.sequence import pad_sequences
from numpy import zeros
from keras.layers import Input
from keras.layers import Flatten
from keras.layers import Embedding
from keras.layers import LSTM,Bidirectional
from keras.layers.core import Dense, Dropout
from keras.models import Model, load_model
from keras.layers import Reshape,Concatenate
from keras.layers.normalization import BatchNormalization
from keras.callbacks import ReduceLROnPlateau
from scipy.sparse import hstack
from keras.layers import Conv1D

import tensorflow as tf
import datetime
import matplotlib.pyplot as plt
from tensorflow import keras
from sklearn.metrics import roc_auc_score
from keras.callbacks import ModelCheckpoint, EarlyStopping
from keras.layers.merge import concatenate
from keras.callbacks import *
```

Reading Data

In [2]:

```python
project_data = pd.read_csv('preprocessed_data.csv')
```

In [3]:

```python
df = pd.read_csv('train_data.csv')
```

In [4]:

```python
df.columns
```

Out[4]:

```
Index(['Unnamed: 0', 'id', 'teacher_id', 'teacher_prefix', 'school_state',
       'project_submitted_datetime', 'project_grade_category',
       'project_subject_categories', 'project_subject_subcategories',
       'project_title', 'project_essay_1', 'project_essay_2',
       'project_essay_3', 'project_essay_4', 'project_resource_summary',
       'teacher_number_of_previously_posted_projects', 'project_is_approved'],
      dtype='object')
```

In [5]:

```python
df.id.dtype
```

Out[5]:

```
dtype('O')
```

In [6]:

```python
project_data['id'] = df['id'].astype(object)
```

```
In [7]:
```

```
project_data.columns
```

```
Out[7]:
```

```
Index(['school_state', 'teacher_prefix', 'project_grade_category',
       'teacher_number_of_previously_posted_projects', 'project_is_approved',
       'clean_categories', 'clean_subcategories', 'essay', 'price', 'id'],
      dtype='object')
```

```
In [8]:
```

```
resource_data = pd.read_csv('resources.csv')
```

```
In [9]:
```

```
print("Number of data points in train data", project_data.shape)
print('-'*50)
print("The attributes of data :", project_data.columns.values)
```

```
Number of data points in train data (109248, 10)
--------------------------------------------------
The attributes of data : ['school_state' 'teacher_prefix' 'project_grade_category'
 'teacher_number_of_previously_posted_projects' 'project_is_approved'
 'clean_categories' 'clean_subcategories' 'essay' 'price' 'id']
```

```
In [10]:
```

```
print("Number of data points in resource data", resource_data.shape)
print(resource_data.columns.values)
resource_data.head(2)
```

```
Number of data points in resource data (1541272, 4)
['id' 'description' 'quantity' 'price']
```

```
Out[10]:
```

	id	description	quantity	price
0	p233245	LC652 - Lakeshore Double-Space Mobile Drying Rack	1	149.00
1	p069063	Bouncy Bands for Desks (Blue support pipes)	3	14.95

```
In [11]:
```

```
resource_data.drop(['price'],axis=1,inplace=True)
```

```
In [12]:
```

```
resource_data.columns
```

```
Out[12]:
```

```
Index(['id', 'description', 'quantity'], dtype='object')
```

```
In [13]:
```

```
price_data = resource_data.groupby('id').agg({'quantity':'sum'}).reset_index()
project_data = pd.merge(project_data, price_data, on='id', how='left')
```

```
In [14]:
```

```
project_data.columns
```

```
Out[14]:
```

```
Index(['school_state', 'teacher_prefix', 'project_grade_category',
       'teacher_number_of_previously_posted_projects', 'project_is_approved',
       'clean_categories', 'clean_subcategories', 'essay', 'price', 'id',
       'quantity'],
      dtype='object')
```

Preprocessing project title

In [15]:

```
# https://gist.github.com/sebleier/554280
# we are removing the words from the stop words list: 'no', 'nor', 'not'
stopwords= ['i', 'me', 'my', 'myself', 'we', 'our', 'ours', 'ourselves', 'you', "you're", "you've", \
            "you'll", "you'd", 'your', 'yours', 'yourself', 'yourselves', 'he', 'him', 'his', 'himself', \
            'she', "she's", 'her', 'hers', 'herself', 'it', "it's", 'its', 'itself', 'they', 'them', 'their',\
            'theirs', 'themselves', 'what', 'which', 'who', 'whom', 'this', 'that', "that'll", 'these', 'those', \
            'am', 'is', 'are', 'was', 'were', 'be', 'been', 'being', 'have', 'has', 'had', 'having', 'do', 'does', \
            'did', 'doing', 'a', 'an', 'the', 'and', 'but', 'if', 'or', 'because', 'as', 'until', 'while', 'of', \
            'at', 'by', 'for', 'with', 'about', 'against', 'between', 'into', 'through', 'during', 'before', 'after',\
            'above', 'below', 'to', 'from', 'up', 'down', 'in', 'out', 'on', 'off', 'over', 'under', 'again', 'further',\
            'then', 'once', 'here', 'there', 'when', 'where', 'why', 'how', 'all', 'any', 'both', 'each', 'few', 'more',\
            'most', 'other', 'some', 'such', 'only', 'own', 'same', 'so', 'than', 'too', 'very', \
            's', 't', 'can', 'will', 'just', 'don', "don't", 'should', "should've", 'now', 'd', 'll', 'm', 'o', 're', \
            've', 'y', 'ain', 'aren', "aren't", 'couldn', "couldn't", 'didn', "didn't", 'doesn', "doesn't", 'hadn',\
            "hadn't", 'hasn', "hasn't", 'haven', "haven't", 'isn', "isn't", 'ma', 'mightn', "mightn't", 'mustn',\
            "mustn't", 'needn', "needn't", 'shan', "shan't", 'shouldn', "shouldn't", 'wasn', "wasn't", 'weren', "weren't", \
            'won', "won't", 'wouldn', "wouldn't"]
```

In [16]:

```
# https://stackoverflow.com/a/47091490/4084039
import re

def decontracted(phrase):
    # specific
    phrase = re.sub(r"won't", "will not", phrase)
    phrase = re.sub(r"can\'t", "can not", phrase)

    # general
    phrase = re.sub(r"n\'t", " not", phrase)
    phrase = re.sub(r"\'re", " are", phrase)
    phrase = re.sub(r"\'s", " is", phrase)
    phrase = re.sub(r"\'d", " would", phrase)
    phrase = re.sub(r"\'ll", " will", phrase)
    phrase = re.sub(r"\'t", " not", phrase)
    phrase = re.sub(r"\'ve", " have", phrase)
    phrase = re.sub(r"\'m", " am", phrase)
    return phrase
```

In [17]:

```
# similarly you can preprocess the titles also
preprocessed_titles = []
for sentance in tqdm(df['project_title'].values):
    sent = decontracted(sentance)
    sent = re.sub('[^A-Za-z0-9]+', ' ', sent)
    # https://gist.github.com/sebleier/554280
    sent = ' '.join(e for e in sent.split() if e not in stopwords)
    preprocessed_titles.append(sent.lower().strip())
```

In [18]:

```python
df['project_title'].values
```

Out[18]:

```
array(['Educational Support for English Learners at Home',
       'Wanted: Projector for Hungry Learners',
       'Soccer Equipment for AWESOME Middle School Students', ...,
       '2016/2017 Beginning of the Year Basics',
       'Flexible Seating in Inclusive Classroom',
       'Classroom Tech to Develop 21st Century Leaders'], dtype=object)
```

In [19]:

```python
preprocessed_titles[4]
```

Out[19]:

```
'interactive math tools'
```

In [20]:

```python
df.project_title.dtype
```

Out[20]:

```
dtype('O')
```

In [21]:

```python
project_data['project_title'] = df['project_title'].astype(object)
```

In [22]:

```python
project_data.columns
```

Out[22]:

```
Index(['school_state', 'teacher_prefix', 'project_grade_category',
       'teacher_number_of_previously_posted_projects', 'project_is_approved',
       'clean_categories', 'clean_subcategories', 'essay', 'price', 'id',
       'quantity', 'project_title'],
      dtype='object')
```

In [23]:

```python
clean_data=project_data.copy()
# Adding preprocessed_essays and titles to the dataframe
clean_data['clean_essay']=project_data['essay'].astype(object)
clean_data['clean_titles']=preprocessed_titles
clean_data.drop(['project_title'],axis=1,inplace=True)
y=clean_data['project_is_approved']
clean_data.drop(['project_is_approved'],axis=1, inplace=True)
x=clean_data
```

In [24]:

```python
from sklearn.model_selection import train_test_split
X_train,x_test,Y_train,y_test=train_test_split(x,y,test_size=0.2,stratify=y)
x_train,x_cv,y_train,y_cv=train_test_split(X_train,Y_train,test_size=0.2,stratify=Y_train)
```

In [25]:

```
print(x_train.shape, y_train.shape)
print(x_cv.shape, y_cv.shape)
print(x_test.shape, y_test.shape)
```

```
(69918, 12) (69918,)
(17480, 12) (17480,)
(21850, 12) (21850,)
```

Onehotencoding Categorical features

In [26]:

```python
#https://stackoverflow.com/questions/21057621/sklearn-labelencoder-with-never-seen-before-values

class LabelEncoderExt(object):
    def __init__(self):
        """
        It differs from LabelEncoder by handling new classes and providing a value for it
[Unknown]
        Unknown will be added in fit and transform will take care of new item. It gives unknown
class id
        """
        self.label_encoder = LabelEncoder()
        # self.classes_ = self.label_encoder.classes_

    def fit(self, data_list):
        """
        This will fit the encoder for all the unique values and introduce unknown value
        :param data_list: A list of string
        :return: self
        """
        self.label_encoder = self.label_encoder.fit(list(data_list) + ['Unknown'])
        self.classes_ = self.label_encoder.classes_

        return self

    def transform(self, data_list):
        """
        This will transform the data_list to id list where the new values get assigned to Unknown
class
        :param data_list:
        :return:
        """
        new_data_list = list(data_list)
        for unique_item in np.unique(data_list):
            if unique_item not in self.label_encoder.classes_:
                new_data_list = ['Unknown' if x==unique_item else x for x in new_data_list]

        return self.label_encoder.transform(new_data_list)
```

In [27]:

```python
vectorizer = LabelEncoderExt()
vectorizer.fit(x_train['teacher_prefix'].values)
x_train_teacher_prefix = vectorizer.transform(x_train['teacher_prefix'].values)
x_cv_teacher_prefix = vectorizer.transform(x_cv['teacher_prefix'].values)
x_test_teacher_prefix = vectorizer.transform(x_test['teacher_prefix'].values)

vectorizer = LabelEncoderExt()
vectorizer.fit(x_train['school_state'].values)
x_train_state = vectorizer.transform(x_train['school_state'].values)
x_cv_state = vectorizer.transform(x_cv['school_state'].values)
x_test_state = vectorizer.transform(x_test['school_state'].values)

vectorizer = LabelEncoderExt()
vectorizer.fit(['grades_3_5', 'grades_6_8', 'grades_9_12', 'grades_prek_2'])
x_train_grade = vectorizer.transform(x_train['project_grade_category'].values)
x_cv_grade = vectorizer.transform(x_cv['project_grade_category'].values)
x_test_grade = vectorizer.transform(x_test['project_grade_category'].values)

vectorizer = LabelEncoderExt()
vectorizer.fit(x_train['clean_categories'].values)
x_train_cat = vectorizer.transform(x_train['clean_categories'].values)
```

```
x_cv_cat = vectorizer.transform(x_cv['clean_categories'].values)
x_test_cat = vectorizer.transform(x_test['clean_categories'].values)

vectorizer = LabelEncoderExt()
vectorizer.fit(x_train['clean_subcategories'].values)
x_train_scat = vectorizer.transform(x_train['clean_subcategories'].values)
x_cv_scat = vectorizer.transform(x_cv['clean_subcategories'].values)
x_test_scat = vectorizer.transform(x_test['clean_subcategories'].values)
```

Embedding Categorical variables

In [28]:

```
#https://medium.com/@davidheffernan_99410/an-introduction-to-using-categorical-embeddings-ee686ed7
e7f9
category_variables = ["teacher_prefix","school_state","project_grade_category","clean_categories","
clean_subcategories"]
category_sizes = {}
category_embsizes = {}
for cat in category_variables:
    category_sizes[cat] = x_train[cat].nunique()
    category_embsizes[cat] = min(50, category_sizes[cat]//2+1)
```

In [29]:

```
inputs = []
concat = []
```

In [30]:

```
for cat in category_variables:
    x = Input((1,), name=cat)
    inputs.append(x)
    x = Embedding(category_sizes[cat]+1, category_embsizes[cat], input_length=1)(x)
    x = Flatten()(x)
    concat.append(x)
```

```
WARNING: Logging before flag parsing goes to stderr.
W1022 12:19:29.139929 21840 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:517: The name tf.placeholder is deprecated. Please us
e tf.compat.v1.placeholder instead.

W1022 12:19:29.194906 21840 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:74: The name tf.get_default_graph is deprecated. Plea
se use tf.compat.v1.get_default_graph instead.

W1022 12:19:29.234918 21840 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:4138: The name tf.random_uniform is deprecated. Pleas
e use tf.random.uniform instead.
```

Numerical Variables

In [31]:

```
input_train = np.concatenate((x_train['quantity'].values.reshape(-1,1),x_train['price'].values.resh
ape(-1,1),x_train['teacher_number_of_previously_posted_projects'].values.reshape(-1,1)), axis=1)
input_cv = np.concatenate((x_cv['quantity'].values.reshape(-1,1),x_cv['price'].values.reshape(-1,1)
,x_cv['teacher_number_of_previously_posted_projects'].values.reshape(-1,1)), axis=1)
input_test = np.concatenate((x_test['quantity'].values.reshape(-1,1),x_test['price'].values.reshape
(-1,1),x_test['teacher_number_of_previously_posted_projects'].values.reshape(-1,1)), axis=1)
```

In [32]:

```
print(input_train.shape, input_cv.shape, input_test.shape)
```

```
(69918, 3) (17480, 3) (21850, 3)
```

In [35]:

```
std_num = StandardScaler().fit(input_train)
input_train_norm = std_num.transform(input_train)
input_cv_norm = std_num.transform(input_cv)
input_test_norm = std_num.transform(input_test)
```

In [58]:

```
y_binary_train = to_categorical(y_train)
y_binary_cv = to_categorical(y_cv)
y_binary_test = to_categorical(y_test)
```

Encoding Text Features

In [36]:

```
max_length=400
```

In [37]:

```
#https://machinelearningmastery.com/use-word-embedding-layers-deep-learning-keras/
def padded(encoded_docs):
    max_length = 400
    padded_docs = pad_sequences(encoded_docs, maxlen=max_length, padding='post')
    return padded_docs
```

In [38]:

```
#https://stackoverflow.com/posts/51956230/revisions
t = Tokenizer()
t.fit_on_texts(x_train.clean_essay)
vocab_size = len(t.word_index) + 1
# integer encode the documents
encoded_docs = t.texts_to_sequences(x_train.clean_essay)
essay_padded_train = padded(encoded_docs)
```

In [39]:

```
encoded_docs = t.texts_to_sequences(x_cv.clean_essay)
essay_padded_cv = padded(encoded_docs)
```

In [40]:

```
encoded_docs = t.texts_to_sequences(x_test.clean_essay)
essay_padded_test = padded(encoded_docs)
```

In [41]:

```
print("encoded train data shape",essay_padded_train.shape)
print("encoded cv data shape",essay_padded_cv.shape)
print("encoded cv data shape",essay_padded_test.shape)
```

```
encoded train data shape (69918, 400)
encoded cv data shape (17480, 400)
encoded cv data shape (21850, 400)
```

In [42]:

```
embeddings_index = dict()
f = open('glove.6B.50d.txt', encoding="utf8")
for line in f:
    values = line.split()
```

```
    word = values[0]
    coefs = asarray(values[1:], dtype='float32')
    embeddings_index[word] = coefs
f.close()
```

In [43]:

```
embedding_matrix = zeros((vocab_size, 50))
for word, i in t.word_index.items():
    embedding_vector = embeddings_index.get(word)
    if embedding_vector is not None:
        embedding_matrix[i] = embedding_vector
```

In [44]:

```
print("embedding matrix shape",embedding_matrix.shape)
```

```
embedding matrix shape (47479, 50)
```

In [45]:

```
text_input = Input(shape=(max_length,), name = "text_input")
# max_length = 150 ---->max length of sentence
inputs.append(text_input)
e1 = Embedding(vocab_size, 50, weights=[embedding_matrix], input_length=max_length,trainable=False
)(text_input)

l1= LSTM(128,kernel_initializer='glorot_normal',recurrent_dropout=0.5,kernel_regularizer=l2(0.001)
,return_sequences=True)(e1)
f1= Flatten()(l1)
concat.append(f1)
```

```
W1022 12:25:07.683505 21840 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:174: The name tf.get_default_session is deprecated. P
lease use tf.compat.v1.get_default_session instead.

W1022 12:25:07.683505 21840 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:181: The name tf.ConfigProto is deprecated. Please us
e tf.compat.v1.ConfigProto instead.

W1022 12:25:08.355258 21840 deprecation.py:506] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:3445: calling dropout (from
tensorflow.python.ops.nn_ops) with keep_prob is deprecated and will be removed in a future
version.
Instructions for updating:
Please use `rate` instead of `keep_prob`. Rate should be set to `rate = 1 - keep_prob`.
```

In [46]:

```
input_layer_num =  Input(shape=(3,), name="input_layer_num")
inputs.append(input_layer_num)
input_dense_num = Dense(64,
activation='relu',kernel_initializer='glorot_normal',kernel_regularizer=l2(0.001))(input_layer_num
)
concat.append(input_dense_num)
```

Model 1

In [50]:

```
x = Concatenate()(concat)
x= Dense(512, activation='relu',kernel_regularizer=l2(0.01))(x)
#x=BatchNormalization()(x)
x= Dropout(0.4)(x)
#x= Dense(256,kernel_initializer='glorot_normal',kernel_regularizer=l2(0.001))(x)
x= Dense(512, activation='relu',kernel_regularizer=l2(0.01))(x)
```

```
x= Dropout(0.3)(x)
x= Dense(256, activation='relu',kernel_regularizer=l2(0.01))(x)
#x= Dense(128,kernel_initializer='glorot_normal',kernel_regularizer=l2(0.01))(x)
x= Dense(128, activation='relu',kernel_regularizer=l2(0.01))(x)
#x= Dense(64,kernel_initializer='glorot_normal',kernel_regularizer=l2(0.001))(x)

output=Dense(2, activation='softmax')(x)
model_1 = Model(inputs=inputs, outputs=output)
```

In [51]:

```
model_1.summary()
```

Layer (type)	Output Shape	Param #	Connected to
text_input (InputLayer)	(None, 400)	0	
teacher_prefix (InputLayer)	(None, 1)	0	
school_state (InputLayer)	(None, 1)	0	
project_grade_category (InputLa	(None, 1)	0	
clean_categories (InputLayer)	(None, 1)	0	
clean_subcategories (InputLayer	(None, 1)	0	
embedding_6 (Embedding)	(None, 400, 50)	2373950	text_input[0][0]
embedding_1 (Embedding)	(None, 1, 3)	18	teacher_prefix[0][0]
embedding_2 (Embedding)	(None, 1, 26)	1352	school_state[0][0]
embedding_3 (Embedding)	(None, 1, 3)	15	project_grade_category[0][0]
embedding_4 (Embedding)	(None, 1, 26)	1352	clean_categories[0][0]
embedding_5 (Embedding)	(None, 1, 50)	19700	clean_subcategories[0][0]
lstm_1 (LSTM)	(None, 400, 128)	91648	embedding_6[0][0]
input_layer_num (InputLayer)	(None, 3)	0	
flatten_1 (Flatten)	(None, 3)	0	embedding_1[0][0]
flatten_2 (Flatten)	(None, 26)	0	embedding_2[0][0]
flatten_3 (Flatten)	(None, 3)	0	embedding_3[0][0]
flatten_4 (Flatten)	(None, 26)	0	embedding_4[0][0]
flatten_5 (Flatten)	(None, 50)	0	embedding_5[0][0]
flatten_6 (Flatten)	(None, 51200)	0	lstm_1[0][0]
dense_1 (Dense)	(None, 64)	256	input_layer_num[0][0]
concatenate_2 (Concatenate)	(None, 51372)	0	flatten_1[0][0] flatten_2[0][0] flatten_3[0][0] flatten_4[0][0] flatten_5[0][0] flatten_6[0][0] dense_1[0][0]
dense_7 (Dense)	(None, 512)	26302976	concatenate_2[0][0]
dropout_3 (Dropout)	(None, 512)	0	dense_7[0][0]
dense_8 (Dense)	(None, 512)	262656	dropout_3[0][0]
dropout_4 (Dropout)	(None, 512)	0	dense_8[0][0]
dense_9 (Dense)	(None, 256)	131328	dropout_4[0][0]

```
_____
dense_10 (Dense)                  (None, 128)          32896       dense_9[0][0]
_____
dense_11 (Dense)                  (None, 2)            258         dense_10[0][0]
==================================================================================
Total params: 29,218,405
Trainable params: 26,844,455
Non-trainable params: 2,373,950
_____
```

In [52]:

```python
#https://machinelearningmastery.com/visualize-deep-learning-neural-network-model-keras/
from keras.utils.vis_utils import plot_model
plot_model(model_1, to_file='model_4.png', show_shapes=True, show_layer_names=True)
```

In [53]:

```python
#https://stackoverflow.com/posts/51734992/revisions
def auroc(y_true, y_pred):
    return tf.py_func(roc_auc_score, (y_true, y_pred), tf.double)
```

In [54]:

```python
batch_size=128
```

In [69]:

```python
model_1.compile(optimizer=tf.train.AdamOptimizer(),
loss='categorical_crossentropy',metrics=['accuracy', auroc])
```

In [56]:

```python
log_dir="logs/fit/" + datetime.datetime.now().strftime("%Y%m%d-%H%M%S")
tensorboard = TensorBoard(log_dir= log_dir)
```

In [59]:

```python
history_1= model_1.fit({'text_input': essay_padded_train, 'school_state': x_train_state,
'project_grade_category': x_train_grade,'clean_categories':
x_train_cat,'clean_subcategories':x_train_scat, 'teacher_prefix':x_train_teacher_prefix,
'input_layer_num':input_train},
        y_binary_train,
        epochs=15, batch_size=batch_size,verbose=1, validation_data=({'text_input':
essay_padded_cv, 'school_state': x_cv_state, 'project_grade_category':
x_cv_grade,'clean_categories': x_cv_cat,'clean_subcategories':x_cv_scat,
'teacher_prefix':x_cv_teacher_prefix, 'input_layer_num':input_cv},
        y_binary_cv),callbacks=[tensorboard])
```

```
W1022 12:28:58.944650 21840 deprecation.py:323] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\tensorflow\python\ops\math_grad.py:1250: add_dispatch_support.<locals>.wrapper (from
tensorflow.python.ops.array_ops) is deprecated and will be removed in a future version.
Instructions for updating:
Use tf.where in 2.0, which has the same broadcast rule as np.where
```

```
Train on 69918 samples, validate on 17480 samples
```

```
W1022 12:29:04.048750 21840 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-packages\keras\callbacks.py:850: The
name tf.summary.merge_all is deprecated. Please use tf.compat.v1.summary.merge_all instead.

W1022 12:29:04.048750 21840 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-packages\keras\callbacks.py:853: The
name tf.summary.FileWriter is deprecated. Please use tf.compat.v1.summary.FileWriter instead.
```

```
Epoch 1/15
18432/69918 [======>......................] - ETA: 1:19:25 - loss: 22.3441 - acc: 0.2109 - auroc:
0.423 - ETA: 52:02 - loss: 21.1386 - acc: 0.5469 - auroc: 0.4949  - ETA: 42:26 - loss: 20.1783 - a
cc: 0.6641 - auroc: 0.421 - ETA: 37:46 - loss: 19.4783 - acc: 0.7031 - auroc: 0.424 - ETA: 34:26 -
loss: 18.5189 - acc: 0.7469 - auroc: 0.432 - ETA: 32:41 - loss: 17.8023 - acc: 0.7188 - auroc: 0.4
51 - ETA: 31:28 - loss: 17.1377 - acc: 0.7243 - auroc: 0.440 - ETA: 30:55 - loss: 16.6073 - acc: 0
.7334 - auroc: 0.424 - ETA: 30:25 - loss: 16.0613 - acc: 0.7483 - auroc: 0.443 - ETA: 30:06 - loss
: 15.6311 - acc: 0.7477 - auroc: 0.441 - ETA: 29:48 - loss: 15.2340 - acc: 0.7521 - auroc: 0.448 -
ETA: 29:42 - loss: 14.8880 - acc: 0.7546 - auroc: 0.448 - ETA: 29:31 - loss: 14.5852 - acc: 0.7596
- auroc: 0.435 - ETA: 29:26 - loss: 14.2956 - acc: 0.7640 - auroc: 0.437 - ETA: 29:03 - loss:
14.0388 - acc: 0.7635 - auroc: 0.440 - ETA: 28:55 - loss: 13.8031 - acc: 0.7671 - auroc: 0.441 - E
TA: 28:57 - loss: 13.5764 - acc: 0.7744 - auroc: 0.447 - ETA: 29:01 - loss: 13.3699 - acc: 0.7795
- auroc: 0.446 - ETA: 29:04 - loss: 13.1820 - acc: 0.7825 - auroc: 0.443 - ETA: 29:08 - loss:
12.9802 - acc: 0.7887 - auroc: 0.453 - ETA: 29:12 - loss: 12.8005 - acc: 0.7924 - auroc: 0.453 - E
TA: 29:18 - loss: 12.6195 - acc: 0.7962 - auroc: 0.460 - ETA: 29:24 - loss: 12.4559 - acc: 0.7965
- auroc: 0.459 - ETA: 29:29 - loss: 12.2969 - acc: 0.7933 - auroc: 0.460 - ETA: 29:35 - loss:
12.1380 - acc: 0.7941 - auroc: 0.463 - ETA: 29:40 - loss: 11.9802 - acc: 0.7972 - auroc: 0.467 - E
TA: 29:43 - loss: 11.8303 - acc: 0.7989 - auroc: 0.470 - ETA: 29:46 - loss: 11.6851 - acc: 0.8016
- auroc: 0.475 - ETA: 29:50 - loss: 11.5494 - acc: 0.8017 - auroc: 0.477 - ETA: 29:55 - loss:
11.4144 - acc: 0.8039 - auroc: 0.475 - ETA: 29:55 - loss: 11.2831 - acc: 0.8059 - auroc: 0.475 - E
TA: 29:53 - loss: 11.1571 - acc: 0.8069 - auroc: 0.474 - ETA: 29:56 - loss: 11.0343 - acc: 0.8082
- auroc: 0.472 - ETA: 29:59 - loss: 10.9143 - acc: 0.8088 - auroc: 0.475 - ETA: 30:03 - loss:
10.7981 - acc: 0.8092 - auroc: 0.477 - ETA: 30:06 - loss: 10.6839 - acc: 0.8118 - auroc: 0.474 - E
TA: 30:09 - loss: 10.5772 - acc: 0.8125 - auroc: 0.474 - ETA: 30:13 - loss: 10.4695 - acc: 0.8137
- auroc: 0.475 - ETA: 30:14 - loss: 10.3685 - acc: 0.8143 - auroc: 0.474 - ETA: 30:16 - loss:
10.2680 - acc: 0.8137 - auroc: 0.478 - ETA: 30:18 - loss: 10.1692 - acc: 0.8140 - auroc: 0.481 - E
TA: 30:20 - loss: 10.0734 - acc: 0.8144 - auroc: 0.483 - ETA: 30:22 - loss: 9.9804 - acc: 0.8140 -
auroc: 0.484 - ETA: 30:24 - loss: 9.8867 - acc: 0.8153 - auroc: 0.48 - ETA: 30:27 - loss: 9.7983 -
acc: 0.8149 - auroc: 0.48 - ETA: 30:28 - loss: 9.7093 - acc: 0.8164 - auroc: 0.48 - ETA: 30:30 - l
oss: 9.6265 - acc: 0.8165 - auroc: 0.48 - ETA: 30:32 - loss: 9.5438 - acc: 0.8171 - auroc: 0.48 -
ETA: 30:34 - loss: 9.4657 - acc: 0.8170 - auroc: 0.48 - ETA: 30:36 - loss: 9.3852 - acc: 0.8172 -
auroc: 0.48 - ETA: 30:38 - loss: 9.3105 - acc: 0.8154 - auroc: 0.48 - ETA: 30:39 - loss: 9.2338 -
acc: 0.8160 - auroc: 0.48 - ETA: 30:40 - loss: 9.1592 - acc: 0.8152 - auroc: 0.49 - ETA: 30:41 - l
oss: 9.0857 - acc: 0.8151 - auroc: 0.49 - ETA: 30:42 - loss: 9.0143 - acc: 0.8153 - auroc: 0.49 -
ETA: 30:44 - loss: 8.9436 - acc: 0.8160 - auroc: 0.49 - ETA: 30:44 - loss: 8.8756 - acc: 0.8158 -
auroc: 0.49 - ETA: 30:44 - loss: 8.8073 - acc: 0.8167 - auroc: 0.49 - ETA: 30:44 - loss: 8.7422 -
acc: 0.8165 - auroc: 0.49 - ETA: 30:44 - loss: 8.6771 - acc: 0.8169 - auroc: 0.49 - ETA: 30:44 - l
oss: 8.6119 - acc: 0.8181 - auroc: 0.50 - ETA: 30:43 - loss: 8.5495 - acc: 0.8185 - auroc: 0.50 -
ETA: 30:43 - loss: 8.4909 - acc: 0.8188 - auroc: 0.49 - ETA: 30:43 - loss: 8.4317 - acc: 0.8188 -
auroc: 0.50 - ETA: 30:42 - loss: 8.3729 - acc: 0.8187 - auroc: 0.50 - ETA: 30:42 - loss: 8.3130 -
acc: 0.8200 - auroc: 0.50 - ETA: 30:42 - loss: 8.2552 - acc: 0.8197 - auroc: 0.50 - ETA: 30:41 - l
oss: 8.1987 - acc: 0.8200 - auroc: 0.50 - ETA: 30:39 - loss: 8.1457 - acc: 0.8193 - auroc: 0.50 -
ETA: 30:38 - loss: 8.0917 - acc: 0.8193 - auroc: 0.50 - ETA: 30:37 - loss: 8.0379 - acc: 0.8195 -
auroc: 0.50 - ETA: 30:36 - loss: 7.9845 - acc: 0.8202 - auroc: 0.50 - ETA: 30:35 - loss: 7.9329 -
acc: 0.8204 - auroc: 0.50 - ETA: 30:34 - loss: 7.8816 - acc: 0.8209 - auroc: 0.50 - ETA: 30:33 - l
oss: 7.8314 - acc: 0.8210 - auroc: 0.50 - ETA: 30:31 - loss: 7.7815 - acc: 0.8213 - auroc: 0.50 -
ETA: 30:30 - loss: 7.7328 - acc: 0.8213 - auroc: 0.50 - ETA: 30:29 - loss: 7.6858 - acc: 0.8215 -
auroc: 0.50 - ETA: 30:28 - loss: 7.6385 - acc: 0.8221 - auroc: 0.50 - ETA: 30:27 - loss: 7.5918 -
acc: 0.8223 - auroc: 0.50 - ETA: 30:26 - loss: 7.5456 - acc: 0.8224 - auroc: 0.51 - ETA: 30:25 - l
oss: 7.5000 - acc: 0.8228 - auroc: 0.51 - ETA: 30:24 - loss: 7.4557 - acc: 0.8228 - auroc: 0.51 -
ETA: 30:23 - loss: 7.4105 - acc: 0.8235 - auroc: 0.51 - ETA: 30:22 - loss: 7.3655 - acc: 0.8245 -
auroc: 0.51 - ETA: 30:21 - loss: 7.3245 - acc: 0.8242 - auroc: 0.51 - ETA: 30:20 - loss: 7.2836 -
acc: 0.8240 - auroc: 0.51 - ETA: 30:19 - loss: 7.2409 - acc: 0.8248 - auroc: 0.52 - ETA: 30:19 - l
oss: 7.1997 - acc: 0.8253 - auroc: 0.52 - ETA: 30:18 - loss: 7.1587 - acc: 0.8259 - auroc: 0.52 -
ETA: 30:17 - loss: 7.1180 - acc: 0.8267 - auroc: 0.52 - ETA: 30:16 - loss: 7.0794 - acc: 0.8268 -
auroc: 0.52 - ETA: 30:15 - loss: 7.0395 - acc: 0.8276 - auroc: 0.52 - ETA: 30:13 - loss: 7.0016 -
acc: 0.8277 - auroc: 0.52 - ETA: 30:12 - loss: 6.9641 - acc: 0.8280 - auroc: 0.52 - ETA: 30:12 - l
oss: 6.9269 - acc: 0.8280 - auroc: 0.52 - ETA: 30:10 - loss: 6.8903 - acc: 0.8280 - auroc: 0.52 -
ETA: 30:09 - loss: 6.8538 - acc: 0.8284 - auroc: 0.52 - ETA: 30:08 - loss: 6.8174 - acc: 0.8288 -
auroc: 0.52 - ETA: 30:06 - loss: 6.7821 - acc: 0.8289 - auroc: 0.52 - ETA: 30:03 - loss: 6.7471 -
acc: 0.8291 - auroc: 0.52 - ETA: 29:58 - loss: 6.7128 - acc: 0.8292 - auroc: 0.52 - ETA: 29:54 - l
oss: 6.6787 - acc: 0.8293 - auroc: 0.52 - ETA: 29:52 - loss: 6.6445 - acc: 0.8296 - auroc: 0.52 -
ETA: 29:51 - loss: 6.6109 - acc: 0.8298 - auroc: 0.52 - ETA: 29:49 - loss: 6.5777 - acc: 0.8300 -
auroc: 0.52 - ETA: 29:48 - loss: 6.5445 - acc: 0.8304 - auroc: 0.53 - ETA: 29:46 - loss: 6.5123 -
acc: 0.8304 - auroc: 0.53 - ETA: 29:42 - loss: 6.4804 - acc: 0.8306 - auroc: 0.53 - ETA: 29:39 - l
oss: 6.4487 - acc: 0.8308 - auroc: 0.53 - ETA: 29:34 - loss: 6.4181 - acc: 0.8304 - auroc: 0.53 -
ETA: 29:32 - loss: 6.3870 - acc: 0.8307 - auroc: 0.53 - ETA: 29:30 - loss: 6.3562 - acc: 0.8310 -
auroc: 0.53 - ETA: 29:26 - loss: 6.3257 - acc: 0.8311 - auroc: 0.53 - ETA: 29:23 - loss: 6.2954 -
acc: 0.8316 - auroc: 0.53 - ETA: 29:20 - loss: 6.2661 - acc: 0.8319 - auroc: 0.53 - ETA: 29:17 - l
oss: 6.2382 - acc: 0.8313 - auroc: 0.53 - ETA: 29:15 - loss: 6.2095 - acc: 0.8312 - auroc: 0.53 -
ETA: 29:11 - loss: 6.1813 - acc: 0.8310 - auroc: 0.53 - ETA: 29:09 - loss: 6.1529 - acc: 0.8313 -
auroc: 0.53 - ETA: 29:07 - loss: 6.1252 - acc: 0.8312 - auroc: 0.53 - ETA: 29:03 - loss: 6.0973 -
acc: 0.8315 - auroc: 0.53 - ETA: 29:00 - loss: 6.0705 - acc: 0.8314 - auroc: 0.53 - ETA: 28:58 - l
oss: 6.0429 - acc: 0.8317 - auroc: 0.53 - ETA: 28:55 - loss: 6.0159 - acc: 0.8320 - auroc: 0.53 -
ETA: 28:54 - loss: 5.9883 - acc: 0.8325 - auroc: 0.54 - ETA: 28:52 - loss: 5.9614 - acc: 0.8330 -
auroc: 0.54 - ETA: 28:51 - loss: 5.9357 - acc: 0.8330 - auroc: 0.54 - ETA: 28:49 - loss: 5.9101 -
acc: 0.8330 - auroc: 0.54 - ETA: 28:47 - loss: 5.8849 - acc: 0.8328 - auroc: 0.54 - ETA: 28:46 - l
```

oss: 5.8596 - acc: 0.8327 - auroc: 0.54 - ETA: 28:41 - loss: 5.8343 - acc: 0.8332 - auroc: 0.54 - ETA: 28:39 - loss: 5.8099 - acc: 0.8330 - auroc: 0.54 - ETA: 28:37 - loss: 5.7850 - acc: 0.8331 - auroc: 0.54 - ETA: 28:35 - loss: 5.7608 - acc: 0.8332 - auroc: 0.54 - ETA: 28:33 - loss: 5.7366 - acc: 0.8333 - auroc: 0.54 - ETA: 28:31 - loss: 5.7125 - acc: 0.8335 - auroc: 0.54 - ETA: 28:29 - l oss: 5.6884 - acc: 0.8337 - auroc: 0.54 - ETA: 28:27 - loss: 5.6640 - acc: 0.8344 - auroc: 0.54 - ETA: 28:24 - loss: 5.6414 - acc: 0.8343 - auroc: 0.54 - ETA: 28:22 - loss: 5.6184 - acc: 0.8344 - auroc: 0.54 - ETA: 28:19 - loss: 5.5957 - acc: 0.8346 - auroc: 0.54 - ETA: 28:17 - loss: 5.5728 - acc: 0.8350 - auroc: 0.54 - ETA: 28:14 - loss: 5.5498 - acc: 0.8356 - auroc: 0.5437120/69918 [==== ==========>...............] - ETA: 28:10 - loss: 5.5276 - acc: 0.8357 - auroc: 0.54 - ETA: 28:08 - loss: 5.5060 - acc: 0.8357 - auroc: 0.54 - ETA: 28:06 - loss: 5.4842 - acc: 0.8360 - auroc: 0.54 - ETA: 28:03 - loss: 5.4621 - acc: 0.8363 - auroc: 0.54 - ETA: 28:01 - loss: 5.4403 - acc: 0.8366 - auroc: 0.54 - ETA: 27:58 - loss: 5.4187 - acc: 0.8369 - auroc: 0.54 - ETA: 27:55 - loss: 5.3972 - acc: 0.8372 - auroc: 0.54 - ETA: 27:53 - loss: 5.3761 - acc: 0.8374 - auroc: 0.54 - ETA: 27:49 - l oss: 5.3553 - acc: 0.8374 - auroc: 0.54 - ETA: 27:47 - loss: 5.3344 - acc: 0.8377 - auroc: 0.54 - ETA: 27:43 - loss: 5.3137 - acc: 0.8378 - auroc: 0.54 - ETA: 27:41 - loss: 5.2939 - acc: 0.8375 - auroc: 0.54 - ETA: 27:37 - loss: 5.2740 - acc: 0.8376 - auroc: 0.54 - ETA: 27:32 - loss: 5.2543 - acc: 0.8375 - auroc: 0.54 - ETA: 27:29 - loss: 5.2343 - acc: 0.8378 - auroc: 0.54 - ETA: 27:26 - l oss: 5.2151 - acc: 0.8377 - auroc: 0.54 - ETA: 27:22 - loss: 5.1965 - acc: 0.8374 - auroc: 0.54 - ETA: 27:19 - loss: 5.1774 - acc: 0.8375 - auroc: 0.54 - ETA: 27:16 - loss: 5.1576 - acc: 0.8380 - auroc: 0.54 - ETA: 27:13 - loss: 5.1385 - acc: 0.8383 - auroc: 0.54 - ETA: 27:11 - loss: 5.1200 - acc: 0.8383 - auroc: 0.54 - ETA: 27:07 - loss: 5.1015 - acc: 0.8382 - auroc: 0.55 - ETA: 27:02 - l oss: 5.0828 - acc: 0.8384 - auroc: 0.55 - ETA: 26:59 - loss: 5.0649 - acc: 0.8383 - auroc: 0.55 - ETA: 26:57 - loss: 5.0467 - acc: 0.8384 - auroc: 0.54 - ETA: 26:54 - loss: 5.0286 - acc: 0.8386 - auroc: 0.54 - ETA: 26:51 - loss: 5.0108 - acc: 0.8384 - auroc: 0.55 - ETA: 26:48 - loss: 4.9932 - acc: 0.8384 - auroc: 0.55 - ETA: 26:44 - loss: 4.9752 - acc: 0.8387 - auroc: 0.55 - ETA: 26:42 - l oss: 4.9578 - acc: 0.8386 - auroc: 0.55 - ETA: 26:39 - loss: 4.9401 - acc: 0.8389 - auroc: 0.55 - ETA: 26:36 - loss: 4.9226 - acc: 0.8390 - auroc: 0.55 - ETA: 26:33 - loss: 4.9050 - acc: 0.8394 - auroc: 0.55 - ETA: 26:30 - loss: 4.8875 - acc: 0.8396 - auroc: 0.55 - ETA: 26:28 - loss: 4.8701 - acc: 0.8399 - auroc: 0.55 - ETA: 26:25 - loss: 4.8532 - acc: 0.8400 - auroc: 0.55 - ETA: 26:22 - l oss: 4.8367 - acc: 0.8401 - auroc: 0.55 - ETA: 26:19 - loss: 4.8198 - acc: 0.8404 - auroc: 0.55 - ETA: 26:16 - loss: 4.8030 - acc: 0.8407 - auroc: 0.55 - ETA: 26:12 - loss: 4.7867 - 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7036 - acc: 0.8442 - auroc: 0.58 - ETA: 10:00 - loss: 2.6989 - acc: 0.8441 - auroc: 0.58 - ETA: 9:
55 - loss: 2.6943 - acc: 0.8440 - auroc: 0.5894 - ETA: 9:51 - loss: 2.6897 - acc: 0.8440 - auroc:
0.589 - ETA: 9:46 - loss: 2.6853 - acc: 0.8439 - auroc: 0.589 - ETA: 9:41 - loss: 2.6807 - acc: 0.
8438 - auroc: 0.590 - ETA: 9:36 - loss: 2.6762 - acc: 0.8437 - auroc: 0.590 - ETA: 9:31 - loss: 2.
6717 - acc: 0.8437 - auroc: 0.590 - ETA: 9:27 - loss: 2.6671 - acc: 0.8436 - auroc: 0.590 - ETA: 9
:22 - loss: 2.6626 - acc: 0.8436 - auroc: 0.590 - ETA: 9:17 - loss: 2.6581 - acc: 0.8436 - auroc:
0.590 - ETA: 9:12 - loss: 2.6535 - acc: 0.8437 - auroc: 0.590 - ETA: 9:08 - loss: 2.6491 - acc: 0.
8436 - auroc: 0.591 - ETA: 9:03 - loss: 2.6448 - acc: 0.8435 - auroc: 0.591069918/69918
[==============================] - ETA: 8:58 - loss: 2.6404 - acc: 0.8434 - auroc: 0.591 - ETA: 8:
53 - loss: 2.6359 - acc: 0.8435 - auroc: 0.591 - ETA: 8:49 - loss: 2.6314 - acc: 0.8436 - auroc: 0
.591 - ETA: 8:44 - loss: 2.6270 - acc: 0.8436 - auroc: 0.591 - ETA: 8:39 - loss: 2.6226 - acc: 0.8
436 - auroc: 0.591 - ETA: 8:34 - loss: 2.6183 - acc: 0.8436 - auroc: 0.591 - ETA: 8:29 - loss: 2.6
139 - acc: 0.8436 - auroc: 0.591 - ETA: 8:25 - loss: 2.6096 - acc: 0.8436 - auroc: 0.591 - ETA: 8:
20 - loss: 2.6054 - acc: 0.8435 - auroc: 0.591 - ETA: 8:15 - loss: 2.6010 - acc: 0.8436 - auroc: 0
.591 - ETA: 8:10 - loss: 2.5967 - acc: 0.8436 - auroc: 0.591 - ETA: 8:05 - loss: 2.5924 - acc: 0.8
436 - auroc: 0.592 - ETA: 8:01 - loss: 2.5880 - acc: 0.8436 - auroc: 0.592 - ETA: 7:56 - loss: 2.5
838 - acc: 0.8436 - auroc: 0.592 - ETA: 7:51 - loss: 2.5794 - acc: 0.8436 - auroc: 0.592 - ETA: 7:
46 - loss: 2.5751 - acc: 0.8437 - auroc: 0.593 - ETA: 7:41 - loss: 2.5710 - acc: 0.8436 - auroc: 0
.593 - ETA: 7:37 - loss: 2.5666 - acc: 0.8437 - auroc: 0.593 - ETA: 7:32 - loss: 2.5625 - acc: 0.8
437 - auroc: 0.593 - ETA: 7:27 - loss: 2.5585 - acc: 0.8436 - auroc: 0.593 - ETA: 7:22 - loss: 2.5
542 - acc: 0.8437 - auroc: 0.593 - ETA: 7:17 - loss: 2.5500 - acc: 0.8438 - auroc: 0.594 - ETA: 7:
12 - loss: 2.5458 - acc: 0.8439 - auroc: 0.594 - ETA: 7:08 - loss: 2.5417 - acc: 0.8439 - auroc: 0
.594 - ETA: 7:03 - loss: 2.5375 - acc: 0.8439 - auroc: 0.594 - ETA: 6:58 - loss: 2.5337 - acc: 0.8
438 - auroc: 0.594 - ETA: 6:53 - loss: 2.5295 - acc: 0.8439 - auroc: 0.594 - ETA: 6:48 - loss: 2.5
256 - acc: 0.8438 - auroc: 0.594 - ETA: 6:43 - loss: 2.5214 - acc: 0.8440 - auroc: 0.594 - ETA: 6:
39 - loss: 2.5174 - acc: 0.8439 - auroc: 0.594 - ETA: 6:34 - loss: 2.5134 - acc: 0.8440 - auroc: 0
.594 - ETA: 6:29 - loss: 2.5094 - acc: 0.8440 - auroc: 0.594 - ETA: 6:24 - loss: 2.5055 - acc: 0.8
440 - auroc: 0.594 - ETA: 6:19 - loss: 2.5016 - acc: 0.8439 - auroc: 0.595 - ETA: 6:14 - loss: 2.4
976 - acc: 0.8439 - auroc: 0.595 - ETA: 6:09 - loss: 2.4938 - acc: 0.8438 - auroc: 0.595 - ETA: 6:
04 - loss: 2.4897 - acc: 0.8439 - auroc: 0.595 - ETA: 6:00 - loss: 2.4859 - acc: 0.8439 - auroc: 0
.595 - ETA: 5:55 - loss: 2.4820 - acc: 0.8439 - auroc: 0.595 - ETA: 5:50 - loss: 2.4783 - acc: 0.8
439 - auroc: 0.595 - ETA: 5:45 - loss: 2.4743 - acc: 0.8439 - auroc: 0.596 - ETA: 5:40 - loss: 2.4
704 - acc: 0.8440 - auroc: 0.595 - ETA: 5:35 - loss: 2.4665 - acc: 0.8441 - auroc: 0.595 - ETA: 5:
30 - loss: 2.4626 - acc: 0.8442 - auroc: 0.595 - ETA: 5:25 - loss: 2.4588 - acc: 0.8441 - auroc: 0
.596 - ETA: 5:20 - loss: 2.4550 - acc: 0.8441 - auroc: 0.596 - ETA: 5:15 - loss: 2.4512 - acc: 0.8
442 - auroc: 0.596 - ETA: 5:11 - loss: 2.4475 - acc: 0.8442 - auroc: 0.596 - ETA: 5:06 - loss: 2.4
437 - acc: 0.8442 - auroc: 0.596 - ETA: 5:01 - loss: 2.4402 - acc: 0.8440 - auroc: 0.596 - ETA: 4:
56 - loss: 2.4363 - acc: 0.8442 - auroc: 0.596 - ETA: 4:51 - loss: 2.4326 - acc: 0.8442 - auroc: 0
.597 - ETA: 4:46 - loss: 2.4289 - acc: 0.8442 - auroc: 0.597 - ETA: 4:41 - loss: 2.4251 - acc: 0.8
443 - auroc: 0.597 - ETA: 4:36 - loss: 2.4214 - acc: 0.8443 - auroc: 0.597 - ETA: 4:31 - loss: 2.4
177 - acc: 0.8444 - auroc: 0.597 - ETA: 4:26 - loss: 2.4143 - acc: 0.8443 - auroc: 0.597 - ETA: 4:
21 - loss: 2.4107 - acc: 0.8443 - auroc: 0.597 - ETA: 4:16 - loss: 2.4069 - acc: 0.8444 - auroc: 0
.597 - ETA: 4:11 - loss: 2.4034 - acc: 0.8444 - auroc: 0.597 - ETA: 4:06 - loss: 2.3999 - acc: 0.8
443 - auroc: 0.597 - ETA: 4:01 - loss: 2.3963 - acc: 0.8443 - auroc: 0.597 - ETA: 3:57 - loss: 2.3
928 - acc: 0.8443 - auroc: 0.597 - ETA: 3:52 - loss: 2.3892 - acc: 0.8444 - auroc: 0.597 - ETA: 3:
47 - loss: 2.3857 - acc: 0.8443 - auroc: 0.597 - ETA: 3:42 - loss: 2.3821 - acc: 0.8445 - auroc: 0
.597 - ETA: 3:37 - loss: 2.3784 - acc: 0.8445 - auroc: 0.597 - ETA: 3:32 - loss: 2.3749 - acc: 0.8
445 - auroc: 0.597 - ETA: 3:27 - loss: 2.3714 - acc: 0.8446 - auroc: 0.597 - ETA: 3:22 - loss: 2.3
679 - acc: 0.8446 - auroc: 0.597 - ETA: 3:17 - loss: 2.3645 - acc: 0.8446 - auroc: 0.597 - ETA: 3:
12 - loss: 2.3611 - acc: 0.8446 - auroc: 0.598 - ETA: 3:07 - loss: 2.3577 - acc: 0.8446 - auroc: 0
.597 - ETA: 3:02 - loss: 2.3544 - acc: 0.8445 - auroc: 0.598 - ETA: 2:57 - loss: 2.3509 - acc: 0.8
445 - auroc: 0.597 - ETA: 2:52 - loss: 2.3476 - acc: 0.8445 - auroc: 0.598 - ETA: 2:47 - loss: 2.3
441 - acc: 0.8445 - auroc: 0.598 - ETA: 2:42 - loss: 2.3408 - acc: 0.8446 - auroc: 0.597 - ETA: 2:
37 - loss: 2.3374 - acc: 0.8446 - auroc: 0.598 - ETA: 2:32 - loss: 2.3341 - acc: 0.8446 - auroc: 0
.598 - ETA: 2:27 - loss: 2.3308 - acc: 0.8445 - auroc: 0.598 - ETA: 2:22 - loss: 2.3273 - acc: 0.8
446 - auroc: 0.598 - ETA: 2:17 - loss: 2.3240 - acc: 0.8446 - auroc: 0.598 - ETA: 2:12 - loss: 2.3
208 - acc: 0.8445 - auroc: 0.598 - ETA: 2:07 - loss: 2.3175 - acc: 0.8445 - auroc: 0.598 - ETA: 2:
02 - loss: 2.3142 - acc: 0.8445 - auroc: 0.598 - ETA: 1:57 - loss: 2.3111 - acc: 0.8444 - auroc: 0
.598 - ETA: 1:52 - loss: 2.3076 - acc: 0.8446 - auroc: 0.598 - ETA: 1:47 - loss: 2.3043 - acc: 0.8
445 - auroc: 0.598 - ETA: 1:42 - loss: 2.3011 - acc: 0.8445 - auroc: 0.598 - ETA: 1:37 - loss: 2.2
978 - acc: 0.8445 - auroc: 0.598 - ETA: 1:32 - loss: 2.2946 - acc: 0.8445 - auroc: 0.599 - ETA: 1:
27 - loss: 2.2912 - acc: 0.8446 - auroc: 0.599 - ETA: 1:22 - loss: 2.2881 - acc: 0.8446 - auroc: 0
.599 - ETA: 1:17 - loss: 2.2848 - acc: 0.8446 - auroc: 0.599 - ETA: 1:12 - loss: 2.2815 - acc: 0.8

```
447 - auroc: 0.599 - ETA: 1:06 - loss: 2.2784 - acc: 0.8446 - auroc: 0.599 - ETA: 1:01 - loss: 2.2
752 - acc: 0.8446 - auroc: 0.599 - ETA: 56s - loss: 2.2719 - acc: 0.8447 - auroc: 0.600 - ETA: 51s
- loss: 2.2687 - acc: 0.8447 - auroc: 0.60 - ETA: 46s - loss: 2.2655 - acc: 0.8448 - auroc: 0.60 -
ETA: 41s - loss: 2.2626 - acc: 0.8446 - auroc: 0.60 - ETA: 36s - loss: 2.2593 - acc: 0.8447 - auro
c: 0.60 - ETA: 31s - loss: 2.2560 - acc: 0.8448 - auroc: 0.60 - ETA: 26s - loss: 2.2532 - acc: 0.8
446 - auroc: 0.60 - ETA: 21s - loss: 2.2501 - acc: 0.8446 - auroc: 0.60 - ETA: 16s - loss: 2.2469
- acc: 0.8447 - auroc: 0.60 - ETA: 11s - loss: 2.2439 - acc: 0.8446 - auroc: 0.60 - ETA: 6s - loss
: 2.2409 - acc: 0.8446 - auroc: 0.6014 - ETA: 1s - loss: 2.2377 - acc: 0.8447 - auroc: 0.601 - 296
3s 42ms/step - loss: 2.2370 - acc: 0.8447 - auroc: 0.6014 - val_loss: 0.5596 - val_acc: 0.8486 - v
al_auroc: 0.6924
Epoch 2/15
18688/69918 [=======>......................] - ETA: 50:38 - loss: 0.6752 - acc: 0.7891 - auroc: 0.
59 - ETA: 50:22 - loss: 0.6077 - acc: 0.8281 - auroc: 0.60 - ETA: 50:15 - loss: 0.6151 - acc: 0.82
29 - auroc: 0.60 - ETA: 50:10 - loss: 0.5956 - acc: 0.8320 - auroc: 0.64 - ETA: 50:08 - loss: 0.58
40 - acc: 0.8375 - auroc: 0.66 - ETA: 49:52 - loss: 0.5811 - acc: 0.8398 - auroc: 0.66 - ETA: 49:4
5 - loss: 0.5765 - acc: 0.8426 - auroc: 0.66 - ETA: 49:50 - loss: 0.5751 - acc: 0.8447 - auroc: 0.
64 - ETA: 49:41 - loss: 0.5896 - acc: 0.8385 - auroc: 0.63 - ETA: 49:38 - loss: 0.5856 - acc: 0.84
06 - auroc: 0.63 - ETA: 49:31 - loss: 0.5881 - acc: 0.8388 - auroc: 0.62 - ETA: 49:23 - loss: 0.58
76 - acc: 0.8385 - auroc: 0.62 - ETA: 49:19 - loss: 0.5882 - acc: 0.8377 - auroc: 0.63 - ETA: 49:1
6 - loss: 0.5871 - acc: 0.8382 - auroc: 0.63 - ETA: 49:09 - loss: 0.5809 - acc: 0.8427 - auroc: 0.
63 - ETA: 49:03 - loss: 0.5809 - acc: 0.8418 - auroc: 0.63 - ETA: 49:01 - loss: 0.5813 - acc: 0.84
10 - auroc: 0.63 - ETA: 48:57 - loss: 0.5814 - acc: 0.8403 - auroc: 0.64 - ETA: 48:49 - loss: 0.58
14 - acc: 0.8400 - auroc: 0.63 - ETA: 48:44 - loss: 0.5863 - acc: 0.8363 - auroc: 0.64 - ETA: 48:4
1 - loss: 0.5874 - acc: 0.8356 - auroc: 0.64 - ETA: 48:34 - loss: 0.5865 - acc: 0.8359 - auroc: 0.
64 - ETA: 48:29 - loss: 0.5845 - acc: 0.8366 - auroc: 0.64 - ETA: 48:20 - loss: 0.5845 - acc: 0.83
66 - auroc: 0.64 - ETA: 48:12 - loss: 0.5836 - acc: 0.8366 - auroc: 0.64 - ETA: 48:06 - loss: 0.58
35 - acc: 0.8365 - auroc: 0.64 - ETA: 48:00 - loss: 0.5852 - acc: 0.8354 - auroc: 0.64 - ETA: 47:5
4 - loss: 0.5845 - acc: 0.8348 - auroc: 0.64 - ETA: 47:45 - loss: 0.5844 - acc: 0.8341 - auroc: 0.
65 - ETA: 47:38 - loss: 0.5800 - acc: 0.8362 - auroc: 0.65 - ETA: 47:35 - loss: 0.5801 - acc: 0.83
67 - auroc: 0.65 - ETA: 47:23 - loss: 0.5825 - acc: 0.8350 - auroc: 0.65 - ETA: 47:14 - loss: 0.58
19 - acc: 0.8355 - auroc: 0.64 - ETA: 47:05 - loss: 0.5819 - acc: 0.8352 - auroc: 0.64 - ETA: 47:0
2 - loss: 0.5798 - acc: 0.8364 - auroc: 0.64 - ETA: 46:59 - loss: 0.5790 - acc: 0.8366 - auroc: 0.
64 - ETA: 46:55 - loss: 0.5776 - acc: 0.8372 - auroc: 0.64 - ETA: 46:50 - loss: 0.5768 - acc: 0.83
76 - auroc: 0.64 - ETA: 46:47 - loss: 0.5768 - acc: 0.8375 - auroc: 0.64 - ETA: 46:42 - loss: 0.57
51 - acc: 0.8383 - auroc: 0.64 - ETA: 46:39 - loss: 0.5749 - acc: 0.8380 - auroc: 0.64 - ETA: 46:3
4 - loss: 0.5735 - acc: 0.8387 - auroc: 0.64 - ETA: 46:26 - loss: 0.5730 - acc: 0.8388 - auroc: 0.
64 - ETA: 46:22 - loss: 0.5732 - acc: 0.8382 - auroc: 0.64 - ETA: 46:13 - loss: 0.5720 - acc: 0.83
89 - auroc: 0.64 - ETA: 46:08 - loss: 0.5720 - acc: 0.8385 - auroc: 0.64 - ETA: 46:03 - loss: 0.57
08 - acc: 0.8386 - auroc: 0.65 - ETA: 45:58 - loss: 0.5700 - acc: 0.8389 - auroc: 0.65 - ETA: 45:5
3 - loss: 0.5686 - acc: 0.8394 - auroc: 0.65 - ETA: 45:47 - loss: 0.5681 - acc: 0.8394 - auroc: 0.
65 - ETA: 45:42 - loss: 0.5681 - acc: 0.8392 - auroc: 0.65 - ETA: 45:37 - loss: 0.5676 - acc: 0.83
89 - auroc: 0.65 - ETA: 45:32 - loss: 0.5676 - acc: 0.8387 - auroc: 0.65 - ETA: 45:27 - loss: 0.56
57 - acc: 0.8394 - auroc: 0.65 - ETA: 45:22 - loss: 0.5630 - acc: 0.8411 - auroc: 0.65 - ETA: 45:1
4 - loss: 0.5613 - acc: 0.8419 - auroc: 0.65 - ETA: 45:08 - loss: 0.5618 - acc: 0.8416 - auroc: 0.
65 - ETA: 45:03 - loss: 0.5603 - acc: 0.8421 - auroc: 0.65 - ETA: 44:58 - loss: 0.5605 - acc: 0.84
15 - auroc: 0.65 - ETA: 44:52 - loss: 0.5600 - acc: 0.8413 - auroc: 0.65 - ETA: 44:47 - loss: 0.56
02 - acc: 0.8412 - auroc: 0.65 - ETA: 44:42 - loss: 0.5595 - acc: 0.8412 - auroc: 0.66 - ETA: 44:3
7 - loss: 0.5590 - acc: 0.8415 - auroc: 0.66 - ETA: 44:32 - loss: 0.5593 - acc: 0.8411 - auroc: 0.
66 - ETA: 44:28 - loss: 0.5586 - acc: 0.8415 - auroc: 0.65 - ETA: 44:22 - loss: 0.5595 - acc: 0.84
06 - auroc: 0.65 - ETA: 44:16 - loss: 0.5588 - acc: 0.8408 - auroc: 0.66 - ETA: 44:11 - loss: 0.55
83 - acc: 0.8410 - auroc: 0.65 - ETA: 44:06 - loss: 0.5586 - acc: 0.8404 - auroc: 0.66 - ETA: 44:0
1 - loss: 0.5594 - acc: 0.8397 - auroc: 0.66 - ETA: 43:56 - loss: 0.5581 - acc: 0.8401 - auroc: 0.
66 - ETA: 43:50 - loss: 0.5574 - acc: 0.8404 - auroc: 0.66 - ETA: 43:45 - loss: 0.5566 - acc: 0.84
04 - auroc: 0.66 - ETA: 43:41 - loss: 0.5567 - acc: 0.8404 - auroc: 0.66 - ETA: 43:36 - loss: 0.55
59 - acc: 0.8408 - auroc: 0.66 - ETA: 43:31 - loss: 0.5536 - acc: 0.8420 - auroc: 0.66 - ETA: 43:2
7 - loss: 0.5527 - acc: 0.8422 - auroc: 0.66 - ETA: 43:21 - loss: 0.5515 - acc: 0.8428 - auroc: 0.
66 - ETA: 43:16 - loss: 0.5504 - acc: 0.8432 - auroc: 0.66 - ETA: 43:10 - loss: 0.5501 - acc: 0.84
34 - auroc: 0.66 - ETA: 43:05 - loss: 0.5484 - acc: 0.8441 - auroc: 0.66 - ETA: 43:00 - loss: 0.54
75 - acc: 0.8444 - auroc: 0.66 - ETA: 42:51 - loss: 0.5476 - acc: 0.8442 - auroc: 0.66 - ETA: 42:4
4 - loss: 0.5486 - acc: 0.8436 - auroc: 0.66 - ETA: 42:35 - loss: 0.5472 - acc: 0.8443 - auroc: 0.
66 - ETA: 42:27 - loss: 0.5478 - acc: 0.8437 - auroc: 0.66 - ETA: 42:22 - loss: 0.5474 - acc: 0.84
39 - auroc: 0.66 - ETA: 42:17 - loss: 0.5470 - acc: 0.8443 - auroc: 0.66 - ETA: 42:11 - loss: 0.54
61 - acc: 0.8449 - auroc: 0.66 - ETA: 42:05 - loss: 0.5456 - acc: 0.8451 - auroc: 0.66 - ETA: 42:0
0 - loss: 0.5450 - acc: 0.8452 - auroc: 0.66 - ETA: 41:55 - loss: 0.5449 - acc: 0.8451 - auroc: 0.
66 - ETA: 41:50 - loss: 0.5445 - acc: 0.8452 - auroc: 0.66 - ETA: 41:46 - loss: 0.5443 - acc: 0.84
53 - auroc: 0.66 - ETA: 41:41 - loss: 0.5453 - acc: 0.8445 - auroc: 0.66 - ETA: 41:35 - loss: 0.54
49 - acc: 0.8446 - auroc: 0.66 - ETA: 41:31 - loss: 0.5447 - acc: 0.8446 - auroc: 0.66 - ETA: 41:4
9 - loss: 0.5448 - acc: 0.8443 - auroc: 0.66 - ETA: 41:51 - loss: 0.5446 - acc: 0.8443 - auroc: 0.
66 - ETA: 42:09 - loss: 0.5441 - acc: 0.8446 - auroc: 0.66 - ETA: 42:26 - loss: 0.5437 - acc: 0.84
48 - auroc: 0.66 - ETA: 42:41 - loss: 0.5439 - acc: 0.8445 - auroc: 0.66 - ETA: 42:55 - loss: 0.54
35 - acc: 0.8446 - auroc: 0.66 - ETA: 43:11 - loss: 0.5425 - acc: 0.8450 - auroc: 0.66 - ETA: 43:1
6 - loss: 0.5409 - acc: 0.8457 - auroc: 0.66 - ETA: 43:30 - loss: 0.5407 - acc: 0.8457 - auroc: 0.
66 - ETA: 43:42 - loss: 0.5407 - acc: 0.8457 - auroc: 0.66 - ETA: 43:57 - loss: 0.5408 - acc: 0.84
56 - auroc: 0.66 - ETA: 44:08 - loss: 0.5401 - acc: 0.8459 - auroc: 0.66 - ETA: 44:19 - loss: 0.53
98 - acc: 0.8461 - auroc: 0.66 - ETA: 44:23 - loss: 0.5395 - acc: 0.8462 - auroc: 0.66 - ETA: 44:2
8 - loss: 0.5398 - acc: 0.8458 - auroc: 0.65 - ETA: 44:39 - loss: 0.5394 - acc: 0.8460 - auroc: 0.
66 - ETA: 44:51 - loss: 0.5386 - acc: 0.8464 - auroc: 0.66 - ETA: 44:59 - loss: 0.5386 - acc: 0.84
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63 - auroc: 0.66 - ETA: 45:09 - loss: 0.5384 - acc: 0.8464 - auroc: 0.65 - ETA: 45:18 - loss: 0.53
83 - acc: 0.8464 - auroc: 0.65 - ETA: 45:23 - loss: 0.5382 - acc: 0.8464 - auroc: 0.65 - ETA: 45:3
1 - loss: 0.5380 - acc: 0.8464 - auroc: 0.65 - ETA: 45:40 - loss: 0.5378 - acc: 0.8464 - auroc: 0.
65 - ETA: 45:46 - loss: 0.5373 - acc: 0.8465 - auroc: 0.65 - ETA: 45:54 - loss: 0.5373 - acc: 0.84
64 - auroc: 0.65 - ETA: 46:02 - loss: 0.5370 - acc: 0.8464 - auroc: 0.65 - ETA: 46:05 - loss: 0.53
67 - acc: 0.8464 - auroc: 0.65 - ETA: 46:10 - loss: 0.5365 - acc: 0.8463 - auroc: 0.65 - ETA: 46:1
8 - loss: 0.5366 - acc: 0.8461 - auroc: 0.65 - ETA: 46:24 - loss: 0.5359 - acc: 0.8464 - auroc: 0.
66 - ETA: 46:29 - loss: 0.5355 - acc: 0.8465 - auroc: 0.66 - ETA: 46:36 - loss: 0.5360 - acc: 0.84
59 - auroc: 0.66 - ETA: 46:36 - loss: 0.5369 - acc: 0.8454 - auroc: 0.65 - ETA: 46:42 - loss: 0.53
63 - acc: 0.8458 - auroc: 0.65 - ETA: 46:46 - loss: 0.5359 - acc: 0.8458 - auroc: 0.65 - ETA: 46:5
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57 - auroc: 0.65 - ETA: 47:06 - loss: 0.5348 - acc: 0.8457 - auroc: 0.65 - ETA: 47:07 - loss: 0.53
43 - acc: 0.8458 - auroc: 0.65 - ETA: 47:10 - loss: 0.5339 - acc: 0.8459 - auroc: 0.65 - ETA: 47:1
3 - loss: 0.5332 - acc: 0.8461 - auroc: 0.65 - ETA: 47:14 - loss: 0.5329 - acc: 0.8462 - auroc: 0.
66 - ETA: 47:12 - loss: 0.5333 - acc: 0.8458 - auroc: 0.66 - ETA: 47:04 - loss: 0.5332 - acc: 0.84
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39 - acc: 0.8451 - auroc: 0.66 - ETA: 46:31 - loss: 0.5334 - acc: 0.8452 - auroc:
0.661137376/69918 [===============>..............] - ETA: 46:19 - loss: 0.5335 - acc: 0.8450 - aur
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: 0.5215 - acc: 0.8476 - auroc: 0.65 - ETA: 41:44 - loss: 0.5213 - acc: 0.8476 - auroc: 0.65 - ETA
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: 0.5207 - acc: 0.8474 - auroc: 0.65 - ETA: 41:32 - loss: 0.5204 - acc: 0.8475 - auroc: 0.65 - ETA
: 41:31 - loss: 0.5205 - acc: 0.8474 - auroc: 0.65 - ETA: 41:30 - loss: 0.5197 - acc: 0.8478 - aur
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: 0.5185 - acc: 0.8480 - auroc: 0.65 - ETA: 41:17 - loss: 0.5187 - acc: 0.8479 - auroc: 0.65 - ETA
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: 0.8475 - auroc: 0.65 - ETA: 40:59 - loss: 0.5185 - acc: 0.8474 - auroc: 0.65 - ETA: 40:55 - loss
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: 0.5133 - acc: 0.8479 - auroc: 0.65 - ETA: 36:27 - loss: 0.5132 - acc: 0.8478 - auroc: 0.65 - ETA
: 36:16 - loss: 0.5132 - acc: 0.8477 - auroc: 0.65 - ETA: 36:05 - loss: 0.5130 - acc: 0.8478 - aur
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: 0.8477 - auroc: 0.65 - ETA: 35:32 - loss: 0.5128 - acc: 0.8476 - auroc: 0.65 - ETA: 35:22 - loss
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: 0.8477 - auroc: 0.65 - ETA: 33:09 - loss: 0.5109 - acc: 0.8476 - auroc: 0.65 - ETA: 32:59 - loss
: 0.5108 - acc: 0.8475 - auroc: 0.65 - ETA: 32:49 - loss: 0.5103 - acc: 0.8478 - auroc: 0.65 - ETA
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: 0.5092 - acc: 0.8479 - auroc: 0.65 - ETA: 31:40 - loss: 0.5093 - acc: 0.8478 - auroc: 0.65 - ETA
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: 0.8476 - auroc: 0.65 - ETA: 30:52 - loss: 0.5088 - acc: 0.8476 - auroc: 0.65 - ETA: 30:42 - loss
: 0.5088 - acc: 0.8476 - auroc: 0.65 - ETA: 30:33 - loss: 0.5091 - acc: 0.8473 - auroc: 0.65 - ETA
: 30:23 - loss: 0.5091 - acc: 0.8473 - auroc: 0.65 - ETA: 30:14 - loss: 0.5086 - acc: 0.8475 - aur
oc: 0.65 - ETA: 30:05 - loss: 0.5081 - acc: 0.8477 - auroc: 0.65 - ETA: 29:55 - loss: 0.5082 - acc
: 0.8476 - auroc: 0.65 - ETA: 29:46 - loss: 0.5079 - acc: 0.8476 - auroc: 0.65 - ETA: 29:37 - loss
: 0.5080 - acc: 0.8475 - auroc: 0.65 - ETA: 29:27 - loss: 0.5081 - acc: 0.8474 - auroc:
0.651856064/69918 [========================>......] - ETA: 29:18 - loss: 0.5080 - acc: 0.8473 - aur
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: 0.8472 - auroc: 0.65 - ETA: 28:51 - loss: 0.5076 - acc: 0.8474 - auroc: 0.65 - ETA: 28:42 - loss
: 0.5073 - acc: 0.8475 - auroc: 0.65 - ETA: 28:33 - loss: 0.5075 - acc: 0.8473 - auroc: 0.65 - ETA
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oc: 0.65 - ETA: 28:06 - loss: 0.5071 - acc: 0.8473 - auroc: 0.65 - ETA: 27:57 - loss: 0.5070 - acc
: 0.8473 - auroc: 0.65 - ETA: 27:49 - loss: 0.5070 - acc: 0.8472 - auroc: 0.65 - ETA: 27:40 - loss
: 0.5071 - acc: 0.8471 - auroc: 0.65 - ETA: 27:31 - loss: 0.5071 - acc: 0.8471 - auroc: 0.65 - ETA
: 27:22 - loss: 0.5069 - acc: 0.8471 - auroc: 0.65 - ETA: 27:13 - loss: 0.5069 - acc: 0.8470 - aur
oc: 0.65 - ETA: 27:04 - loss: 0.5067 - acc: 0.8470 - auroc: 0.65 - ETA: 26:56 - loss: 0.5065 - acc
: 0.8471 - auroc: 0.64 - ETA: 26:47 - loss: 0.5067 - acc: 0.8469 - auroc: 0.65 - ETA: 26:38 - loss
: 0.5065 - acc: 0.8470 - auroc: 0.64 - ETA: 26:30 - loss: 0.5065 - acc: 0.8469 - auroc: 0.64 - ETA
: 26:22 - loss: 0.5062 - acc: 0.8470 - auroc: 0.64 - ETA: 26:13 - loss: 0.5060 - acc: 0.8470 - aur
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: 0.8467 - auroc: 0.64 - ETA: 25:48 - loss: 0.5059 - acc: 0.8468 - auroc: 0.64 - ETA: 25:40 - loss
: 0.5057 - acc: 0.8469 - auroc: 0.64 - ETA: 25:31 - loss: 0.5054 - acc: 0.8469 - auroc: 0.64 - ETA
: 25:23 - loss: 0.5051 - acc: 0.8470 - auroc: 0.65 - ETA: 25:14 - loss: 0.5049 - acc: 0.8471 - aur
oc: 0.65 - ETA: 25:06 - loss: 0.5049 - acc: 0.8470 - auroc: 0.65 - ETA: 24:58 - loss: 0.5051 - acc
: 0.8468 - auroc: 0.65 - ETA: 24:50 - loss: 0.5051 - acc: 0.8467 - auroc: 0.65 - ETA: 24:42 - loss
: 0.5048 - acc: 0.8469 - auroc: 0.65 - ETA: 24:33 - loss: 0.5044 - acc: 0.8470 - auroc: 0.65 - ETA
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: 0.8470 - auroc: 0.65 - ETA: 22:56 - loss: 0.5027 - acc: 0.8470 - auroc: 0.65 - ETA: 22:48 - loss
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: 0.8471 - auroc: 0.65 - ETA: 15:58 - loss: 0.4967 - acc: 0.8471 - auroc: 0.65 - ETA: 15:51 - loss
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: 0.4958 - acc: 0.8475 - auroc: 0.65 - ETA: 14:55 - loss: 0.4956 - acc: 0.8475 - auroc: 0.65 - ETA
: 14:48 - loss: 0.4957 - acc: 0.8475 - auroc: 0.65 - ETA: 14:42 - loss: 0.4957 - acc: 0.8474 - aur
oc: 0.65 - ETA: 14:35 - loss: 0.4956 - acc: 0.8474 - auroc: 0.65 - ETA: 14:28 - loss: 0.4956 - acc
: 0.8473 - auroc: 0.65 - ETA: 14:21 - loss: 0.4958 - acc: 0.8472 - auroc: 0.65 - ETA: 14:14 - loss
: 0.4955 - acc: 0.8472 - auroc: 0.65 - ETA: 14:07 - loss: 0.4954 - acc: 0.8472 - auroc: 0.65 - ETA
: 14:00 - loss: 0.4953 - acc: 0.8472 - auroc: 0.65 - ETA: 13:54 - loss: 0.4951 - acc: 0.8472 - aur
oc: 0.65 - ETA: 13:47 - loss: 0.4950 - acc: 0.8472 - auroc: 0.65 - ETA: 13:40 - loss: 0.4948 - acc
: 0.8473 - auroc: 0.65 - ETA: 13:33 - loss: 0.4946 - acc: 0.8473 - auroc: 0.65 - ETA: 13:26 - loss
: 0.4945 - acc: 0.8473 - auroc: 0.65 - ETA: 13:20 - loss: 0.4949 - acc: 0.8471 - auroc: 0.65 - ETA
: 13:13 - loss: 0.4947 - acc: 0.8472 - auroc: 0.65 - ETA: 13:06 - loss: 0.4946 - acc: 0.8472 - aur
oc: 0.65 - ETA: 12:59 - loss: 0.4944 - acc: 0.8472 - auroc: 0.65 - ETA: 12:53 - loss: 0.4942 - acc
: 0.8473 - auroc: 0.65 - ETA: 12:46 - loss: 0.4941 - acc: 0.8473 - auroc: 0.65 - ETA: 12:39 - loss
: 0.4940 - acc: 0.8474 - auroc: 0.65 - ETA: 12:33 - loss: 0.4940 - acc: 0.8473 - auroc: 0.65 - ETA
: 12:26 - loss: 0.4937 - acc: 0.8474 - auroc: 0.65 - ETA: 12:19 - loss: 0.4938 - acc: 0.8474 - aur
oc: 0.65 - ETA: 12:13 - loss: 0.4935 - acc: 0.8474 - auroc: 0.65 - ETA: 12:06 - loss: 0.4934 - acc
: 0.8475 - auroc: 0.65 - ETA: 11:59 - loss: 0.4931 - acc: 0.8476 - auroc: 0.65 - ETA: 11:53 - loss
: 0.4929 - acc: 0.8476 - auroc: 0.65 - ETA: 11:46 - loss: 0.4930 - acc: 0.8476 - auroc: 0.65 - ETA
: 11:40 - loss: 0.4929 - acc: 0.8476 - auroc: 0.65 - ETA: 11:33 - loss: 0.4926 - acc: 0.8477 - aur
oc: 0.65 - ETA: 11:27 - loss: 0.4923 - acc: 0.8478 - auroc: 0.65 - ETA: 11:20 - loss: 0.4924 - acc
: 0.8476 - auroc: 0.65 - ETA: 11:13 - loss: 0.4926 - acc: 0.8475 - auroc: 0.65 - ETA: 11:07 - loss
: 0.4925 - acc: 0.8475 - auroc: 0.65 - ETA: 11:00 - loss: 0.4923 - acc: 0.8475 - auroc:
0.654369918/69918 [==============================] - ETA: 10:54 - loss: 0.4920 - acc: 0.8477 - aur
oc: 0.65 - ETA: 10:47 - loss: 0.4918 - acc: 0.8477 - auroc: 0.65 - ETA: 10:41 - loss: 0.4917 - acc
: 0.8478 - auroc: 0.65 - ETA: 10:34 - loss: 0.4914 - acc: 0.8478 - auroc: 0.65 - ETA: 10:28 - loss
: 0.4914 - acc: 0.8478 - auroc: 0.65 - ETA: 10:21 - loss: 0.4914 - acc: 0.8478 - auroc: 0.65 - ETA
: 10:15 - loss: 0.4915 - acc: 0.8477 - auroc: 0.65 - ETA: 10:09 - loss: 0.4915 - acc: 0.8476 - aur
oc: 0.65 - ETA: 10:02 - loss: 0.4911 - acc: 0.8478 - auroc: 0.65 - ETA: 9:56 - loss: 0.4910 - acc:
0.8478 - auroc: 0.6550 - ETA: 9:49 - loss: 0.4911 - acc: 0.8478 - auroc: 0.654 - ETA: 9:43 - loss:
0.4909 - acc: 0.8478 - auroc: 0.654 - ETA: 9:36 - loss: 0.4908 - acc: 0.8479 - auroc: 0.654 - ETA:
9:30 - loss: 0.4908 - acc: 0.8478 - auroc: 0.654 - ETA: 9:23 - loss: 0.4907 - acc: 0.8478 - auroc:
0.654 - ETA: 9:17 - loss: 0.4909 - acc: 0.8477 - auroc: 0.654 - ETA: 9:11 - loss: 0.4908 - acc: 0.
8477 - auroc: 0.654 - ETA: 9:04 - loss: 0.4907 - acc: 0.8477 - auroc: 0.654 - ETA: 8:58 - loss: 0.
4905 - acc: 0.8478 - auroc: 0.654 - ETA: 8:52 - loss: 0.4905 - acc: 0.8478 - auroc: 0.654 - ETA: 8
:45 - loss: 0.4903 - acc: 0.8479 - auroc: 0.653 - ETA: 8:39 - loss: 0.4903 - acc: 0.8478 - auroc:
0.653 - ETA: 8:33 - loss: 0.4900 - acc: 0.8480 - auroc: 0.653 - ETA: 8:26 - loss: 0.4899 - acc: 0.
8480 - auroc: 0.653 - ETA: 8:20 - loss: 0.4897 - acc: 0.8480 - auroc: 0.653 - ETA: 8:14 - loss: 0.
4896 - acc: 0.8480 - auroc: 0.654 - ETA: 8:07 - loss: 0.4895 - acc: 0.8480 - auroc: 0.654 - ETA: 8
:01 - loss: 0.4893 - acc: 0.8481 - auroc: 0.654 - ETA: 7:55 - loss: 0.4892 - acc: 0.8481 - auroc:
0.654 - ETA: 7:49 - loss: 0.4892 - acc: 0.8481 - auroc: 0.654 - ETA: 7:42 - loss: 0.4890 - acc: 0.
8481 - auroc: 0.654 - ETA: 7:36 - loss: 0.4890 - acc: 0.8481 - auroc: 0.654 - ETA: 7:30 - loss: 0.
4889 - acc: 0.8481 - auroc: 0.654 - ETA: 7:24 - loss: 0.4889 - acc: 0.8481 - auroc: 0.653 - ETA: 7
:17 - loss: 0.4889 - acc: 0.8480 - auroc: 0.653 - ETA: 7:11 - loss: 0.4887 - acc: 0.8481 - auroc:
0.654 - ETA: 7:05 - loss: 0.4886 - acc: 0.8481 - auroc: 0.654 - ETA: 6:59 - loss: 0.4884 - acc: 0.
8482 - auroc: 0.654 - ETA: 6:53 - loss: 0.4882 - acc: 0.8483 - auroc: 0.654 - ETA: 6:46 - loss: 0.
4880 - acc: 0.8484 - auroc: 0.653 - ETA: 6:40 - loss: 0.4877 - acc: 0.8485 - auroc: 0.653 - ETA: 6
:34 - loss: 0.4876 - acc: 0.8485 - auroc: 0.653 - ETA: 6:28 - loss: 0.4873 - acc: 0.8486 - auroc:
0.653 - ETA: 6:22 - loss: 0.4871 - acc: 0.8487 - auroc: 0.653 - ETA: 6:16 - loss: 0.4871 - acc: 0.
8487 - auroc: 0.653 - ETA: 6:09 - loss: 0.4871 - acc: 0.8487 - auroc: 0.653 - ETA: 6:03 - loss: 0.
4870 - acc: 0.8487 - auroc: 0.653 - ETA: 5:57 - loss: 0.4871 - acc: 0.8486 - auroc: 0.653 - ETA: 5
:51 - loss: 0.4870 - acc: 0.8487 - auroc: 0.653 - ETA: 5:45 - loss: 0.4869 - acc: 0.8486 - auroc:
0.653 - ETA: 5:39 - loss: 0.4869 - acc: 0.8486 - auroc: 0.653 - ETA: 5:33 - loss: 0.4868 - acc: 0.
8487 - auroc: 0.653 - ETA: 5:27 - loss: 0.4868 - acc: 0.8486 - auroc: 0.652 - ETA: 5:21 - loss: 0.
4867 - acc: 0.8486 - auroc: 0.652 - ETA: 5:15 - loss: 0.4866 - acc: 0.8486 - auroc: 0.652 - ETA: 5
:08 - loss: 0.4867 - acc: 0.8486 - auroc: 0.652 - ETA: 5:02 - loss: 0.4866 - acc: 0.8485 - auroc:
0.652 - ETA: 4:56 - loss: 0.4866 - acc: 0.8485 - auroc: 0.652 - ETA: 4:50 - loss: 0.4865 - acc: 0.
8485 - auroc: 0.652 - ETA: 4:44 - loss: 0.4865 - acc: 0.8485 - auroc: 0.652 - ETA: 4:38 - loss: 0.
4863 - acc: 0.8486 - auroc: 0.652 - ETA: 4:32 - loss: 0.4862 - acc: 0.8486 - auroc: 0.652 - ETA: 4
:26 - loss: 0.4862 - acc: 0.8486 - auroc: 0.652 - ETA: 4:20 - loss: 0.4860 - acc: 0.8486 - auroc:
0.652 - ETA: 4:14 - loss: 0.4858 - acc: 0.8487 - auroc: 0.652 - ETA: 4:08 - loss: 0.4858 - acc: 0.
8486 - auroc: 0.652 - ETA: 4:02 - loss: 0.4857 - acc: 0.8487 - auroc: 0.652 - ETA: 3:56 - loss: 0.
4856 - acc: 0.8487 - auroc: 0.652 - ETA: 3:50 - loss: 0.4854 - acc: 0.8488 - auroc: 0.651 - ETA: 3
:44 - loss: 0.4854 - acc: 0.8487 - auroc: 0.651 - ETA: 3:38 - loss: 0.4852 - acc: 0.8488 - auroc:
0.651 - ETA: 3:32 - loss: 0.4852 - acc: 0.8488 - auroc: 0.651 - ETA: 3:26 - loss: 0.4851 - acc: 0.
8488 - auroc: 0.651 - ETA: 3:20 - loss: 0.4850 - acc: 0.8488 - auroc: 0.652 - ETA: 3:14 - loss: 0.
4849 - acc: 0.8488 - auroc: 0.652 - ETA: 3:08 - loss: 0.4849 - acc: 0.8488 - auroc: 0.651 - ETA: 3
:02 - loss: 0.4847 - acc: 0.8489 - auroc: 0.651 - ETA: 2:56 - loss: 0.4845 - acc: 0.8489 - auroc:

.02 - loss: 0.4847 - acc: 0.8489 - auroc: 0.651 - ETA: 2:50 - loss: 0.4845 - acc: 0.8489 - auroc: 0.651 - ETA: 2:50 - loss: 0.4846 - acc: 0.8489 - auroc: 0.651 - ETA: 2:45 - loss: 0.4845 - acc: 0.8489 - auroc: 0.651 - ETA: 2:39 - loss: 0.4846 - acc: 0.8488 - auroc: 0.651 - ETA: 2:33 - loss: 0.4844 - acc: 0.8489 - auroc: 0.651 - ETA: 2:27 - loss: 0.4844 - acc: 0.8489 - auroc: 0.651 - ETA: 2:21 - loss: 0.4843 - acc: 0.8489 - auroc: 0.651 - ETA: 2:15 - loss: 0.4841 - acc: 0.8489 - auroc: 0.651 - ETA: 2:09 - loss: 0.4840 - acc: 0.8489 - auroc: 0.651 - ETA: 2:03 - loss: 0.4838 - acc: 0.8490 - auroc: 0.652 - ETA: 1:57 - loss: 0.4837 - acc: 0.8490 - auroc: 0.651 - ETA: 1:51 - loss: 0.4836 - acc: 0.8490 - auroc: 0.651 - ETA: 1:46 - loss: 0.4835 - acc: 0.8491 - auroc: 0.652 - ETA: 1:40 - loss: 0.4834 - acc: 0.8491 - auroc: 0.652 - ETA: 1:34 - loss: 0.4834 - acc: 0.8490 - auroc: 0.652 - ETA: 1:28 - loss: 0.4834 - acc: 0.8490 - auroc: 0.652 - ETA: 1:22 - loss: 0.4833 - acc: 0.8490 - auroc: 0.652 - ETA: 1:16 - loss: 0.4834 - acc: 0.8489 - auroc: 0.652 - ETA: 1:10 - loss: 0.4834 - acc: 0.8488 - auroc: 0.652 - ETA: 1:05 - loss: 0.4835 - acc: 0.8487 - auroc: 0.652 - ETA: 59s - loss: 0.4835 - acc: 0.8487 - auroc: 0.652 - ETA: 53s - loss: 0.4834 - acc: 0.8487 - auroc: 0.65 - ETA: 47s - loss: 0.4833 - acc: 0.8487 - auroc: 0.65 - ETA: 41s - loss: 0.4832 - acc: 0.8487 - auroc: 0.65 - ETA: 36s - loss: 0.4830 - acc: 0.8488 - auroc: 0.65 - ETA: 30s - loss: 0.4830 - acc: 0.8488 - auroc: 0.65 - ETA: 24s - loss: 0.4829 - acc: 0.8487 - auroc: 0.65 - ETA: 18s - loss: 0.4829 - acc: 0.8487 - auroc: 0.65 - ETA: 12s - loss: 0.4829 - acc: 0.8487 - auroc: 0.65 - ETA: 7s - loss: 0.4829 - acc: 0.8487 - auroc: 0.6528 - ETA: 1s - loss: 0.4829 - acc: 0.8486 - auroc: 0.652 - 3314s 47ms/step - loss: 0.4830 - acc: 0.8486 - auroc: 0.6526 - val_loss: 0.4664 - val_acc: 0.8486 - val_auroc: 0.6591
Epoch 3/15
18688/69918 [=======>......................] - ETA: 37:31 - loss: 0.4676 - acc: 0.8594 - auroc: 0.51 - ETA: 38:27 - loss: 0.4899 - acc: 0.8438 - auroc: 0.55 - ETA: 39:08 - loss: 0.4848 - acc: 0.8490 - auroc: 0.57 - ETA: 38:47 - loss: 0.4676 - acc: 0.8633 - auroc: 0.59 - ETA: 39:14 - loss: 0.4640 - acc: 0.8656 - auroc: 0.59 - ETA: 39:01 - loss: 0.4644 - acc: 0.8633 - auroc: 0.60 - ETA: 38:53 - loss: 0.4697 - acc: 0.8594 - auroc: 0.59 - ETA: 39:07 - loss: 0.4777 - acc: 0.8555 - auroc: 0.58 - ETA: 38:52 - loss: 0.4708 - acc: 0.8585 - auroc: 0.58 - ETA: 38:43 - loss: 0.4663 - acc: 0.8586 - auroc: 0.61 - ETA: 38:41 - loss: 0.4684 - acc: 0.8572 - auroc: 0.60 - ETA: 38:47 - loss: 0.4593 - acc: 0.8613 - auroc: 0.61 - ETA: 38:35 - loss: 0.4616 - acc: 0.8594 - auroc: 0.61 - ETA: 38:30 - loss: 0.4777 - acc: 0.8521 - auroc: 0.60 - ETA: 38:14 - loss: 0.4731 - acc: 0.8536 - auroc: 0.61 - ETA: 38:06 - loss: 0.4774 - acc: 0.8511 - auroc: 0.60 - ETA: 38:08 - loss: 0.4767 - acc: 0.8511 - auroc: 0.60 - ETA: 38:18 - loss: 0.4732 - acc: 0.8533 - auroc: 0.60 - ETA: 38:10 - loss: 0.4730 - acc: 0.8532 - auroc: 0.60 - ETA: 38:10 - loss: 0.4714 - acc: 0.8543 - auroc: 0.60 - ETA: 38:07 - loss: 0.4714 - acc: 0.8542 - auroc: 0.59 - ETA: 38:01 - loss: 0.4729 - acc: 0.8526 - auroc: 0.59 - ETA: 37:55 - loss: 0.4740 - acc: 0.8512 - auroc: 0.60 - ETA: 37:49 - loss: 0.4705 - acc: 0.8532 - auroc: 0.60 - ETA: 37:44 - loss: 0.4689 - acc: 0.8538 - auroc: 0.60 - ETA: 37:43 - loss: 0.4675 - acc: 0.8540 - auroc: 0.60 - ETA: 37:41 - loss: 0.4681 - acc: 0.8533 - auroc: 0.60 - ETA: 37:32 - loss: 0.4676 - acc: 0.8530 - auroc: 0.60 - ETA: 37:25 - loss: 0.4684 - acc: 0.8521 - auroc: 0.60 - ETA: 37:22 - loss: 0.4679 - acc: 0.8518 - auroc: 0.60 - ETA: 37:14 - loss: 0.4639 - acc: 0.8536 - auroc: 0.61 - ETA: 37:07 - loss: 0.4653 - acc: 0.8523 - auroc: 0.61 - ETA: 37:03 - loss: 0.4660 - acc: 0.8516 - auroc: 0.61 - ETA: 36:55 - loss: 0.4652 - acc: 0.8516 - auroc: 0.61 - ETA: 36:48 - loss: 0.4643 - acc: 0.8516 - auroc: 0.61 - ETA: 36:48 - loss: 0.4641 - acc: 0.8511 - auroc: 0.62 - ETA: 36:46 - loss: 0.4635 - acc: 0.8509 - auroc: 0.62 - ETA: 36:42 - loss: 0.4612 - acc: 0.8520 - auroc: 0.62 - ETA: 36:36 - loss: 0.4597 - acc: 0.8528 - auroc: 0.62 - ETA: 36:33 - loss: 0.4592 - acc: 0.8531 - auroc: 0.61 - ETA: 36:26 - loss: 0.4585 - acc: 0.8531 - auroc: 0.62 - ETA: 36:25 - loss: 0.4560 - acc: 0.8540 - auroc: 0.62 - ETA: 36:21 - loss: 0.4584 - acc: 0.8528 - auroc: 0.62 - ETA: 36:15 - loss: 0.4574 - acc: 0.8533 - auroc: 0.62 - ETA: 36:13 - loss: 0.4582 - acc: 0.8526 - auroc: 0.62 - ETA: 36:09 - loss: 0.4585 - acc: 0.8522 - auroc: 0.62 - ETA: 36:04 - loss: 0.4600 - acc: 0.8514 - auroc: 0.61 - ETA: 36:01 - loss: 0.4612 - acc: 0.8506 - auroc: 0.61 - ETA: 36:00 - loss: 0.4629 - acc: 0.8493 - auroc: 0.61 - ETA: 35:55 - loss: 0.4648 - acc: 0.8480 - auroc: 0.61 - ETA: 35:51 - loss: 0.4645 - acc: 0.8480 - auroc: 0.61 - ETA: 35:56 - loss: 0.4651 - acc: 0.8475 - auroc: 0.61 - ETA: 35:51 - loss: 0.4659 - acc: 0.8468 - auroc: 0.61 - ETA: 35:52 - loss: 0.4652 - acc: 0.8472 - auroc: 0.61 - ETA: 35:50 - loss: 0.4663 - acc: 0.8463 - auroc: 0.61 - ETA: 35:47 - loss: 0.4659 - acc: 0.8464 - auroc: 0.61 - ETA: 35:43 - loss: 0.4649 - acc: 0.8469 - auroc: 0.61 - ETA: 35:37 - loss: 0.4637 - acc: 0.8475 - auroc: 0.61 - ETA: 35:30 - loss: 0.4640 - acc: 0.8472 - auroc: 0.61 - ETA: 35:25 - loss: 0.4636 - acc: 0.8473 - auroc: 0.61 - ETA: 35:20 - loss: 0.4626 - acc: 0.8476 - auroc: 0.61 - ETA: 35:17 - loss: 0.4621 - acc: 0.8478 - auroc: 0.61 - ETA: 35:13 - loss: 0.4613 - acc: 0.8480 - auroc: 0.62 - ETA: 35:09 - loss: 0.4613 - acc: 0.8479 - auroc: 0.61 - ETA: 35:05 - loss: 0.4609 - acc: 0.8480 - auroc: 0.62 - ETA: 35:01 - loss: 0.4606 - acc: 0.8480 - auroc: 0.62 - ETA: 34:59 - loss: 0.4596 - acc: 0.8484 - auroc: 0.62 - ETA: 34:52 - loss: 0.4586 - acc: 0.8487 - auroc: 0.62 - ETA: 34:47 - loss: 0.4583 - acc: 0.8486 - auroc: 0.62 - ETA: 34:45 - loss: 0.4591 - acc: 0.8480 - auroc: 0.62 - ETA: 34:40 - loss: 0.4579 - acc: 0.8485 - auroc: 0.62 - ETA: 34:34 - loss: 0.4569 - acc: 0.8490 - auroc: 0.62 - ETA: 34:30 - loss: 0.4571 - acc: 0.8486 - auroc: 0.62 - ETA: 34:27 - loss: 0.4568 - acc: 0.8486 - auroc: 0.62 - ETA: 34:22 - loss: 0.4558 - acc: 0.8491 - auroc: 0.62 - ETA: 34:20 - loss: 0.4559 - acc: 0.8488 - auroc: 0.63 - ETA: 34:16 - loss: 0.4561 - acc: 0.8485 - auroc: 0.63 - ETA: 34:12 - loss: 0.4558 - acc: 0.8486 - auroc: 0.63 - ETA: 34:08 - loss: 0.4556 - acc: 0.8486 - auroc: 0.63 - ETA: 34:05 - loss: 0.4559 - acc: 0.8482 - auroc: 0.63 - ETA: 33:59 - loss: 0.4570 - acc: 0.8475 - auroc: 0.63 - ETA: 33:56 - loss: 0.4563 - acc: 0.8478 - auroc: 0.63 - ETA: 33:52 - loss: 0.4560 - acc: 0.8480 - auroc: 0.63 - ETA: 33:46 - loss: 0.4551 - acc: 0.8486 - auroc: 0.63 - ETA: 33:43 - loss: 0.4547 - acc: 0.8488 - auroc: 0.63 - ETA: 33:32 - loss: 0.4550 - acc: 0.8486 - auroc: 0.63 - ETA: 33:14 - loss: 0.4548 - acc: 0.8487 - auroc: 0.63 - ETA: 32:58 - loss: 0.4539 - acc: 0.8493 - auroc: 0.63 - ETA: 32:41 - loss: 0.4535 - acc: 0.8495 - auroc: 0.63 - ETA: 32:25 - loss: 0.4531 - acc: 0.8496 - auroc: 0.63 - ETA: 32:09 - loss: 0.4539 - acc: 0.8491 - auroc: 0.63 - ETA: 31:54 - loss: 0.4528 - acc: 0.8495 - auroc: 0.63 - ETA: 31:38 - loss: 0.4526 - acc: 0.8495 - auroc: 0.63 - ETA: 31:23 - loss: 0.4537 - acc: 0.8491 - auroc: 0.63 - ETA: 31:09 - loss: 0.4542 - acc: 0.8488 - auroc: 0.63 - ETA: 30:54 - loss: 0.4533 - acc: 0.8493 - auroc: 0.63 - ETA: 30:40 - loss: 0.4530 - acc: 0.8495 - auroc: 0.63 - ETA: 30:28 - loss: 0.4523 - acc: 0.8498 - auroc: 0.63 - ETA: 30:16 - loss: 0.4523 - acc: 0.8497 - auroc: 0.

8 - loss: 0.4525 - acc: 0.8498 - auroc: 0.63 - ETA: 30:16 - loss: 0.4525 - acc: 0.8497 - auroc: 0.
63 - ETA: 30:04 - loss: 0.4524 - acc: 0.8496 - auroc: 0.63 - ETA: 29:52 - loss: 0.4515 - acc: 0.85
00 - auroc: 0.63 - ETA: 29:40 - loss: 0.4520 - acc: 0.8497 - auroc: 0.63 - ETA: 29:29 - loss: 0.45
14 - acc: 0.8499 - auroc: 0.63 - ETA: 29:18 - loss: 0.4513 - acc: 0.8499 - auroc: 0.63 - ETA: 29:0
6 - loss: 0.4512 - acc: 0.8499 - auroc: 0.63 - ETA: 28:55 - loss: 0.4510 - acc: 0.8499 - auroc: 0.
63 - ETA: 28:44 - loss: 0.4513 - acc: 0.8497 - auroc: 0.63 - ETA: 28:34 - loss: 0.4516 - acc: 0.84
94 - auroc: 0.63 - ETA: 28:23 - loss: 0.4510 - acc: 0.8496 - auroc: 0.63 - ETA: 28:13 - loss: 0.45
06 - acc: 0.8499 - auroc: 0.63 - ETA: 28:03 - loss: 0.4507 - acc: 0.8496 - auroc: 0.63 - ETA: 27:5
3 - loss: 0.4503 - acc: 0.8497 - auroc: 0.63 - ETA: 27:43 - loss: 0.4496 - acc: 0.8500 - auroc: 0.
63 - ETA: 27:33 - loss: 0.4499 - acc: 0.8498 - auroc: 0.63 - ETA: 27:23 - loss: 0.4500 - acc: 0.84
97 - auroc: 0.63 - ETA: 27:14 - loss: 0.4502 - acc: 0.8495 - auroc: 0.63 - ETA: 27:04 - loss: 0.45
02 - acc: 0.8494 - auroc: 0.63 - ETA: 26:55 - loss: 0.4502 - acc: 0.8494 - auroc: 0.63 - ETA: 26:4
9 - loss: 0.4502 - acc: 0.8493 - auroc: 0.63 - ETA: 26:43 - loss: 0.4502 - acc: 0.8492 - auroc: 0.
63 - ETA: 26:34 - loss: 0.4495 - acc: 0.8495 - auroc: 0.63 - ETA: 26:26 - loss: 0.4495 - acc: 0.84
95 - auroc: 0.63 - ETA: 26:17 - loss: 0.4495 - acc: 0.8493 - auroc: 0.63 - ETA: 26:09 - loss: 0.44
96 - acc: 0.8494 - auroc: 0.63 - ETA: 26:01 - loss: 0.4496 - acc: 0.8492 - auroc: 0.63 - ETA: 25:5
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0.640837376/69918 [================>...............] - ETA: 23:11 - loss: 0.4498 - acc: 0.8483 - aur
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: 0.4462 - acc: 0.8500 - auroc: 0.63 - ETA: 20:30 - loss: 0.4454 - acc: 0.8504 - auroc: 0.63 - ETA
: 20:24 - loss: 0.4452 - acc: 0.8505 - auroc: 0.63 - ETA: 20:19 - loss: 0.4457 - acc: 0.8502 - aur
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: 0.4462 - acc: 0.8497 - auroc: 0.63 - ETA: 19:51 - loss: 0.4464 - acc: 0.8496 - auroc: 0.63 - ETA
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8493 – auroc: 0.637 – ETA: 8:13 – loss: 0.4446 – acc: 0.8492 – auroc: 0.637 – ETA: 8:10 – loss: 0.4448 – acc: 0.8491 – auroc: 0.637 – ETA: 8:07 – loss: 0.4451 – acc: 0.8489 – auroc: 0.637 – ETA: 8:04 – loss: 0.4449 – acc: 0.8490 – auroc: 0.637 – ETA: 8:01 – loss: 0.4450 – acc: 0.8489 – auroc: 0.637 – ETA: 7:58 – loss: 0.4451 – acc: 0.8488 – auroc: 0.637 – ETA: 7:55 – loss: 0.4449 – acc: 0.8489 – auroc: 0.637 – ETA: 7:52 – loss: 0.4450 – acc: 0.8488 – auroc: 0.637 – ETA: 7:49 – loss: 0.4449 – acc: 0.8489 – auroc: 0.637 – ETA: 7:46 – loss: 0.4449 – acc: 0.8489 – auroc: 0.637 – ETA: 7:43 – loss: 0.4447 – acc: 0.8490 – auroc: 0.637 – ETA: 7:40 – loss: 0.4448 – acc: 0.8489 – auroc: 0.637 – ETA: 7:37 – loss: 0.4447 – acc: 0.8490 – auroc: 0.636 – ETA: 7:34 – loss: 0.4447 – acc: 0.8490 – auroc: 0.637 – ETA: 7:31 – loss: 0.4444 – acc: 0.8491 – auroc: 0.636 – ETA: 7:28 – loss: 0.4443 – acc: 0.8492 – auroc: 0.636 – ETA: 7:25 – loss: 0.4442 – acc: 0.8492 – auroc: 0.636 – ETA: 7:22 – loss: 0.4441 – acc: 0.8493 – auroc: 0.637 – ETA: 7:19 – loss: 0.4440 – acc: 0.8493 – auroc: 0.637 – ETA: 7:17 – loss: 0.4439 – acc: 0.8494 – auroc: 0.637 – ETA: 7:14 – loss: 0.4440 – acc: 0.8493 – auroc: 0.637 – ETA: 7:11 – loss: 0.4440 – acc: 0.8493 – auroc: 0.636 – ETA: 7:08 – loss: 0.4439 – acc: 0.8493 – auroc: 0.636 – ETA: 7:05 – loss: 0.4438 – acc: 0.8494 – auroc: 0.636 – ETA: 7:02 – loss: 0.4439 – acc: 0.8494 – auroc: 0.636 – ETA: 6:59 – loss: 0.4440 – acc: 0.8493 – auroc: 0.636 – ETA: 6:56 – loss: 0.4439 – acc: 0.8493 – auroc: 0.636 – ETA: 6:53 – loss: 0.4437 – acc: 0.8494 – auroc: 0.636 – ETA: 6:50 – loss: 0.4436 – acc: 0.8494 – auroc: 0.636 – ETA: 6:48 – loss: 0.4436 – acc: 0.8494 – auroc: 0.636 – ETA: 6:45 – loss: 0.4438 – acc: 0.8493 – auroc: 0.636 – ETA: 6:42 – loss: 0.4436 – acc: 0.8494 – auroc: 0.636 – ETA: 6:39 – loss: 0.4434 – acc: 0.8495 – auroc: 0.636 – ETA: 6:36 – loss: 0.4434 – acc: 0.8494 – auroc: 0.636 – ETA: 6:33 – loss: 0.4434 – acc: 0.8494 – auroc: 0.636 – ETA: 6:30 – loss: 0.4435 – acc: 0.8494 – auroc: 0.636 – ETA: 6:28 – loss: 0.4436 – acc: 0.8493 – auroc: 0.636 – ETA: 6:25 – loss: 0.4437 – acc: 0.8493 – auroc: 0.636 – ETA: 6:22 – loss: 0.4437 – acc: 0.8492 – auroc: 0.636 – ETA: 6:19 – loss: 0.4437 – acc: 0.8492 – auroc: 0.636 – ETA: 6:16 – loss: 0.4436 – acc: 0.8493 – auroc: 0.636 – ETA: 6:13 – loss: 0.4437 – acc: 0.8492 – auroc: 0.636 – ETA: 6:10 – loss: 0.4437 – acc: 0.8492 – auroc: 0.636 – ETA: 6:08 – loss: 0.4437 – acc: 0.8491 – auroc: 0.636 – ETA: 6:05 – loss: 0.4438 – acc: 0.8490 – auroc: 0.637 – ETA: 6:02 – loss: 0.4438 – acc: 0.8490 – auroc: 0.637 – ETA: 5:59 – loss: 0.4437 – acc: 0.8490 – auroc: 0.637 – ETA: 5:56 – loss: 0.4436 – acc: 0.8491 – auroc: 0.636 – ETA: 5:53 – loss: 0.4435 – acc: 0.8491 – auroc: 0.637 – ETA: 5:51 – loss: 0.4433 – acc: 0.8492 – auroc: 0.637 – ETA: 5:48 – loss: 0.4434 – acc: 0.8492 – auroc: 0.637 – ETA: 5:45 – loss: 0.4433 – acc: 0.8492 – auroc: 0.636 – ETA: 5:42 – loss: 0.4433 – acc: 0.8492 – auroc: 0.637 – ETA: 5:39 – loss: 0.4433 – acc: 0.8492 – auroc: 0.637 – ETA: 5:37 – loss: 0.4434 – acc: 0.8491 – auroc: 0.637 – ETA: 5:34 – loss: 0.4433 – acc: 0.8492 – auroc: 0.636 – ETA: 5:31 – loss: 0.4433 – acc: 0.8492 – auroc: 0.636 – ETA: 5:28 – loss: 0.4432 – acc: 0.8492 – auroc: 0.636 – ETA: 5:25 – loss: 0.4431 – acc: 0.8493 – auroc: 0.636 – ETA: 5:23 – loss: 0.4432 – acc: 0.8492 – auroc: 0.636 – ETA: 5:20 – loss: 0.4431 – acc: 0.8493 – auroc: 0.636 – ETA: 5:17 – loss: 0.4432 – acc: 0.8492 – auroc: 0.636 – ETA: 5:14 – loss: 0.4430 – acc: 0.8493 – auroc: 0.636 – ETA: 5:11 – loss: 0.4431 – acc: 0.8492 – auroc: 0.636 – ETA: 5:09 – loss: 0.4431 – acc: 0.8493 – auroc: 0.636 – ETA: 5:06 – loss: 0.4431 – acc: 0.8492 – auroc: 0.636 – ETA: 5:03 – loss: 0.4430 – acc: 0.8492 – auroc: 0.636 – ETA: 5:01 – loss: 0.4429 – acc: 0.8493 – auroc: 0.636 – ETA: 4:58 – loss: 0.4429 – acc: 0.8493 – auroc: 0.636 – ETA: 4:55 – loss: 0.4429 – acc: 0.8493 – auroc: 0.636 – ETA: 4:52 – loss: 0.4429 – acc: 0.8493 – auroc: 0.636 – ETA: 4:49 – loss: 0.4430 – acc: 0.8492 – auroc: 0.636 – ETA: 4:47 – loss: 0.4429 – acc: 0.8492 – auroc: 0.637169918/69918 [==============================] – ETA: 4:44 – loss: 0.4427 – acc: 0.8493 – auroc: 0.637 – ETA: 4:41 – loss: 0.4426 – acc: 0.8493 – auroc: 0.637 – ETA: 4:38 – loss: 0.4427 – acc: 0.8493 – auroc: 0.637 – ETA: 4:36 – loss: 0.4428 – acc: 0.8492 – auroc: 0.637 – ETA: 4:33 – loss: 0.4427 – acc: 0.8493 – auroc: 0.637 – ETA: 4:30 – loss: 0.4426 – acc: 0.8493 – auroc: 0.637 – ETA: 4:27 – loss: 0.4426 – acc: 0.8493 – auroc: 0.637 – ETA: 4:25 – loss: 0.4423 – acc: 0.8494 – auroc: 0.637 – ETA: 4:22 – loss: 0.4422 – acc: 0.8494 – auroc: 0.637 – ETA: 4:19 – loss: 0.4422 – acc: 0.8495 – auroc: 0.637 – ETA: 4:17 – loss: 0.4421 – acc: 0.8495 – auroc: 0.637 – ETA: 4:14 – loss: 0.4423 – acc: 0.8494 – auroc: 0.637 – ETA: 4:11 – loss: 0.4423 – acc: 0.8493 – auroc: 0.637 – ETA: 4:08 – loss: 0.4424 – acc: 0.8492 – auroc: 0.637 – ETA: 4:06 – loss: 0.4424 – acc: 0.8492 – auroc: 0.637 – ETA: 4:03 – loss: 0.4423 – acc: 0.8493 – auroc: 0.637 – ETA: 4:00 – loss: 0.4424 – acc: 0.8492 – auroc: 0.637 – ETA: 3:57 – loss: 0.4423 – acc: 0.8493 – auroc: 0.637 – ETA: 3:55 – loss: 0.4421 – acc: 0.8494 – auroc: 0.638 – ETA: 3:52 – loss: 0.4419 – acc: 0.8494 – auroc: 0.638 – ETA: 3:49 – loss: 0.4419 – acc: 0.8495 – auroc: 0.638 – ETA: 3:47 – loss: 0.4419 – acc: 0.8494 – auroc: 0.638 – ETA: 3:44 – loss: 0.4421 – acc: 0.8494 – auroc: 0.638 – ETA: 3:41 – loss: 0.4421 – acc: 0.8493 – auroc: 0.638 – ETA: 3:38 – loss: 0.4420 – acc: 0.8494 – auroc: 0.638 – ETA: 3:36 – loss: 0.4420 – acc: 0.8494 – auroc: 0.638 – ETA: 3:33 – loss: 0.4420 – acc: 0.8493 – auroc: 0.638 – ETA: 3:30 – loss: 0.4423 – acc: 0.8492 – auroc: 0.638 – ETA: 3:28 – loss: 0.4424 – acc: 0.8491 – auroc: 0.638 – ETA: 3:25 – loss: 0.4424 – acc: 0.8491 – auroc: 0.638 – ETA: 3:22 – loss: 0.4424 – acc: 0.8491 – auroc: 0.638 – ETA: 3:20 – loss: 0.4424 – acc: 0.8491 – auroc: 0.638 – ETA: 3:17 – loss: 0.4425 – acc: 0.8490 – auroc: 0.638 – ETA: 3:14 – loss: 0.4426 – acc: 0.8489 – auroc: 0.638 – ETA: 3:12 – loss: 0.4426 – acc: 0.8489 – auroc: 0.638 – ETA: 3:09 – loss: 0.4425 – acc: 0.8490 – auroc: 0.638 – ETA: 3:06 – loss: 0.4424 – acc: 0.8490 – auroc: 0.638 – ETA: 3:03 – loss: 0.4422 – acc: 0.8491 – auroc: 0.639 – ETA: 3:01 – loss: 0.4424 – acc: 0.8490 – auroc: 0.639 – ETA: 2:58 – loss: 0.4423 – acc: 0.8491 – auroc: 0.639 – ETA: 2:55 – loss: 0.4424 – acc: 0.8490 – auroc: 0.639 – ETA: 2:53 – loss: 0.4422 – acc: 0.8491 – auroc: 0.639 – ETA: 2:50 – loss: 0.4422 – acc: 0.8490 – auroc: 0.639 – ETA: 2:47 – loss: 0.4423 – acc: 0.8490 – auroc: 0.639 – ETA: 2:45 – loss: 0.4423 – acc: 0.8490 – auroc: 0.639 – ETA: 2:42 – loss: 0.4423 – acc: 0.8490 – auroc: 0.639 – ETA: 2:39 – loss: 0.4423 – acc: 0.8490 – auroc: 0.639 – ETA: 2:37 – loss: 0.4422 – acc: 0.8490 – auroc: 0.639 – ETA: 2:34 – loss: 0.4421 – acc: 0.8490 – auroc: 0.639 – ETA: 2:32 – loss: 0.4419 – acc: 0.8491 – auroc: 0.639 – ETA: 2:29 – loss: 0.4417 – acc: 0.8492 – auroc: 0.640 – ETA: 2:26 – loss: 0.4417 – acc: 0.8492 – auroc: 0.640 – ETA: 2:24 – loss: 0.4418 – acc: 0.8492 – auroc: 0.640 – ETA: 2:21 – loss: 0.4418 – acc: 0.8492 – auroc: 0.640 – ETA: 2:18 – loss: 0.4417 – acc: 0.8492 – auroc: 0.640 – ETA: 2:16 – loss: 0.4417 – acc: 0.8492 – auroc: 0.640 – ETA: 2:13 – loss: 0.4418 – acc: 0.8491 – auroc: 0.640 – ETA: 2:10 – loss: 0.4416 – acc: 0.8492 – auroc: 0.640 – ETA: 2:08 – loss: 0.4416 – acc: 0.8492 – auroc: 0.640 – ETA: 2:05 – loss: 0.4417 – acc: 0.8491 – auroc: 0.640 – ETA: 2:02 – loss: 0.4415 – acc: 0.8492 – auroc: 0.641 – ETA: 2:00 – loss: 0.4416 – acc: 0.8492 – auroc: 0.640 – ETA: 1:

```
4415 - acc: 0.8492 - auroc: 0.641 - ETA: 2:00 - loss: 0.4416 - acc: 0.8492 - auroc: 0.640 - ETA: 1
:57 - loss: 0.4417 - acc: 0.8491 - auroc: 0.640 - ETA: 1:55 - loss: 0.4418 - acc: 0.8490 - auroc:
0.640 - ETA: 1:52 - loss: 0.4418 - acc: 0.8490 - auroc: 0.640 - ETA: 1:49 - loss: 0.4419 - acc: 0.
8489 - auroc: 0.641 - ETA: 1:47 - loss: 0.4419 - acc: 0.8489 - auroc: 0.641 - ETA: 1:44 - loss: 0.
4419 - acc: 0.8489 - auroc: 0.641 - ETA: 1:41 - loss: 0.4418 - acc: 0.8489 - auroc: 0.641 - ETA: 1
:39 - loss: 0.4419 - acc: 0.8489 - auroc: 0.641 - ETA: 1:36 - loss: 0.4419 - acc: 0.8488 - auroc:
0.641 - ETA: 1:33 - loss: 0.4421 - acc: 0.8487 - auroc: 0.641 - ETA: 1:31 - loss: 0.4420 - acc: 0.
8488 - auroc: 0.641 - ETA: 1:28 - loss: 0.4420 - acc: 0.8488 - auroc: 0.641 - ETA: 1:26 - loss: 0.
4418 - acc: 0.8489 - auroc: 0.641 - ETA: 1:23 - loss: 0.4416 - acc: 0.8489 - auroc: 0.641 - ETA: 1
:20 - loss: 0.4414 - acc: 0.8490 - auroc: 0.642 - ETA: 1:18 - loss: 0.4415 - acc: 0.8489 - auroc:
0.642 - ETA: 1:15 - loss: 0.4417 - acc: 0.8489 - auroc: 0.642 - ETA: 1:13 - loss: 0.4418 - acc: 0.
8488 - auroc: 0.642 - ETA: 1:10 - loss: 0.4417 - acc: 0.8488 - auroc: 0.642 - ETA: 1:07 - loss: 0.
4419 - acc: 0.8487 - auroc: 0.642 - ETA: 1:05 - loss: 0.4420 - acc: 0.8486 - auroc: 0.642 - ETA: 1
:02 - loss: 0.4420 - acc: 0.8487 - auroc: 0.642 - ETA: 1:00 - loss: 0.4419 - acc: 0.8488 - auroc:
0.642 - ETA: 57s - loss: 0.4418 - acc: 0.8488 - auroc: 0.642 - ETA: 54s - loss: 0.4418 - acc: 0.84
88 - auroc: 0.64 - ETA: 52s - loss: 0.4417 - acc: 0.8489 - auroc: 0.64 - ETA: 49s - loss: 0.4418 -
acc: 0.8488 - auroc: 0.64 - ETA: 47s - loss: 0.4418 - acc: 0.8488 - auroc: 0.64 - ETA: 44s - loss:
0.4419 - acc: 0.8487 - auroc: 0.64 - ETA: 41s - loss: 0.4420 - acc: 0.8486 - auroc: 0.64 - ETA: 39
s - loss: 0.4421 - acc: 0.8486 - auroc: 0.64 - ETA: 36s - loss: 0.4422 - acc: 0.8485 - auroc: 0.64
- ETA: 34s - loss: 0.4422 - acc: 0.8485 - auroc: 0.64 - ETA: 31s - loss: 0.4421 - acc: 0.8486 - au
roc: 0.64 - ETA: 28s - loss: 0.4419 - acc: 0.8487 - auroc: 0.64 - ETA: 26s - loss: 0.4418 - acc: 0
.8488 - auroc: 0.64 - ETA: 23s - loss: 0.4419 - acc: 0.8487 - auroc: 0.64 - ETA: 21s - loss: 0.441
9 - acc: 0.8487 - auroc: 0.64 - ETA: 18s - loss: 0.4419 - acc: 0.8487 - auroc: 0.64 - ETA: 16s - l
oss: 0.4420 - acc: 0.8486 - auroc: 0.64 - ETA: 13s - loss: 0.4419 - acc: 0.8486 - auroc: 0.64 - ET
A: 10s - loss: 0.4421 - acc: 0.8485 - auroc: 0.64 - ETA: 8s - loss: 0.4422 - acc: 0.8485 - auroc:
0.6433 - ETA: 5s - loss: 0.4422 - acc: 0.8484 - auroc: 0.643 - ETA: 3s - loss: 0.4420 - acc: 0.848
6 - auroc: 0.643 - ETA: 0s - loss: 0.4420 - acc: 0.8486 - auroc: 0.643 - 1488s 21ms/step - loss: 0
.4419 - acc: 0.8486 - auroc: 0.6433 - val_loss: 0.4292 - val_acc: 0.8486 - val_auroc: 0.6707
Epoch 4/15
18688/69918 [=======>......................] - ETA: 19:43 - loss: 0.4382 - acc: 0.8438 - auroc: 0.
67 - ETA: 20:31 - loss: 0.4440 - acc: 0.8398 - auroc: 0.67 - ETA: 20:28 - loss: 0.4445 - acc: 0.84
11 - auroc: 0.66 - ETA: 20:28 - loss: 0.4489 - acc: 0.8457 - auroc: 0.61 - ETA: 20:22 - loss: 0.44
67 - acc: 0.8422 - auroc: 0.64 - ETA: 20:20 - loss: 0.4365 - acc: 0.8477 - auroc: 0.65 - ETA: 20:1
7 - loss: 0.4396 - acc: 0.8449 - auroc: 0.65 - ETA: 20:13 - loss: 0.4361 - acc: 0.8457 - auroc: 0.
66 - ETA: 20:10 - loss: 0.4371 - acc: 0.8446 - auroc: 0.66 - ETA: 20:12 - loss: 0.4344 - acc: 0.84
53 - auroc: 0.67 - ETA: 20:08 - loss: 0.4321 - acc: 0.8473 - auroc: 0.67 - ETA: 20:06 - loss: 0.42
56 - acc: 0.8509 - auroc: 0.67 - ETA: 20:04 - loss: 0.4298 - acc: 0.8486 - auroc: 0.67 - ETA: 20:0
2 - loss: 0.4310 - acc: 0.8488 - auroc: 0.66 - ETA: 20:00 - loss: 0.4336 - acc: 0.8469 - auroc: 0.
67 - ETA: 19:57 - loss: 0.4309 - acc: 0.8486 - auroc: 0.67 - ETA: 19:54 - loss: 0.4304 - acc: 0.84
88 - auroc: 0.67 - ETA: 19:52 - loss: 0.4267 - acc: 0.8503 - auroc: 0.67 - ETA: 19:50 - loss: 0.42
76 - acc: 0.8507 - auroc: 0.67 - ETA: 19:48 - loss: 0.4324 - acc: 0.8473 - auroc: 0.67 - ETA: 19:4
6 - loss: 0.4345 - acc: 0.8460 - auroc: 0.67 - ETA: 19:42 - loss: 0.4355 - acc: 0.8455 - auroc: 0.
67 - ETA: 19:39 - loss: 0.4372 - acc: 0.8448 - auroc: 0.66 - ETA: 19:37 - loss: 0.4367 - acc: 0.84
51 - auroc: 0.66 - ETA: 19:34 - loss: 0.4340 - acc: 0.8469 - auroc: 0.67 - ETA: 19:32 - loss: 0.43
11 - acc: 0.8486 - auroc: 0.67 - ETA: 19:29 - loss: 0.4319 - acc: 0.8478 - auroc: 0.67 - ETA: 19:2
7 - loss: 0.4323 - acc: 0.8482 - auroc: 0.66 - ETA: 19:25 - loss: 0.4289 - acc: 0.8505 - auroc: 0.
66 - ETA: 19:22 - loss: 0.4294 - acc: 0.8500 - auroc: 0.66 - ETA: 19:19 - loss: 0.4284 - acc: 0.85
08 - auroc: 0.66 - ETA: 19:18 - loss: 0.4268 - acc: 0.8516 - auroc: 0.66 - ETA: 19:15 - loss: 0.42
59 - acc: 0.8520 - auroc: 0.66 - ETA: 19:13 - loss: 0.4249 - acc: 0.8525 - auroc: 0.66 - ETA: 19:1
1 - loss: 0.4273 - acc: 0.8518 - auroc: 0.66 - ETA: 19:09 - loss: 0.4282 - acc: 0.8516 - auroc: 0.
66 - ETA: 19:06 - loss: 0.4316 - acc: 0.8492 - auroc: 0.66 - ETA: 19:03 - loss: 0.4336 - acc: 0.84
79 - auroc: 0.66 - ETA: 19:01 - loss: 0.4339 - acc: 0.8474 - auroc: 0.66 - ETA: 18:59 - loss: 0.43
35 - acc: 0.8482 - auroc: 0.66 - ETA: 18:56 - loss: 0.4344 - acc: 0.8478 - auroc: 0.66 - ETA: 18:5
4 - loss: 0.4357 - acc: 0.8467 - auroc: 0.66 - ETA: 18:51 - loss: 0.4364 - acc: 0.8465 - auroc: 0.
66 - ETA: 18:49 - loss: 0.4366 - acc: 0.8464 - auroc: 0.66 - ETA: 18:47 - loss: 0.4358 - acc: 0.84
70 - auroc: 0.65 - ETA: 18:45 - loss: 0.4369 - acc: 0.8463 - auroc: 0.66 - ETA: 18:43 - loss: 0.43
63 - acc: 0.8469 - auroc: 0.65 - ETA: 18:41 - loss: 0.4349 - acc: 0.8478 - auroc: 0.66 - ETA: 18:3
8 - loss: 0.4343 - acc: 0.8482 - auroc: 0.65 - ETA: 18:36 - loss: 0.4346 - acc: 0.8483 - auroc: 0.
65 - ETA: 18:33 - loss: 0.4334 - acc: 0.8491 - auroc: 0.65 - ETA: 18:31 - loss: 0.4342 - acc: 0.84
87 - auroc: 0.65 - ETA: 18:29 - loss: 0.4368 - acc: 0.8477 - auroc: 0.65 - ETA: 18:27 - loss: 0.43
79 - acc: 0.8472 - auroc: 0.65 - ETA: 18:24 - loss: 0.4373 - acc: 0.8474 - auroc: 0.65 - ETA: 18:2
2 - loss: 0.4367 - acc: 0.8478 - auroc: 0.65 - ETA: 18:20 - loss: 0.4378 - acc: 0.8472 - auroc: 0.
65 - ETA: 18:18 - loss: 0.4388 - acc: 0.8466 - auroc: 0.65 - ETA: 18:16 - loss: 0.4382 - acc: 0.84
71 - auroc: 0.65 - ETA: 18:14 - loss: 0.4383 - acc: 0.8470 - auroc: 0.65 - ETA: 18:11 - loss: 0.43
99 - acc: 0.8458 - auroc: 0.65 - ETA: 18:09 - loss: 0.4389 - acc: 0.8465 - auroc: 0.65 - ETA: 18:0
7 - loss: 0.4390 - acc: 0.8465 - auroc: 0.65 - ETA: 18:04 - loss: 0.4382 - acc: 0.8470 - auroc: 0.
65 - ETA: 18:02 - loss: 0.4387 - acc: 0.8465 - auroc: 0.65 - ETA: 18:00 - loss: 0.4406 - acc: 0.84
54 - auroc: 0.65 - ETA: 17:58 - loss: 0.4394 - acc: 0.8461 - auroc: 0.65 - ETA: 17:55 - loss: 0.43
85 - acc: 0.8465 - auroc: 0.65 - ETA: 17:53 - loss: 0.4386 - acc: 0.8464 - auroc: 0.65 - ETA: 17:5
1 - loss: 0.4377 - acc: 0.8469 - auroc: 0.65 - ETA: 17:49 - loss: 0.4366 - acc: 0.8473 - auroc: 0.
65 - ETA: 17:46 - loss: 0.4364 - acc: 0.8474 - auroc: 0.65 - ETA: 17:44 - loss: 0.4368 - acc: 0.84
71 - auroc: 0.65 - ETA: 17:42 - loss: 0.4362 - acc: 0.8473 - auroc: 0.65 - ETA: 17:40 - loss: 0.43
55 - acc: 0.8476 - auroc: 0.65 - ETA: 17:37 - loss: 0.4349 - acc: 0.8480 - auroc: 0.65 - ETA: 17:3
5 - loss: 0.4353 - acc: 0.8475 - auroc: 0.65 - ETA: 17:33 - loss: 0.4352 - acc: 0.8473 - auroc: 0.
66 - ETA: 17:31 - loss: 0.4353 - acc: 0.8470 - auroc: 0.66 - ETA: 17:29 - loss: 0.4351 - acc: 0.84
70 - auroc: 0.66 - ETA: 17:26 - loss: 0.4343 - acc: 0.8472 - auroc: 0.66 - ETA: 17:24 - loss: 0.43
45 - acc: 0.8473 - auroc: 0.66 - ETA: 17:22 - loss: 0.4344 - acc: 0.8471 - auroc: 0.66 - ETA: 17:2
```

0 - loss: 0.4350 - acc: 0.8469 - auroc: 0.66 - ETA: 17:17 - loss: 0.4350 - acc: 0.8467 - auroc: 0.
66 - ETA: 17:15 - loss: 0.4357 - acc: 0.8461 - auroc: 0.66 - ETA: 17:13 - loss: 0.4355 - acc: 0.84
64 - auroc: 0.66 - ETA: 17:10 - loss: 0.4351 - acc: 0.8464 - auroc: 0.66 - ETA: 17:08 - loss: 0.43
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0.658037376/69918 [================>..............] - ETA: 14:58 - loss: 0.4308 - acc: 0.8510 - aur
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: 0.4321 - acc: 0.8508 - auroc: 0.65 - ETA: 14:00 - loss: 0.4325 - acc: 0.8506 - auroc: 0.65 - ETA
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: 0.8503 - auroc: 0.65 - ETA: 12:31 - loss: 0.4332 - acc: 0.8504 - auroc: 0.64 - ETA: 12:28 - loss
: 0.4330 - acc: 0.8504 - auroc: 0.64 - ETA: 12:26 - loss: 0.4331 - acc: 0.8504 - auroc: 0.64 - ETA
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8489 - auroc: 0.648 - ETA: 7:19 - loss: 0.4345 - acc: 0.8488 - auroc: 0.648 - ETA: 7:16 - loss: 0.4347 - acc: 0.8486 - auroc: 0.648 - ETA: 7:14 - loss: 0.4345 - acc: 0.8488 - auroc: 0.648 - ETA: 7:12 - loss: 0.4343 - acc: 0.8490 - auroc: 0.648 - ETA: 7:10 - loss: 0.4343 - acc: 0.8490 - auroc: 0.648 - ETA: 7:07 - loss: 0.4344 - acc: 0.8489 - auroc: 0.647 - ETA: 7:05 - loss: 0.4344 - acc: 0.8489 - auroc: 0.647 - ETA: 7:03 - loss: 0.4345 - acc: 0.8488 - auroc: 0.647 - ETA: 7:01 - loss: 0.4346 - acc: 0.8488 - auroc: 0.647 - ETA: 6:58 - loss: 0.4344 - acc: 0.8489 - auroc: 0.647 - ETA: 6:56 - loss: 0.4348 - acc: 0.8488 - auroc: 0.647 - ETA: 6:54 - loss: 0.4345 - acc: 0.8489 - auroc: 0.647 - ETA: 6:52 - loss: 0.4345 - acc: 0.8489 - auroc: 0.647 - ETA: 6:49 - loss: 0.4346 - acc: 0.8489 - auroc: 0.647 - ETA: 6:47 - loss: 0.4344 - acc: 0.8489 - auroc: 0.648 - ETA: 6:45 - loss: 0.4344 - acc: 0.8489 - auroc: 0.648 - ETA: 6:43 - loss: 0.4346 - acc: 0.8488 - auroc: 0.648 - ETA: 6:40 - loss: 0.4343 - acc: 0.8490 - auroc: 0.648 - ETA: 6:38 - loss: 0.4343 - acc: 0.8490 - auroc: 0.648 - ETA: 6:36 - loss: 0.4347 - acc: 0.8488 - auroc: 0.648 - ETA: 6:34 - loss: 0.4345 - acc: 0.8489 - auroc: 0.648 - ETA: 6:31 - loss: 0.4345 - acc: 0.8488 - auroc: 0.648 - ETA: 6:29 - loss: 0.4346 - acc: 0.8488 - auroc: 0.648 - ETA: 6:27 - loss: 0.4344 - acc: 0.8489 - auroc: 0.648 - ETA: 6:25 - loss: 0.4342 - acc: 0.8491 - auroc: 0.648 - ETA: 6:22 - loss: 0.4340 - acc: 0.8492 - auroc: 0.648 - ETA: 6:20 - loss: 0.4340 - acc: 0.8492 - auroc: 0.648 - ETA: 6:18 - loss: 0.4338 - acc: 0.8493 - auroc: 0.648 - ETA: 6:16 - loss: 0.4338 - acc: 0.8493 - auroc: 0.648 - ETA: 6:13 - loss: 0.4335 - acc: 0.8494 - auroc: 0.648 - ETA: 6:11 - loss: 0.4336 - acc: 0.8494 - auroc: 0.648 - ETA: 6:09 - loss: 0.4335 - acc: 0.8495 - auroc: 0.648 - ETA: 6:06 - loss: 0.4334 - acc: 0.8495 - auroc: 0.648 - ETA: 6:04 - loss: 0.4336 - acc: 0.8495 - auroc: 0.648 - ETA: 6:02 - loss: 0.4337 - acc: 0.8494 - auroc: 0.648 - ETA: 6:00 - loss: 0.4336 - acc: 0.8494 - auroc: 0.648 - ETA: 5:57 - loss: 0.4336 - acc: 0.8494 - auroc: 0.648 - ETA: 5:55 - loss: 0.4336 - acc: 0.8494 - auroc: 0.648 - ETA: 5:53 - loss: 0.4336 - acc: 0.8494 - auroc: 0.649 - ETA: 5:51 - loss: 0.4337 - acc: 0.8493 - auroc: 0.649 - ETA: 5:48 - loss: 0.4336 - acc: 0.8494 - auroc: 0.649 - ETA: 5:46 - loss: 0.4336 - acc: 0.8494 - auroc: 0.649 - ETA: 5:44 - loss: 0.4335 - acc: 0.8494 - auroc: 0.649 - ETA: 5:42 - loss: 0.4334 - acc: 0.8495 - auroc: 0.649 - ETA: 5:39 - loss: 0.4331 - acc: 0.8497 - auroc: 0.649 - ETA: 5:37 - loss: 0.4332 - acc: 0.8496 - auroc: 0.650 - ETA: 5:35 - loss: 0.4331 - acc: 0.8496 - auroc: 0.650 - ETA: 5:33 - loss: 0.4331 - acc: 0.8496 - auroc: 0.650 - ETA: 5:30 - loss: 0.4330 - acc: 0.8496 - auroc: 0.650 - ETA: 5:28 - loss: 0.4331 - acc: 0.8496 - auroc: 0.650 - ETA: 5:26 - loss: 0.4334 - acc: 0.8494 - auroc: 0.650 - ETA: 5:23 - loss: 0.4334 - acc: 0.8494 - auroc: 0.650 - ETA: 5:21 - loss: 0.4335 - acc: 0.8493 - auroc: 0.650 - ETA: 5:19 - loss: 0.4337 - acc: 0.8492 - auroc: 0.650 - ETA: 5:17 - loss: 0.4336 - acc: 0.8493 - auroc: 0.650 - ETA: 5:14 - loss: 0.4334 - acc: 0.8495 - auroc: 0.650 - ETA: 5:12 - loss: 0.4332 - acc: 0.8496 - auroc: 0.650 - ETA: 5:10 - loss: 0.4333 - acc: 0.8496 - auroc: 0.650 - ETA: 5:08 - loss: 0.4332 - acc: 0.8496 - auroc: 0.650 - ETA: 5:05 - loss: 0.4333 - acc: 0.8496 - auroc: 0.650 - ETA: 5:03 - loss: 0.4331 - acc: 0.8497 - auroc: 0.650 - ETA: 5:01 - loss: 0.4332 - acc: 0.8497 - auroc: 0.650 - ETA: 4:59 - loss: 0.4337 - acc: 0.8494 - auroc: 0.650 - ETA: 4:56 - loss: 0.4337 - acc: 0.8494 - auroc: 0.650 - ETA: 4:54 - loss: 0.4339 - acc: 0.8493 - auroc: 0.650 - ETA: 4:52 - loss: 0.4339 - acc: 0.8493 - auroc: 0.650 - ETA: 4:50 - loss: 0.4339 - acc: 0.8493 - auroc: 0.650 - ETA: 4:47 - loss: 0.4340 - acc: 0.8493 - auroc: 0.650 - ETA: 4:45 - loss: 0.4338 - acc: 0.8494 - auroc: 0.650 - ETA: 4:43 - loss: 0.4337 - acc: 0.8495 - auroc: 0.650 - ETA: 4:40 - loss: 0.4338 - acc: 0.8494 - auroc: 0.649 - ETA: 4:38 - loss: 0.4337 - acc: 0.8495 - auroc: 0.650 - ETA: 4:36 - loss: 0.4335 - acc: 0.8496 - auroc: 0.650 - ETA: 4:34 - loss: 0.4336 - acc: 0.8495 - auroc: 0.649 - ETA: 4:31 - loss: 0.4336 - acc: 0.8495 - auroc: 0.650 - ETA: 4:29 - loss: 0.4335 - acc: 0.8495 - auroc: 0.650 - ETA: 4:27 - loss: 0.4337 - acc: 0.8494 - auroc: 0.650 - ETA: 4:25 - loss: 0.4336 - acc: 0.8494 - auroc: 0.650 - ETA: 4:22 - loss: 0.4335 - acc: 0.8495 - auroc: 0.650 - ETA: 4:20 - loss: 0.4333 - acc: 0.8496 - auroc: 0.650 - ETA: 4:18 - loss: 0.4334 - acc: 0.8495 - auroc: 0.650 - ETA: 4:16 - loss: 0.4334 - acc: 0.8495 - auroc: 0.650 - ETA: 4:13 - loss: 0.4335 - acc: 0.8494 - auroc: 0.650 - ETA: 4:11 - loss: 0.4336 - acc: 0.8494 - auroc: 0.650 - ETA: 4:09 - loss: 0.4336 - acc: 0.8494 - auroc: 0.650 - ETA: 4:07 - loss: 0.4334 - acc: 0.8495 - auroc: 0.650 - ETA: 4:04 - loss: 0.4333 - acc: 0.8495 - auroc: 0.650769918/69918 [==============================] - ETA: 4:02 - loss: 0.4333 - acc: 0.8495 - auroc: 0.650 - ETA: 4:00 - loss: 0.4335 - acc: 0.8494 - auroc: 0.650 - ETA: 3:57 - loss: 0.4335 - acc: 0.8494 - auroc: 0.650 - ETA: 3:55 - loss: 0.4335 - acc: 0.8494 - auroc: 0.650 - ETA: 3:53 - loss: 0.4335 - acc: 0.8494 - auroc: 0.650 - ETA: 3:51 - loss: 0.4335 - acc: 0.8494 - auroc: 0.650 - ETA: 3:48 - loss: 0.4336 - acc: 0.8493 - auroc: 0.650 - ETA: 3:46 - loss: 0.4335 - acc: 0.8494 - auroc: 0.650 - ETA: 3:44 - loss: 0.4337 - acc: 0.8492 - auroc: 0.650 - ETA: 3:42 - loss: 0.4338 - acc: 0.8492 - auroc: 0.650 - ETA: 3:39 - loss: 0.4336 - acc: 0.8492 - auroc: 0.651 - ETA: 3:37 - loss: 0.4337 - acc: 0.8492 - auroc: 0.650 - ETA: 3:35 - loss: 0.4337 - acc: 0.8492 - auroc: 0.650 - ETA: 3:33 - loss: 0.4338 - acc: 0.8492 - auroc: 0.650 - ETA: 3:30 - loss: 0.4337 - acc: 0.8492 - auroc: 0.650 - ETA: 3:28 - loss: 0.4337 - acc: 0.8492 - auroc: 0.650 - ETA: 3:26 - loss: 0.4338 - acc: 0.8491 - auroc: 0.650 - ETA: 3:24 - loss: 0.4337 - acc: 0.8492 - auroc: 0.650 - ETA: 3:21 - loss: 0.4336 - acc: 0.8493 - auroc: 0.650 - ETA: 3:19 - loss: 0.4335 - acc: 0.8493 - auroc: 0.650 - ETA: 3:17 - loss: 0.4335 - acc: 0.8493 - auroc: 0.650 - ETA: 3:14 - loss: 0.4335 - acc: 0.8493 - auroc: 0.650 - ETA: 3:12 - loss: 0.4333 - acc: 0.8494 - auroc: 0.650 - ETA: 3:10 - loss: 0.4333 - acc: 0.8494 - auroc: 0.650 - ETA: 3:08 - loss: 0.4332 - acc: 0.8494 - auroc: 0.650 - ETA: 3:05 - loss: 0.4334 - acc: 0.8493 - auroc: 0.650 - ETA: 3:03 - loss: 0.4337 - acc: 0.8491 - auroc: 0.650 - ETA: 3:01 - loss: 0.4337 - acc: 0.8491 - auroc: 0.650 - ETA: 2:59 - loss: 0.4338 - acc: 0.8490 - auroc: 0.650 - ETA: 2:56 - loss: 0.4336 - acc: 0.8492 - auroc: 0.651 - ETA: 2:54 - loss: 0.4336 - acc: 0.8491 - auroc: 0.650 - ETA: 2:52 - loss: 0.4336 - acc: 0.8491 - auroc: 0.651 - ETA: 2:50 - loss: 0.4336 - acc: 0.8491 - auroc: 0.651 - ETA: 2:47 - loss: 0.4337 - acc: 0.8491 - auroc: 0.651 - ETA: 2:45 - loss: 0.4340 - acc: 0.8489 - auroc: 0.651 - ETA: 2:43 - loss: 0.4339 - acc: 0.8489 - auroc: 0.651 - ETA: 2:41 - loss: 0.4337 - acc: 0.8490 - auroc: 0.651 - ETA: 2:38 - loss: 0.4335 - acc: 0.8491 - 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4332 - acc: 0.8491 - auroc: 0.652 - ETA: 2:16 - loss: 0.4335 - acc: 0.8490 - auroc: 0.652 - ETA: 2:13 - loss: 0.4334 - acc: 0.8490 - auroc: 0.652 - ETA: 2:11 - loss: 0.4334 - acc: 0.8490 - auroc: 0.652 - ETA: 2:09 - loss: 0.4335 - acc: 0.8490 - auroc: 0.652 - ETA: 2:07 - loss: 0.4334 - acc: 0.8491 - auroc: 0.652 - ETA: 2:04 - loss: 0.4334 - acc: 0.8491 - auroc: 0.652 - ETA: 2:02 - loss: 0.4333 - acc: 0.8491 - auroc: 0.652 - ETA: 2:00 - loss: 0.4334 - acc: 0.8491 - auroc: 0.652 - ETA: 1:58 - loss: 0.4335 - acc: 0.8490 - auroc: 0.652 - ETA: 1:55 - loss: 0.4336 - acc: 0.8489 - auroc: 0.652 - ETA: 1:53 - loss: 0.4335 - acc: 0.8489 - auroc: 0.652 - ETA: 1:51 - loss: 0.4336 - acc: 0.8489 - auroc: 0.652 - ETA: 1:49 - loss: 0.4334 - acc: 0.8490 - auroc: 0.652 - ETA: 1:46 - loss: 0.4335 - acc: 0.8490 - auroc: 0.652 - ETA: 1:44 - loss: 0.4333 - acc: 0.8491 - auroc: 0.652 - ETA: 1:42 - loss: 0.4334 - acc: 0.8490 - auroc: 0.652 - ETA: 1:39 - loss: 0.4333 - acc: 0.8490 - auroc: 0.652 - ETA: 1:37 - loss: 0.4334 - acc: 0.8490 - auroc: 0.652 - ETA: 1:35 - loss: 0.4335 - acc: 0.8489 - auroc: 0.652 - ETA: 1:33 - loss: 0.4333 - acc: 0.8490 - auroc: 0.652 - ETA: 1:30 - loss: 0.4334 - acc: 0.8490 - auroc: 0.652 - ETA: 1:28 - loss: 0.4336 - acc: 0.8488 - auroc: 0.652 - ETA: 1:26 - loss: 0.4338 - acc: 0.8487 - auroc: 0.652 - ETA: 1:24 - loss: 0.4338 - acc: 0.8487 - auroc: 0.652 - ETA: 1:21 - loss: 0.4338 - acc: 0.8487 - auroc: 0.652 - ETA: 1:19 - loss: 0.4338 - acc: 0.8487 - auroc: 0.652 - ETA: 1:17 - loss: 0.4338 - acc: 0.8487 - auroc: 0.652 - ETA: 1:15 - loss: 0.4338 - acc: 0.8487 - auroc: 0.652 - ETA: 1:12 - loss: 0.4338 - acc: 0.8488 - auroc: 0.652 - ETA: 1:10 - loss: 0.4337 - acc: 0.8488 - auroc: 0.652 - ETA: 1:08 - loss: 0.4338 - acc: 0.8488 - auroc: 0.652 - ETA: 1:06 - loss: 0.4338 - acc: 0.8487 - auroc: 0.652 - ETA: 1:03 - loss: 0.4338 - acc: 0.8488 - auroc: 0.652 - ETA: 1:01 - loss: 0.4339 - acc: 0.8487 - auroc: 0.652 - ETA: 59s - loss: 0.4343 - acc: 0.8485 - auroc: 0.652 - ETA: 57s - loss: 0.4343 - acc: 0.8485 - auroc: 0.65 - ETA: 54s - loss: 0.4341 - acc: 0.8486 - auroc: 0.65 - ETA: 52s - loss: 0.4342 - acc: 0.8486 - auroc: 0.65 - ETA: 50s - loss: 0.4342 - acc: 0.8486 - auroc: 0.65 - ETA: 47s - loss: 0.4341 - acc: 0.8487 - auroc: 0.65 - ETA: 45s - loss: 0.4340 - acc: 0.8487 - auroc: 0.65 - ETA: 43s - loss: 0.4340 - acc: 0.8488 - auroc: 0.65 - ETA: 41s - loss: 0.4340 - acc: 0.8488 - auroc: 0.65 - ETA: 38s - loss: 0.4340 - acc: 0.8488 - auroc: 0.65 - ETA: 36s - loss: 0.4339 - acc: 0.8488 - auroc: 0.65 - ETA: 34s - loss: 0.4340 - acc: 0.8488 - auroc: 0.65 - ETA: 32s - loss: 0.4342 - acc: 0.8487 - auroc: 0.65 - ETA: 29s - loss: 0.4340 - acc: 0.8487 - auroc: 0.65 - ETA: 27s - loss: 0.4340 - acc: 0.8488 - auroc: 0.65 - ETA: 25s - loss: 0.4340 - acc: 0.8488 - auroc: 0.65 - ETA: 23s - loss: 0.4340 - acc: 0.8488 - auroc: 0.65 - ETA: 20s - loss: 0.4342 - acc: 0.8487 - auroc: 0.65 - ETA: 18s - loss: 0.4343 - acc: 0.8486 - auroc: 0.65 - ETA: 16s - loss: 0.4344 - acc: 0.8486 - auroc: 0.65 - ETA: 14s - loss: 0.4344 - acc: 0.8486 - auroc: 0.65 - ETA: 11s - loss: 0.4343 - acc: 0.8486 - auroc: 0.65 - ETA: 9s - loss: 0.4342 - acc: 0.8486 - auroc: 0.6519 - ETA: 7s - loss: 0.4344 - acc: 0.8485 - auroc: 0.652 - ETA: 5s - loss: 0.4343 - acc: 0.8485 - auroc: 0.652 - ETA: 2s - loss: 0.4343 - acc: 0.8486 - auroc: 0.652 - ETA: 0s - loss: 0.4343 - acc: 0.8486 - auroc: 0.652 - 1316s 19ms/step - loss: 0.4342 - acc: 0.8486 - auroc: 0.6520 - val_loss: 0.4245 - val_acc: 0.8486 - val_auroc: 0.6688
Epoch 5/15
18688/69918 [=======>......................] - ETA: 19:35 - loss: 0.3765 - acc: 0.8828 - auroc: 0.60 - ETA: 19:48 - loss: 0.3670 - acc: 0.8867 - auroc: 0.61 - ETA: 19:54 - loss: 0.3877 - acc: 0.8750 - auroc: 0.61 - ETA: 19:55 - loss: 0.3887 - acc: 0.8750 - auroc: 0.61 - ETA: 19:59 - loss: 0.4063 - acc: 0.8656 - auroc: 0.62 - ETA: 20:06 - loss: 0.4038 - acc: 0.8672 - auroc: 0.62 - ETA: 20:04 - loss: 0.4089 - acc: 0.8650 - auroc: 0.62 - ETA: 20:01 - loss: 0.4128 - acc: 0.8613 - auroc: 0.64 - ETA: 19:59 - loss: 0.4195 - acc: 0.8568 - auroc: 0.64 - ETA: 19:56 - loss: 0.4146 - acc: 0.8594 - auroc: 0.65 - ETA: 19:53 - loss: 0.4212 - acc: 0.8565 - auroc: 0.64 - ETA: 19:52 - loss: 0.4205 - acc: 0.8574 - auroc: 0.63 - ETA: 19:50 - loss: 0.4174 - acc: 0.8600 - auroc: 0.62 - ETA: 19:47 - loss: 0.4224 - acc: 0.8566 - auroc: 0.63 - ETA: 19:46 - loss: 0.4221 - acc: 0.8562 - auroc: 0.63 - ETA: 19:45 - loss: 0.4174 - acc: 0.8589 - auroc: 0.64 - ETA: 19:43 - loss: 0.4196 - acc: 0.8575 - auroc: 0.64 - ETA: 19:41 - loss: 0.4254 - acc: 0.8546 - auroc: 0.64 - ETA: 19:38 - loss: 0.4236 - acc: 0.8549 - auroc: 0.64 - ETA: 19:35 - loss: 0.4212 - acc: 0.8566 - auroc: 0.64 - ETA: 19:35 - loss: 0.4190 - acc: 0.8579 - auroc: 0.64 - ETA: 19:33 - loss: 0.4206 - acc: 0.8565 - auroc: 0.64 - ETA: 19:30 - loss: 0.4237 - acc: 0.8546 - auroc: 0.64 - ETA: 19:28 - loss: 0.4210 - acc: 0.8561 - auroc: 0.64 - ETA: 19:26 - loss: 0.4217 - acc: 0.8559 - auroc: 0.64 - ETA: 19:23 - loss: 0.4223 - acc: 0.8555 - auroc: 0.64 - ETA: 19:21 - loss: 0.4226 - acc: 0.8556 - auroc: 0.64 - ETA: 19:20 - loss: 0.4221 - acc: 0.8555 - auroc: 0.64 - ETA: 19:17 - loss: 0.4222 - acc: 0.8553 - auroc: 0.64 - ETA: 19:15 - loss: 0.4207 - acc: 0.8560 - auroc: 0.64 - ETA: 19:12 - loss: 0.4193 - acc: 0.8564 - auroc: 0.65 - ETA: 19:10 - loss: 0.4179 - acc: 0.8572 - auroc: 0.65 - ETA: 19:08 - loss: 0.4185 - acc: 0.8575 - auroc: 0.64 - ETA: 19:06 - loss: 0.4200 - acc: 0.8566 - auroc: 0.64 - ETA: 19:04 - loss: 0.4222 - acc: 0.8554 - auroc: 0.64 - ETA: 19:02 - loss: 0.4223 - acc: 0.8553 - auroc: 0.64 - ETA: 19:00 - loss: 0.4233 - acc: 0.8547 - auroc: 0.64 - ETA: 18:58 - loss: 0.4229 - acc: 0.8553 - auroc: 0.64 - ETA: 18:56 - loss: 0.4238 - acc: 0.8546 - auroc: 0.64 - ETA: 18:54 - loss: 0.4242 - acc: 0.8545 - auroc: 0.64 - ETA: 18:52 - loss: 0.4259 - acc: 0.8537 - auroc: 0.64 - ETA: 18:50 - loss: 0.4263 - acc: 0.8534 - auroc: 0.64 - ETA: 18:48 - loss: 0.4252 - acc: 0.8541 - auroc: 0.64 - ETA: 18:46 - loss: 0.4253 - acc: 0.8546 - auroc: 0.64 - ETA: 18:43 - loss: 0.4251 - acc: 0.8547 - auroc: 0.64 - ETA: 18:41 - loss: 0.4240 - acc: 0.8553 - auroc: 0.64 - ETA: 18:39 - loss: 0.4255 - acc: 0.8546 - auroc: 0.64 - ETA: 18:36 - loss: 0.4256 - acc: 0.8545 - auroc: 0.64 - ETA: 18:34 - loss: 0.4249 - acc: 0.8548 - auroc: 0.64 - ETA: 18:32 - loss: 0.4263 - acc: 0.8539 - auroc: 0.64 - ETA: 18:29 - loss: 0.4256 - acc: 0.8542 - auroc: 0.64 - ETA: 18:27 - loss: 0.4261 - acc: 0.8538 - auroc: 0.64 - ETA: 18:25 - loss: 0.4266 - acc: 0.8535 - auroc: 0.64 - ETA: 18:23 - loss: 0.4274 - acc: 0.8532 - auroc: 0.64 - ETA: 18:21 - loss: 0.4258 - acc: 0.8543 - auroc: 0.64 - ETA: 18:19 - loss: 0.4254 - acc: 0.8545 - auroc: 0.64 - ETA: 18:17 - loss: 0.4267 - acc: 0.8539 - auroc: 0.64 - ETA: 18:15 - loss: 0.4253 - acc: 0.8547 - auroc: 0.64 - ETA: 18:14 - loss: 0.4251 - acc: 0.8547 - auroc: 0.64 - ETA: 18:12 - loss: 0.4260 - acc: 0.8540 - auroc: 0.64 - ETA: 18:09 - loss: 0.4263 - acc: 0.8540 - auroc: 0.64 - ETA: 18:07 - loss: 0.4279 - acc: 0.8531 - auroc: 0.64 - ETA: 18:05 - loss: 0.4269 - acc: 0.8535 - auroc: 0.64 - ETA: 18:03 - loss: 0.4266 - acc: 0.8536 - auroc: 0.64 - ETA: 18:00 - loss: 0.4269 - acc: 0.8534 - auroc: 0.64 - ETA: 17:58 - loss: 0.4272 - acc: 0.8532 - auroc: 0.64 - ETA: 17:56 - loss: 0.4276 - acc: 0.8530 - auroc: 0.64 - ETA: 17:54 - loss: 0.4276 - acc: 0.8531 - auroc: 0.64 - ETA: 17:52 - loss: 0.4259 - acc: 0.8538 - auroc: 0.64 - ETA: 17:5

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0 - loss: 0.4259 - acc: 0.8539 - auroc: 0.64 - ETA: 17:47 - loss: 0.4267 - acc: 0.8534 - auroc: 0.
64 - ETA: 17:45 - loss: 0.4268 - acc: 0.8532 - auroc: 0.65 - ETA: 17:43 - loss: 0.4275 - acc: 0.85
27 - auroc: 0.65 - ETA: 17:41 - loss: 0.4282 - acc: 0.8524 - auroc: 0.65 - ETA: 17:39 - loss: 0.42
78 - acc: 0.8526 - auroc: 0.65 - ETA: 17:37 - loss: 0.4279 - acc: 0.8526 - auroc: 0.65 - ETA: 17:3
5 - loss: 0.4266 - acc: 0.8534 - auroc: 0.65 - ETA: 17:33 - loss: 0.4261 - acc: 0.8537 - auroc: 0.
65 - ETA: 17:30 - loss: 0.4268 - acc: 0.8531 - auroc: 0.65 - ETA: 17:28 - loss: 0.4268 - acc: 0.85
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14 - auroc: 0.65 - ETA: 15:22 - loss: 0.4319 - acc: 0.8513 - auroc: 0.65 - ETA: 15:20 - loss: 0.43
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: 0.4362 - acc: 0.8504 - auroc: 0.65 - ETA: 13:48 - loss: 0.4365 - acc: 0.8503 - auroc: 0.65 - ETA
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: 0.4352 - acc: 0.8509 - auroc: 0.65 - ETA: 13:00 - loss: 0.4356 - acc: 0.8507 - auroc: 0.65 - ETA
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: 0.8503 - auroc: 0.65 - ETA: 12:49 - loss: 0.4359 - acc: 0.8503 - auroc: 0.65 - ETA: 12:47 - loss
: 0.4362 - acc: 0.8501 - auroc: 0.65 - ETA: 12:44 - loss: 0.4359 - acc: 0.8503 - auroc: 0.65 - ETA
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4342 - acc: 0.8504 - auroc: 0.659 - ETA: 7:30 - loss: 0.4341 - acc: 0.8504 - auroc: 0.659 - ETA: 7
:28 - loss: 0.4339 - acc: 0.8506 - auroc: 0.659 - ETA: 7:25 - loss: 0.4336 - acc: 0.8507 - auroc:
0.659 - ETA: 7:23 - loss: 0.4335 - acc: 0.8507 - auroc: 0.659 - ETA: 7:21 - loss: 0.4337 - acc: 0.
8506 - auroc: 0.659 - ETA: 7:19 - loss: 0.4337 - acc: 0.8506 - auroc: 0.659 - ETA: 7:16 - loss: 0.
4335 - acc: 0.8507 - auroc: 0.659 - ETA: 7:14 - loss: 0.4335 - acc: 0.8507 - auroc: 0.659 - ETA: 7
:12 - loss: 0.4334 - acc: 0.8507 - auroc: 0.659 - ETA: 7:10 - loss: 0.4333 - acc: 0.8508 - auroc:
0.659 - ETA: 7:07 - loss: 0.4335 - acc: 0.8506 - auroc: 0.659 - ETA: 7:05 - loss: 0.4336 - acc: 0.
8506 - auroc: 0.659 - ETA: 7:03 - loss: 0.4334 - acc: 0.8508 - auroc: 0.659 - ETA: 7:00 - loss: 0.
4333 - acc: 0.8508 - auroc: 0.659 - ETA: 6:58 - loss: 0.4333 - acc: 0.8508 - auroc: 0.659 - ETA: 6
:56 - loss: 0.4333 - acc: 0.8508 - auroc: 0.659 - ETA: 6:54 - loss: 0.4335 - acc: 0.8507 - auroc:
0.659 - ETA: 6:51 - loss: 0.4336 - acc: 0.8506 - auroc: 0.659 - ETA: 6:49 - loss: 0.4335 - acc: 0.
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:40 - loss: 0.4336 - acc: 0.8506 - auroc: 0.659 - ETA: 6:38 - loss: 0.4337 - acc: 0.8505 - auroc:
0.659 - ETA: 6:36 - loss: 0.4336 - acc: 0.8506 - auroc: 0.659 - ETA: 6:33 - loss: 0.4338 - acc: 0.
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:24 - loss: 0.4336 - acc: 0.8506 - auroc: 0.659 - ETA: 6:22 - loss: 0.4336 - acc: 0.8506 - auroc:
0.659 - ETA: 6:20 - loss: 0.4335 - acc: 0.8506 - auroc: 0.659 - ETA: 6:17 - loss: 0.4337 - acc: 0.
8506 - auroc: 0.659 - ETA: 6:15 - loss: 0.4336 - acc: 0.8506 - auroc: 0.659 - ETA: 6:13 - loss: 0.
4335 - acc: 0.8506 - auroc: 0.659 - ETA: 6:11 - loss: 0.4336 - acc: 0.8505 - auroc: 0.659 - ETA: 6
:08 - loss: 0.4334 - acc: 0.8506 - auroc: 0.659 - ETA: 6:06 - loss: 0.4334 - acc: 0.8506 - auroc:
0.659 - ETA: 6:04 - loss: 0.4335 - acc: 0.8505 - auroc: 0.659 - ETA: 6:02 - loss: 0.4336 - acc: 0.
8505 - auroc: 0.659 - ETA: 5:59 - loss: 0.4337 - acc: 0.8504 - auroc: 0.659 - ETA: 5:57 - loss: 0.
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:53 - loss: 0.4337 - acc: 0.8505 - auroc: 0.659 - ETA: 5:50 - loss: 0.4336 - acc: 0.8505 - auroc:
0.659 - ETA: 5:48 - loss: 0.4336 - acc: 0.8505 - auroc: 0.659 - ETA: 5:46 - loss: 0.4336 - acc: 0.
8504 - auroc: 0.659 - ETA: 5:44 - loss: 0.4336 - acc: 0.8505 - auroc: 0.660 - ETA: 5:41 - loss: 0.
4335 - acc: 0.8505 - auroc: 0.659 - ETA: 5:39 - loss: 0.4335 - acc: 0.8505 - auroc: 0.659 - ETA: 5
:37 - loss: 0.4333 - acc: 0.8506 - auroc: 0.659 - ETA: 5:34 - loss: 0.4333 - acc: 0.8507 - auroc:
0.659 - ETA: 5:32 - loss: 0.4333 - acc: 0.8506 - auroc: 0.659 - ETA: 5:30 - loss: 0.4334 - acc: 0.
8505 - auroc: 0.660 - ETA: 5:28 - loss: 0.4332 - acc: 0.8506 - auroc: 0.660 - ETA: 5:25 - loss: 0.
4333 - acc: 0.8505 - auroc: 0.660 - ETA: 5:23 - loss: 0.4333 - acc: 0.8505 - auroc: 0.660 - ETA: 5
:21 - loss: 0.4333 - acc: 0.8505 - auroc: 0.660 - ETA: 5:19 - loss: 0.4333 - acc: 0.8505 - auroc:
0.660 - ETA: 5:16 - loss: 0.4332 - acc: 0.8505 - auroc: 0.660 - ETA: 5:14 - loss: 0.4333 - acc: 0.
8504 - auroc: 0.660 - ETA: 5:12 - loss: 0.4335 - acc: 0.8503 - auroc: 0.660 - ETA: 5:10 - loss: 0.
4338 - acc: 0.8502 - auroc: 0.660 - ETA: 5:07 - loss: 0.4338 - acc: 0.8502 - auroc: 0.659 - ETA: 5
:05 - loss: 0.4340 - acc: 0.8501 - auroc: 0.659 - ETA: 5:03 - loss: 0.4341 - acc: 0.8500 - auroc:
0.660 - ETA: 5:01 - loss: 0.4340 - acc: 0.8501 - auroc: 0.659 - ETA: 4:58 - loss: 0.4342 - acc: 0.
8500 - auroc: 0.659 - ETA: 4:56 - loss: 0.4341 - acc: 0.8501 - auroc: 0.659 - ETA: 4:54 - loss: 0.
4342 - acc: 0.8500 - auroc: 0.659 - ETA: 4:52 - loss: 0.4342 - acc: 0.8500 - auroc: 0.659 - ETA: 4
:49 - loss: 0.4342 - acc: 0.8500 - auroc: 0.659 - ETA: 4:47 - loss: 0.4343 - acc: 0.8499 - auroc:
0.659 - ETA: 4:45 - loss: 0.4345 - acc: 0.8499 - auroc: 0.659 - ETA: 4:42 - loss: 0.4344 - acc: 0.
8499 - auroc: 0.659 - ETA: 4:40 - loss: 0.4346 - acc: 0.8498 - auroc: 0.659 - ETA: 4:38 - loss: 0.
4346 - acc: 0.8498 - auroc: 0.659 - ETA: 4:36 - loss: 0.4345 - acc: 0.8499 - auroc: 0.659 - ETA: 4
:33 - loss: 0.4344 - acc: 0.8499 - auroc: 0.659 - ETA: 4:31 - loss: 0.4344 - acc: 0.8499 - auroc:
0.659 - ETA: 4:29 - loss: 0.4344 - acc: 0.8499 - auroc: 0.659 - ETA: 4:27 - loss: 0.4347 - acc: 0.
8498 - auroc: 0.659 - ETA: 4:24 - loss: 0.4347 - acc: 0.8497 - auroc: 0.659 - ETA: 4:22 - loss: 0.
4348 - acc: 0.8497 - auroc: 0.659 - ETA: 4:20 - loss: 0.4349 - acc: 0.8496 - auroc: 0.659 - ETA: 4
:18 - loss: 0.4349 - acc: 0.8496 - auroc: 0.659 - ETA: 4:15 - loss: 0.4350 - acc: 0.8495 - auroc:
0.659 - ETA: 4:13 - loss: 0.4350 - acc: 0.8494 - auroc: 0.660 - ETA: 4:11 - loss: 0.4350 - acc: 0.
8494 - auroc: 0.660 - ETA: 4:09 - loss: 0.4351 - acc: 0.8494 - auroc: 0.660 - ETA: 4:06 - loss: 0.
4351 - acc: 0.8493 - auroc: 0.660 - ETA: 4:04 - loss: 0.4352 - acc: 0.8492 - auroc:
0.660369918/69918 [==============================] - ETA: 4:02 - loss: 0.4353 - acc: 0.8491 - auro
c: 0.660 - ETA: 4:00 - loss: 0.4353 - acc: 0.8491 - auroc: 0.660 - ETA: 3:57 - loss: 0.4351 - acc:
0.8492 - auroc: 0.660 - ETA: 3:55 - loss: 0.4349 - acc: 0.8493 - auroc: 0.660 - ETA: 3:53 - loss:
0.4353 - acc: 0.8492 - auroc: 0.660 - ETA: 3:51 - loss: 0.4356 - acc: 0.8490 - auroc: 0.660 - ETA:
3:48 - loss: 0.4357 - acc: 0.8490 - auroc: 0.660 - ETA: 3:46 - loss: 0.4355 - acc: 0.8491 - auroc:
0.660 - ETA: 3:44 - loss: 0.4356 - acc: 0.8491 - auroc: 0.659 - ETA: 3:41 - loss: 0.4355 - acc: 0.
8491 - auroc: 0.660 - ETA: 3:39 - loss: 0.4356 - acc: 0.8491 - auroc: 0.660 - ETA: 3:37 - loss: 0.
4355 - acc: 0.8491 - auroc: 0.660 - ETA: 3:35 - loss: 0.4356 - acc: 0.8490 - auroc: 0.660 - ETA: 3
:32 - loss: 0.4356 - acc: 0.8490 - auroc: 0.660 - ETA: 3:30 - loss: 0.4358 - acc: 0.8489 - auroc:
0.660 - ETA: 3:28 - loss: 0.4357 - acc: 0.8489 - auroc: 0.660 - ETA: 3:26 - loss: 0.4355 - acc: 0.
8490 - auroc: 0.661 - ETA: 3:23 - loss: 0.4353 - acc: 0.8491 - auroc: 0.661 - ETA: 3:21 - loss: 0.
4353 - acc: 0.8490 - auroc: 0.661 - ETA: 3:19 - loss: 0.4354 - acc: 0.8489 - auroc: 0.661 - ETA: 3
:17 - loss: 0.4354 - acc: 0.8489 - auroc: 0.661 - ETA: 3:14 - loss: 0.4355 - acc: 0.8488 - auroc:
0.662 - ETA: 3:12 - loss: 0.4355 - acc: 0.8488 - auroc: 0.661 - ETA: 3:10 - loss: 0.4356 - acc: 0.
8487 - auroc: 0.662 - ETA: 3:08 - loss: 0.4358 - acc: 0.8486 - auroc: 0.661 - ETA: 3:05 - loss: 0.
4358 - acc: 0.8486 - auroc: 0.662 - ETA: 3:03 - loss: 0.4359 - acc: 0.8486 - auroc: 0.661 - ETA: 3
:01 - loss: 0.4359 - acc: 0.8486 - auroc: 0.661 - ETA: 2:59 - loss: 0.4359 - acc: 0.8486 - auroc:
0.661 - ETA: 2:56 - loss: 0.4358 - acc: 0.8487 - auroc: 0.661 - ETA: 2:54 - loss: 0.4357 - acc: 0.
8488 - auroc: 0.661 - ETA: 2:52 - loss: 0.4356 - acc: 0.8489 - auroc: 0.661 - ETA: 2:50 - loss: 0.

```
4356 - acc: 0.8488 - auroc: 0.661 - ETA: 2:47 - loss: 0.4359 - acc: 0.8487 - auroc: 0.661 - ETA: 2
:45 - loss: 0.4358 - acc: 0.8488 - auroc: 0.661 - ETA: 2:43 - loss: 0.4358 - acc: 0.8488 - auroc:
0.661 - ETA: 2:41 - loss: 0.4357 - acc: 0.8488 - auroc: 0.662 - ETA: 2:38 - loss: 0.4356 - acc: 0.
8489 - auroc: 0.662 - ETA: 2:36 - loss: 0.4356 - acc: 0.8489 - auroc: 0.661 - ETA: 2:34 - loss: 0.
4355 - acc: 0.8490 - auroc: 0.661 - ETA: 2:31 - loss: 0.4355 - acc: 0.8490 - auroc: 0.661 - ETA: 2
:29 - loss: 0.4355 - acc: 0.8490 - auroc: 0.661 - ETA: 2:27 - loss: 0.4355 - acc: 0.8490 - auroc:
0.661 - ETA: 2:25 - loss: 0.4356 - acc: 0.8490 - auroc: 0.661 - ETA: 2:22 - loss: 0.4354 - acc: 0.
8491 - auroc: 0.661 - ETA: 2:20 - loss: 0.4352 - acc: 0.8492 - auroc: 0.661 - ETA: 2:18 - loss: 0.
4352 - acc: 0.8492 - auroc: 0.662 - ETA: 2:16 - loss: 0.4351 - acc: 0.8492 - auroc: 0.662 - ETA: 2
:13 - loss: 0.4353 - acc: 0.8491 - auroc: 0.662 - ETA: 2:11 - loss: 0.4353 - acc: 0.8491 - auroc:
0.662 - ETA: 2:09 - loss: 0.4355 - acc: 0.8490 - auroc: 0.662 - ETA: 2:07 - loss: 0.4354 - acc: 0.
8490 - auroc: 0.662 - ETA: 2:04 - loss: 0.4353 - acc: 0.8491 - auroc: 0.662 - ETA: 2:02 - loss: 0.
4354 - acc: 0.8490 - auroc: 0.662 - ETA: 2:00 - loss: 0.4352 - acc: 0.8491 - auroc: 0.663 - ETA: 1
:58 - loss: 0.4351 - acc: 0.8491 - auroc: 0.663 - ETA: 1:55 - loss: 0.4352 - acc: 0.8491 - auroc:
0.662 - ETA: 1:53 - loss: 0.4353 - acc: 0.8490 - auroc: 0.662 - ETA: 1:51 - loss: 0.4354 - acc: 0.
8490 - auroc: 0.662 - ETA: 1:49 - loss: 0.4354 - acc: 0.8490 - auroc: 0.662 - ETA: 1:46 - loss: 0.
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:42 - loss: 0.4357 - acc: 0.8489 - auroc: 0.662 - ETA: 1:40 - loss: 0.4356 - acc: 0.8489 - auroc:
0.663 - ETA: 1:37 - loss: 0.4356 - acc: 0.8489 - auroc: 0.663 - ETA: 1:35 - loss: 0.4357 - acc: 0.
8489 - auroc: 0.663 - ETA: 1:33 - loss: 0.4357 - acc: 0.8489 - auroc: 0.663 - ETA: 1:31 - loss: 0.
4356 - acc: 0.8489 - auroc: 0.663 - ETA: 1:28 - loss: 0.4356 - acc: 0.8489 - auroc: 0.663 - ETA: 1
:26 - loss: 0.4357 - acc: 0.8488 - auroc: 0.663 - ETA: 1:24 - loss: 0.4357 - acc: 0.8488 - auroc:
0.663 - ETA: 1:22 - loss: 0.4357 - acc: 0.8488 - auroc: 0.663 - ETA: 1:19 - loss: 0.4358 - acc: 0.
8488 - auroc: 0.663 - ETA: 1:17 - loss: 0.4357 - acc: 0.8488 - auroc: 0.663 - ETA: 1:15 - loss: 0.
4357 - acc: 0.8488 - auroc: 0.663 - ETA: 1:12 - loss: 0.4357 - acc: 0.8488 - auroc: 0.663 - ETA: 1
:10 - loss: 0.4356 - acc: 0.8489 - auroc: 0.663 - ETA: 1:08 - loss: 0.4356 - acc: 0.8489 - auroc:
0.663 - ETA: 1:06 - loss: 0.4356 - acc: 0.8489 - auroc: 0.663 - ETA: 1:03 - loss: 0.4356 - acc: 0.
8489 - auroc: 0.663 - ETA: 1:01 - loss: 0.4356 - acc: 0.8489 - auroc: 0.663 - ETA: 59s - loss: 0.4
357 - acc: 0.8488 - auroc: 0.663 - ETA: 57s - loss: 0.4357 - acc: 0.8488 - auroc: 0.66 - ETA: 54s
- loss: 0.4357 - acc: 0.8488 - auroc: 0.66 - ETA: 52s - loss: 0.4356 - acc: 0.8488 - auroc: 0.66 -
ETA: 50s - loss: 0.4355 - acc: 0.8488 - auroc: 0.66 - ETA: 48s - loss: 0.4355 - acc: 0.8489 - auro
c: 0.66 - ETA: 45s - loss: 0.4356 - acc: 0.8488 - auroc: 0.66 - ETA: 43s - loss: 0.4356 - acc: 0.8
488 - auroc: 0.66 - ETA: 41s - loss: 0.4354 - acc: 0.8488 - auroc: 0.66 - ETA: 39s - loss: 0.4355
- acc: 0.8488 - auroc: 0.66 - ETA: 36s - loss: 0.4356 - acc: 0.8487 - auroc: 0.66 - ETA: 34s - los
s: 0.4357 - acc: 0.8487 - auroc: 0.66 - ETA: 32s - loss: 0.4359 - acc: 0.8486 - auroc: 0.66 - ETA:
29s - loss: 0.4359 - acc: 0.8486 - auroc: 0.66 - ETA: 27s - loss: 0.4359 - acc: 0.8486 - auroc: 0.
66 - ETA: 25s - loss: 0.4359 - acc: 0.8486 - auroc: 0.66 - ETA: 23s - loss: 0.4359 - acc: 0.8486 -
auroc: 0.66 - ETA: 20s - loss: 0.4360 - acc: 0.8486 - auroc: 0.66 - ETA: 18s - loss: 0.4359 - acc:
0.8486 - auroc: 0.66 - ETA: 16s - loss: 0.4361 - acc: 0.8485 - auroc: 0.66 - ETA: 14s - loss: 0.43
60 - acc: 0.8486 - auroc: 0.66 - ETA: 11s - loss: 0.4361 - acc: 0.8486 - auroc: 0.66 - ETA: 9s - l
oss: 0.4361 - acc: 0.8485 - auroc: 0.6639 - ETA: 7s - loss: 0.4359 - acc: 0.8487 - auroc: 0.663 -
ETA: 5s - loss: 0.4360 - acc: 0.8486 - auroc: 0.664 - ETA: 2s - loss: 0.4360 - acc: 0.8486 - auroc
: 0.664 - ETA: 0s - loss: 0.4360 - acc: 0.8486 - auroc: 0.664 - 1321s 19ms/step - loss: 0.4360 - a
cc: 0.8486 - auroc: 0.6642 - val_loss: 0.4268 - val_acc: 0.8486 - val_auroc: 0.6966
Epoch 6/15
18688/69918 [=======>......................] - ETA: 19:52 - loss: 0.4590 - acc: 0.8359 - auroc: 0.
64 - ETA: 19:58 - loss: 0.4588 - acc: 0.8398 - auroc: 0.62 - ETA: 19:59 - loss: 0.4415 - acc: 0.84
38 - auroc: 0.67 - ETA: 20:02 - loss: 0.4393 - acc: 0.8438 - auroc: 0.68 - ETA: 20:08 - loss: 0.43
37 - acc: 0.8500 - auroc: 0.67 - ETA: 20:12 - loss: 0.4424 - acc: 0.8438 - auroc: 0.67 - ETA: 20:1
0 - loss: 0.4417 - acc: 0.8460 - auroc: 0.66 - ETA: 20:10 - loss: 0.4436 - acc: 0.8447 - auroc: 0.
66 - ETA: 20:04 - loss: 0.4479 - acc: 0.8429 - auroc: 0.66 - ETA: 20:02 - loss: 0.4422 - acc: 0.84
61 - auroc: 0.66 - ETA: 20:03 - loss: 0.4470 - acc: 0.8430 - auroc: 0.66 - ETA: 20:00 - loss: 0.44
72 - acc: 0.8431 - auroc: 0.66 - ETA: 19:58 - loss: 0.4479 - acc: 0.8431 - auroc: 0.65 - ETA: 19:5
6 - loss: 0.4456 - acc: 0.8449 - auroc: 0.65 - ETA: 19:54 - loss: 0.4444 - acc: 0.8448 - auroc: 0.
66 - ETA: 19:52 - loss: 0.4439 - acc: 0.8447 - auroc: 0.66 - ETA: 19:49 - loss: 0.4387 - acc: 0.84
74 - auroc: 0.66 - ETA: 19:48 - loss: 0.4391 - acc: 0.8472 - auroc: 0.66 - ETA: 19:46 - loss: 0.43
52 - acc: 0.8491 - auroc: 0.66 - ETA: 19:45 - loss: 0.4385 - acc: 0.8473 - auroc: 0.66 - ETA: 19:4
3 - loss: 0.4381 - acc: 0.8478 - auroc: 0.66 - ETA: 19:41 - loss: 0.4396 - acc: 0.8466 - auroc: 0.
67 - ETA: 19:39 - loss: 0.4419 - acc: 0.8458 - auroc: 0.66 - ETA: 19:37 - loss: 0.4406 - acc: 0.84
67 - auroc: 0.66 - ETA: 19:34 - loss: 0.4380 - acc: 0.8478 - auroc: 0.66 - ETA: 19:33 - loss: 0.43
74 - acc: 0.8480 - auroc: 0.67 - ETA: 19:30 - loss: 0.4370 - acc: 0.8478 - auroc: 0.67 - ETA: 19:2
8 - loss: 0.4356 - acc: 0.8488 - auroc: 0.67 - ETA: 19:26 - loss: 0.4370 - acc: 0.8486 - auroc: 0.
66 - ETA: 19:23 - loss: 0.4365 - acc: 0.8490 - auroc: 0.66 - ETA: 19:22 - loss: 0.4394 - acc: 0.84
65 - auroc: 0.66 - ETA: 19:20 - loss: 0.4382 - acc: 0.8469 - auroc: 0.66 - ETA: 19:17 - loss: 0.43
96 - acc: 0.8464 - auroc: 0.66 - ETA: 19:15 - loss: 0.4380 - acc: 0.8470 - auroc: 0.66 - ETA: 19:1
2 - loss: 0.4394 - acc: 0.8460 - auroc: 0.66 - ETA: 19:09 - loss: 0.4387 - acc: 0.8466 - auroc: 0.
66 - ETA: 19:07 - loss: 0.4393 - acc: 0.8457 - auroc: 0.66 - ETA: 19:05 - loss: 0.4406 - acc: 0.84
52 - auroc: 0.66 - ETA: 19:02 - loss: 0.4423 - acc: 0.8435 - auroc: 0.66 - ETA: 19:00 - loss: 0.44
15 - acc: 0.8441 - auroc: 0.66 - ETA: 18:58 - loss: 0.4417 - acc: 0.8436 - auroc: 0.66 - ETA: 18:5
5 - loss: 0.4401 - acc: 0.8441 - auroc: 0.67 - ETA: 18:53 - loss: 0.4420 - acc: 0.8430 - auroc: 0.
67 - ETA: 18:51 - loss: 0.4411 - acc: 0.8436 - auroc: 0.67 - ETA: 18:50 - loss: 0.4424 - acc: 0.84
27 - auroc: 0.67 - ETA: 18:48 - loss: 0.4411 - acc: 0.8434 - auroc: 0.67 - ETA: 18:45 - loss: 0.44
06 - acc: 0.8436 - auroc: 0.67 - ETA: 18:42 - loss: 0.4383 - acc: 0.8446 - auroc: 0.67 - ETA: 18:4
0 - loss: 0.4390 - acc: 0.8441 - auroc: 0.67 - ETA: 18:38 - loss: 0.4369 - acc: 0.8450 - auroc: 0.
67 - ETA: 18:35 - loss: 0.4336 - acc: 0.8465 - auroc: 0.68 - ETA: 18:34 - loss: 0.4342 - acc: 0.84
68 - auroc: 0.68 - ETA: 18:31 - loss: 0.4342 - acc: 0.8468 - auroc: 0.68 - ETA: 18:29 - loss: 0.43
36 - acc: 0.8474 - auroc: 0.67 - ETA: 18:27 - loss: 0.4331 - acc: 0.8476 - auroc: 0.68 - ETA: 18:2
```

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5 - loss: 0.4328 - acc: 0.8477 - auroc: 0.68 - ETA: 18:22 - loss: 0.4330 - acc: 0.8479 - auroc: 0.
68 - ETA: 18:20 - loss: 0.4332 - acc: 0.8477 - auroc: 0.68 - ETA: 18:18 - loss: 0.4335 - acc: 0.84
75 - auroc: 0.68 - ETA: 18:16 - loss: 0.4322 - acc: 0.8483 - auroc: 0.68 - ETA: 18:14 - loss: 0.43
22 - acc: 0.8484 - auroc: 0.68 - ETA: 18:12 - loss: 0.4319 - acc: 0.8485 - auroc: 0.68 - ETA: 18:1
0 - loss: 0.4328 - acc: 0.8485 - auroc: 0.68 - ETA: 18:08 - loss: 0.4328 - acc: 0.8485 - auroc: 0.
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4 - loss: 0.4324 - acc: 0.8492 - auroc: 0.68 - ETA: 17:22 - loss: 0.4311 - acc: 0.8498 - auroc: 0.
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08 - acc: 0.8502 - auroc: 0.68 - ETA: 17:10 - loss: 0.4301 - acc: 0.8507 - auroc: 0.68 - ETA: 17:0
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0.684 - ETA: 8:27 - loss: 0.4322 - acc: 0.8489 - auroc: 0.684 - ETA: 8:25 - loss: 0.4323 - acc: 0.

8488 - auroc: 0.684 - ETA: 8:22 - loss: 0.4324 - acc: 0.8488 - auroc: 0.684 - ETA: 8:20 - loss: 0.4324 - acc: 0.8488 - auroc: 0.684 - ETA: 8:18 - loss: 0.4324 - acc: 0.8487 - auroc: 0.685 - ETA: 8:16 - loss: 0.4320 - acc: 0.8489 - auroc: 0.685 - ETA: 8:13 - loss: 0.4320 - acc: 0.8489 - auroc: 0.685 - ETA: 8:11 - loss: 0.4319 - acc: 0.8490 - auroc: 0.685 - ETA: 8:09 - loss: 0.4320 - acc: 0.8490 - auroc: 0.684 - ETA: 8:06 - loss: 0.4319 - acc: 0.8491 - auroc: 0.684 - ETA: 8:04 - loss: 0.4321 - acc: 0.8490 - auroc: 0.684 - ETA: 8:02 - loss: 0.4324 - acc: 0.8488 - auroc: 0.684 - ETA: 8:00 - loss: 0.4326 - acc: 0.8487 - auroc: 0.684 - ETA: 7:57 - loss: 0.4327 - acc: 0.8487 - auroc: 0.684 - ETA: 7:55 - loss: 0.4329 - acc: 0.8485 - auroc: 0.684 - ETA: 7:53 - loss: 0.4328 - acc: 0.8486 - auroc: 0.684 - ETA: 7:51 - loss: 0.4326 - acc: 0.8487 - auroc: 0.684 - ETA: 7:48 - loss: 0.4327 - acc: 0.8487 - auroc: 0.684 - ETA: 7:46 - loss: 0.4328 - acc: 0.8486 - auroc: 0.685 - ETA: 7:44 - loss: 0.4328 - acc: 0.8486 - auroc: 0.685 - ETA: 7:42 - loss: 0.4330 - acc: 0.8484 - auroc: 0.685 - ETA: 7:39 - loss: 0.4328 - acc: 0.8486 - auroc: 0.685 - ETA: 7:37 - loss: 0.4330 - acc: 0.8485 - auroc: 0.685 - ETA: 7:35 - loss: 0.4330 - acc: 0.8485 - auroc: 0.684 - ETA: 7:32 - loss: 0.4330 - acc: 0.8486 - auroc: 0.684 - ETA: 7:30 - loss: 0.4331 - acc: 0.8485 - auroc: 0.684 - ETA: 7:28 - loss: 0.4336 - acc: 0.8483 - auroc: 0.683 - ETA: 7:26 - loss: 0.4338 - acc: 0.8482 - auroc: 0.683 - ETA: 7:23 - loss: 0.4340 - acc: 0.8481 - auroc: 0.683 - ETA: 7:21 - loss: 0.4339 - acc: 0.8481 - auroc: 0.683 - ETA: 7:19 - loss: 0.4339 - acc: 0.8481 - auroc: 0.683 - ETA: 7:17 - loss: 0.4339 - acc: 0.8481 - auroc: 0.683 - ETA: 7:14 - loss: 0.4337 - acc: 0.8483 - auroc: 0.683 - ETA: 7:12 - loss: 0.4336 - acc: 0.8483 - auroc: 0.683 - ETA: 7:10 - loss: 0.4336 - acc: 0.8483 - auroc: 0.684 - ETA: 7:08 - loss: 0.4335 - acc: 0.8483 - auroc: 0.684 - ETA: 7:05 - loss: 0.4338 - acc: 0.8482 - auroc: 0.684 - ETA: 7:03 - loss: 0.4337 - acc: 0.8483 - auroc: 0.683 - ETA: 7:01 - loss: 0.4335 - acc: 0.8485 - auroc: 0.683 - ETA: 6:59 - loss: 0.4334 - acc: 0.8485 - auroc: 0.683 - ETA: 6:56 - loss: 0.4336 - acc: 0.8484 - auroc: 0.683 - ETA: 6:54 - loss: 0.4336 - acc: 0.8484 - auroc: 0.683 - ETA: 6:52 - loss: 0.4338 - acc: 0.8483 - auroc: 0.683 - ETA: 6:49 - loss: 0.4339 - acc: 0.8484 - auroc: 0.683 - ETA: 6:47 - loss: 0.4339 - acc: 0.8484 - auroc: 0.682 - ETA: 6:45 - loss: 0.4337 - acc: 0.8485 - auroc: 0.682 - ETA: 6:43 - loss: 0.4338 - acc: 0.8485 - auroc: 0.682 - ETA: 6:40 - loss: 0.4339 - acc: 0.8485 - auroc: 0.682 - ETA: 6:38 - loss: 0.4338 - acc: 0.8485 - auroc: 0.682 - ETA: 6:36 - loss: 0.4340 - acc: 0.8484 - auroc: 0.683 - ETA: 6:34 - loss: 0.4339 - acc: 0.8484 - auroc: 0.682 - ETA: 6:31 - loss: 0.4339 - acc: 0.8484 - auroc: 0.682 - ETA: 6:29 - loss: 0.4340 - acc: 0.8483 - auroc: 0.682 - ETA: 6:27 - loss: 0.4340 - acc: 0.8483 - auroc: 0.683 - ETA: 6:25 - loss: 0.4339 - acc: 0.8484 - auroc: 0.682 - ETA: 6:22 - loss: 0.4336 - acc: 0.8486 - auroc: 0.682 - ETA: 6:20 - loss: 0.4337 - acc: 0.8485 - auroc: 0.682 - ETA: 6:18 - loss: 0.4338 - acc: 0.8485 - auroc: 0.682 - ETA: 6:16 - loss: 0.4339 - acc: 0.8484 - auroc: 0.682 - ETA: 6:13 - loss: 0.4340 - acc: 0.8483 - auroc: 0.682 - ETA: 6:11 - loss: 0.4339 - acc: 0.8484 - auroc: 0.682 - ETA: 6:09 - loss: 0.4339 - acc: 0.8484 - auroc: 0.682 - ETA: 6:07 - loss: 0.4340 - acc: 0.8483 - auroc: 0.682 - ETA: 6:04 - loss: 0.4339 - acc: 0.8483 - auroc: 0.683 - ETA: 6:02 - loss: 0.4337 - acc: 0.8484 - auroc: 0.683 - ETA: 6:00 - loss: 0.4337 - acc: 0.8484 - auroc: 0.683 - ETA: 5:57 - loss: 0.4336 - acc: 0.8484 - auroc: 0.683 - ETA: 5:55 - loss: 0.4335 - acc: 0.8485 - auroc: 0.683 - ETA: 5:53 - loss: 0.4335 - acc: 0.8486 - auroc: 0.682 - ETA: 5:51 - loss: 0.4335 - acc: 0.8485 - auroc: 0.683 - ETA: 5:48 - loss: 0.4334 - acc: 0.8486 - auroc: 0.682 - ETA: 5:46 - loss: 0.4335 - acc: 0.8485 - auroc: 0.683 - ETA: 5:44 - loss: 0.4334 - acc: 0.8485 - auroc: 0.683 - ETA: 5:42 - loss: 0.4335 - acc: 0.8485 - auroc: 0.683 - ETA: 5:39 - loss: 0.4334 - acc: 0.8485 - auroc: 0.683 - ETA: 5:37 - loss: 0.4334 - acc: 0.8486 - auroc: 0.683 - ETA: 5:35 - loss: 0.4335 - acc: 0.8485 - auroc: 0.683 - ETA: 5:33 - loss: 0.4334 - acc: 0.8485 - auroc: 0.683 - ETA: 5:30 - loss: 0.4333 - acc: 0.8485 - auroc: 0.683 - ETA: 5:28 - loss: 0.4332 - acc: 0.8485 - auroc: 0.684 - ETA: 5:26 - loss: 0.4334 - acc: 0.8483 - auroc: 0.684 - ETA: 5:24 - loss: 0.4334 - acc: 0.8483 - auroc: 0.684 - ETA: 5:21 - loss: 0.4334 - acc: 0.8482 - auroc: 0.684 - ETA: 5:19 - loss: 0.4334 - acc: 0.8483 - auroc: 0.684 - ETA: 5:17 - loss: 0.4336 - acc: 0.8482 - auroc: 0.684 - ETA: 5:15 - loss: 0.4335 - acc: 0.8483 - auroc: 0.684 - ETA: 5:12 - loss: 0.4334 - acc: 0.8484 - auroc: 0.684 - ETA: 5:10 - loss: 0.4333 - acc: 0.8484 - auroc: 0.684 - ETA: 5:08 - loss: 0.4335 - acc: 0.8483 - auroc: 0.684 - ETA: 5:06 - loss: 0.4333 - acc: 0.8484 - auroc: 0.684 - ETA: 5:03 - loss: 0.4335 - acc: 0.8484 - auroc: 0.683 - ETA: 5:01 - loss: 0.4334 - acc: 0.8485 - auroc: 0.683 - ETA: 4:59 - loss: 0.4333 - acc: 0.8486 - auroc: 0.683 - ETA: 4:57 - loss: 0.4334 - acc: 0.8485 - auroc: 0.683 - ETA: 4:54 - loss: 0.4336 - acc: 0.8484 - auroc: 0.683 - ETA: 4:52 - loss: 0.4336 - acc: 0.8484 - auroc: 0.683 - ETA: 4:50 - loss: 0.4337 - acc: 0.8483 - auroc: 0.683 - ETA: 4:47 - loss: 0.4338 - acc: 0.8483 - auroc: 0.683 - ETA: 4:45 - loss: 0.4337 - acc: 0.8484 - auroc: 0.683 - ETA: 4:43 - loss: 0.4335 - acc: 0.8485 - auroc: 0.684 - ETA: 4:41 - loss: 0.4333 - acc: 0.8486 - auroc: 0.684 - ETA: 4:38 - loss: 0.4331 - acc: 0.8487 - auroc: 0.684 - ETA: 4:36 - loss: 0.4330 - acc: 0.8487 - auroc: 0.684 - ETA: 4:34 - loss: 0.4331 - acc: 0.8488 - auroc: 0.684 - ETA: 4:32 - loss: 0.4330 - acc: 0.8488 - auroc: 0.684 - ETA: 4:29 - loss: 0.4332 - acc: 0.8487 - auroc: 0.684 - ETA: 4:27 - loss: 0.4330 - acc: 0.8488 - auroc: 0.684 - ETA: 4:25 - loss: 0.4329 - acc: 0.8488 - auroc: 0.684 - ETA: 4:23 - loss: 0.4330 - acc: 0.8488 - auroc: 0.684 - ETA: 4:20 - loss: 0.4331 - acc: 0.8487 - auroc: 0.684 - ETA: 4:18 - loss: 0.4331 - acc: 0.8487 - auroc: 0.684 - ETA: 4:16 - loss: 0.4331 - acc: 0.8486 - auroc: 0.685 - ETA: 4:14 - loss: 0.4332 - acc: 0.8486 - auroc: 0.685 - ETA: 4:11 - loss: 0.4331 - acc: 0.8487 - auroc: 0.685 - ETA: 4:09 - loss: 0.4330 - acc: 0.8487 - auroc: 0.685 - ETA: 4:07 - loss: 0.4331 - acc: 0.8487 - auroc: 0.684 - ETA: 4:05 - loss: 0.4329 - acc: 0.8487 - auroc: 0.685169918/69918 [==============================] - ETA: 4:02 - loss: 0.4328 - acc: 0.8488 - auroc: 0.685 - ETA: 4:00 - loss: 0.4330 - acc: 0.8487 - auroc: 0.685 - ETA: 3:58 - loss: 0.4328 - acc: 0.8488 - auroc: 0.685 - ETA: 3:55 - loss: 0.4329 - acc: 0.8487 - auroc: 0.685 - ETA: 3:53 - loss: 0.4329 - acc: 0.8487 - auroc: 0.685 - ETA: 3:51 - loss: 0.4329 - acc: 0.8487 - auroc: 0.685 - ETA: 3:49 - loss: 0.4329 - acc: 0.8486 - auroc: 0.685 - ETA: 3:46 - loss: 0.4330 - acc: 0.8486 - auroc: 0.685 - ETA: 3:44 - loss: 0.4331 - acc: 0.8485 - auroc: 0.685 - ETA: 3:42 - loss: 0.4332 - acc: 0.8484 - auroc: 0.685 - ETA: 3:40 - loss: 0.4333 - acc: 0.8484 - auroc: 0.685 - ETA: 3:37 - loss: 0.4333 - acc: 0.8483 - auroc: 0.685 - ETA: 3:35 - loss: 0.4334 - acc: 0.8483 - auroc: 0.685 - ETA: 3:33 - loss: 0.4335 - acc: 0.8483 - auroc: 0.685 - ETA: 3:31 - loss: 0.4333 - acc: 0.8484 - auroc: 0.685 - ETA: 3:28 - loss: 0.4330 - acc: 0.8485 - auroc: 0.685 - ETA: 3:26 - loss: 0.4331 - acc: 0.8485 - auroc: 0.685 - ETA: 3:24 - loss: 0.4337 - acc: 0.8484 - auroc: 0.685 - ETA: 3:21 - loss: 0.

```
0100 - auroc: 0.685 - ETA: 3:21 - loss: 0.4337 - acc: 0.8101 - auroc: 0.685 - ETA: 3:21 - loss: 0.
4339 - acc: 0.8482 - auroc: 0.685 - ETA: 3:20 - loss: 0.4339 - acc: 0.8483 - auroc: 0.685 - ETA: 3
:18 - loss: 0.4341 - acc: 0.8482 - auroc: 0.685 - ETA: 3:16 - loss: 0.4343 - acc: 0.8481 - auroc:
0.685 - ETA: 3:15 - loss: 0.4344 - acc: 0.8481 - auroc: 0.685 - ETA: 3:13 - loss: 0.4345 - acc: 0.
8481 - auroc: 0.685 - ETA: 3:11 - loss: 0.4347 - acc: 0.8480 - auroc: 0.685 - ETA: 3:10 - loss: 0.
4348 - acc: 0.8481 - auroc: 0.685 - ETA: 3:08 - loss: 0.4350 - acc: 0.8479 - auroc: 0.685 - ETA: 3
:06 - loss: 0.4350 - acc: 0.8479 - auroc: 0.686 - ETA: 3:04 - loss: 0.4348 - acc: 0.8480 - auroc:
0.686 - ETA: 3:03 - loss: 0.4348 - acc: 0.8481 - auroc: 0.686 - ETA: 3:01 - loss: 0.4349 - acc: 0.
8481 - auroc: 0.686 - ETA: 2:59 - loss: 0.4348 - acc: 0.8481 - auroc: 0.686 - ETA: 2:57 - loss: 0.
4346 - acc: 0.8482 - auroc: 0.686 - ETA: 2:55 - loss: 0.4348 - acc: 0.8482 - auroc: 0.686 - ETA: 2
:54 - loss: 0.4348 - acc: 0.8481 - auroc: 0.686 - ETA: 2:52 - loss: 0.4348 - acc: 0.8482 - auroc:
0.686 - ETA: 2:50 - loss: 0.4350 - acc: 0.8480 - auroc: 0.686 - ETA: 2:48 - loss: 0.4350 - acc: 0.
8480 - auroc: 0.686 - ETA: 2:46 - loss: 0.4351 - acc: 0.8480 - auroc: 0.686 - ETA: 2:44 - loss: 0.
4350 - acc: 0.8481 - auroc: 0.686 - ETA: 2:42 - loss: 0.4351 - acc: 0.8481 - auroc: 0.686 - ETA: 2
:40 - loss: 0.4353 - acc: 0.8479 - auroc: 0.686 - ETA: 2:38 - loss: 0.4353 - acc: 0.8479 - auroc:
0.686 - ETA: 2:36 - loss: 0.4354 - acc: 0.8479 - auroc: 0.686 - ETA: 2:34 - loss: 0.4354 - acc: 0.
8479 - auroc: 0.686 - ETA: 2:32 - loss: 0.4354 - acc: 0.8480 - auroc: 0.686 - ETA: 2:30 - loss: 0.
4355 - acc: 0.8479 - auroc: 0.685 - ETA: 2:28 - loss: 0.4358 - acc: 0.8478 - auroc: 0.685 - ETA: 2
:26 - loss: 0.4358 - acc: 0.8478 - auroc: 0.685 - ETA: 2:24 - loss: 0.4359 - acc: 0.8478 - auroc:
0.685 - ETA: 2:22 - loss: 0.4359 - acc: 0.8478 - auroc: 0.685 - ETA: 2:20 - loss: 0.4358 - acc: 0.
8478 - auroc: 0.685 - ETA: 2:17 - loss: 0.4359 - acc: 0.8478 - auroc: 0.685 - ETA: 2:15 - loss: 0.
4359 - acc: 0.8478 - auroc: 0.685 - ETA: 2:13 - loss: 0.4359 - acc: 0.8478 - auroc: 0.685 - ETA: 2
:11 - loss: 0.4359 - acc: 0.8478 - auroc: 0.685 - ETA: 2:09 - loss: 0.4362 - acc: 0.8476 - auroc:
0.685 - ETA: 2:07 - loss: 0.4361 - acc: 0.8476 - auroc: 0.686 - ETA: 2:04 - loss: 0.4360 - acc: 0.
8476 - auroc: 0.686 - ETA: 2:02 - loss: 0.4361 - acc: 0.8476 - auroc: 0.686 - ETA: 2:00 - loss: 0.
4360 - acc: 0.8476 - auroc: 0.686 - ETA: 1:58 - loss: 0.4361 - acc: 0.8476 - auroc: 0.686 - ETA: 1
:55 - loss: 0.4361 - acc: 0.8476 - auroc: 0.686 - ETA: 1:53 - loss: 0.4359 - acc: 0.8477 - auroc:
0.686 - ETA: 1:51 - loss: 0.4358 - acc: 0.8478 - auroc: 0.686 - ETA: 1:48 - loss: 0.4359 - acc: 0.
8477 - auroc: 0.686 - ETA: 1:46 - loss: 0.4359 - acc: 0.8477 - auroc: 0.686 - ETA: 1:44 - loss: 0.
4358 - acc: 0.8478 - auroc: 0.686 - ETA: 1:41 - loss: 0.4358 - acc: 0.8478 - auroc: 0.686 - ETA: 1
:39 - loss: 0.4358 - acc: 0.8478 - auroc: 0.686 - ETA: 1:37 - loss: 0.4357 - acc: 0.8479 - auroc:
0.686 - ETA: 1:34 - loss: 0.4356 - acc: 0.8480 - auroc: 0.686 - ETA: 1:32 - loss: 0.4356 - acc: 0.
8480 - auroc: 0.686 - ETA: 1:29 - loss: 0.4355 - acc: 0.8480 - auroc: 0.686 - ETA: 1:27 - loss: 0.
4355 - acc: 0.8481 - auroc: 0.685 - ETA: 1:25 - loss: 0.4357 - acc: 0.8480 - auroc: 0.685 - ETA: 1
:22 - loss: 0.4357 - acc: 0.8480 - auroc: 0.686 - ETA: 1:20 - loss: 0.4359 - acc: 0.8479 - auroc:
0.685 - ETA: 1:17 - loss: 0.4358 - acc: 0.8479 - auroc: 0.686 - ETA: 1:15 - loss: 0.4358 - acc: 0.
8479 - auroc: 0.685 - ETA: 1:12 - loss: 0.4358 - acc: 0.8479 - auroc: 0.685 - ETA: 1:10 - loss: 0.
4358 - acc: 0.8479 - auroc: 0.685 - ETA: 1:07 - loss: 0.4360 - acc: 0.8479 - auroc: 0.685 - ETA: 1
:05 - loss: 0.4358 - acc: 0.8479 - auroc: 0.685 - ETA: 1:02 - loss: 0.4357 - acc: 0.8480 - auroc:
0.685 - ETA: 1:00 - loss: 0.4358 - acc: 0.8480 - auroc: 0.685 - ETA: 57s - loss: 0.4356 - acc: 0.8
481 - auroc: 0.685 - ETA: 54s - loss: 0.4356 - acc: 0.8481 - auroc: 0.68 - ETA: 52s - loss: 0.4356
- acc: 0.8482 - auroc: 0.68 - ETA: 49s - loss: 0.4356 - acc: 0.8482 - auroc: 0.68 - ETA: 47s - los
s: 0.4356 - acc: 0.8482 - auroc: 0.68 - ETA: 44s - loss: 0.4355 - acc: 0.8482 - auroc: 0.68 - ETA:
41s - loss: 0.4355 - acc: 0.8482 - auroc: 0.68 - ETA: 39s - loss: 0.4355 - acc: 0.8482 - auroc: 0.
68 - ETA: 36s - loss: 0.4355 - acc: 0.8482 - auroc: 0.68 - ETA: 33s - loss: 0.4354 - acc: 0.8483 -
auroc: 0.68 - ETA: 31s - loss: 0.4351 - acc: 0.8484 - auroc: 0.68 - ETA: 28s - loss: 0.4349 - acc:
0.8485 - auroc: 0.68 - ETA: 25s - loss: 0.4348 - acc: 0.8486 - auroc: 0.68 - ETA: 22s - loss: 0.43
47 - acc: 0.8486 - auroc: 0.68 - ETA: 20s - loss: 0.4347 - acc: 0.8486 - auroc: 0.68 - ETA: 17s -
loss: 0.4347 - acc: 0.8486 - auroc: 0.68 - ETA: 14s - loss: 0.4346 - acc: 0.8487 - auroc: 0.68 - E
TA: 11s - loss: 0.4347 - acc: 0.8486 - auroc: 0.68 - ETA: 9s - loss: 0.4347 - acc: 0.8486 - auroc:
0.6863 - ETA: 6s - loss: 0.4347 - acc: 0.8486 - auroc: 0.686 - ETA: 3s - loss: 0.4347 - acc: 0.848
6 - auroc: 0.686 - ETA: 0s - loss: 0.4347 - acc: 0.8486 - auroc: 0.686 - 1734s 25ms/step - loss: 0
.4347 - acc: 0.8486 - auroc: 0.6864 - val_loss: 0.4290 - val_acc: 0.8486 - val_auroc: 0.7073
Epoch 7/15
18688/69918 [=======>......................] - ETA: 53:02 - loss: 0.4807 - acc: 0.8281 - auroc: 0.
63 - ETA: 52:26 - loss: 0.4345 - acc: 0.8477 - auroc: 0.70 - ETA: 52:27 - loss: 0.4562 - acc: 0.82
81 - auroc: 0.71 - ETA: 51:57 - loss: 0.4531 - acc: 0.8320 - auroc: 0.71 - ETA: 51:43 - loss: 0.44
10 - acc: 0.8359 - auroc: 0.72 - ETA: 51:36 - loss: 0.4250 - acc: 0.8477 - auroc: 0.72 - ETA: 51:2
1 - loss: 0.4193 - acc: 0.8504 - auroc: 0.73 - ETA: 51:18 - loss: 0.4217 - acc: 0.8486 - auroc: 0.
73 - ETA: 51:14 - loss: 0.4384 - acc: 0.8438 - auroc: 0.72 - ETA: 51:10 - loss: 0.4339 - acc: 0.84
77 - auroc: 0.71 - ETA: 51:06 - loss: 0.4286 - acc: 0.8487 - auroc: 0.72 - ETA: 50:59 - loss: 0.42
79 - acc: 0.8490 - auroc: 0.72 - ETA: 50:50 - loss: 0.4252 - acc: 0.8516 - auroc: 0.72 - ETA: 50:4
4 - loss: 0.4237 - acc: 0.8516 - auroc: 0.73 - ETA: 50:36 - loss: 0.4256 - acc: 0.8505 - auroc: 0.
72 - ETA: 50:28 - loss: 0.4256 - acc: 0.8511 - auroc: 0.72 - ETA: 50:18 - loss: 0.4243 - acc: 0.85
20 - auroc: 0.72 - ETA: 50:12 - loss: 0.4232 - acc: 0.8533 - auroc: 0.72 - ETA: 50:05 - loss: 0.42
07 - acc: 0.8553 - auroc: 0.71 - ETA: 49:57 - loss: 0.4261 - acc: 0.8523 - auroc: 0.71 - ETA: 49:5
1 - loss: 0.4295 - acc: 0.8512 - auroc: 0.71 - ETA: 49:44 - loss: 0.4285 - acc: 0.8519 - auroc: 0.
70 - ETA: 49:36 - loss: 0.4265 - acc: 0.8529 - auroc: 0.70 - ETA: 49:31 - loss: 0.4285 - acc: 0.85
12 - auroc: 0.70 - ETA: 49:25 - loss: 0.4298 - acc: 0.8494 - auroc: 0.71 - ETA: 49:17 - loss: 0.42
87 - acc: 0.8495 - auroc: 0.71 - ETA: 49:12 - loss: 0.4286 - acc: 0.8492 - auroc: 0.71 - ETA: 49:0
6 - loss: 0.4264 - acc: 0.8507 - auroc: 0.71 - ETA: 49:00 - loss: 0.4249 - acc: 0.8518 - auroc: 0.
71 - ETA: 48:54 - loss: 0.4272 - acc: 0.8513 - auroc: 0.71 - ETA: 48:49 - loss: 0.4235 - acc: 0.85
36 - auroc: 0.71 - ETA: 48:44 - loss: 0.4265 - acc: 0.8525 - auroc: 0.70 - ETA: 48:38 - loss: 0.42
63 - acc: 0.8523 - auroc: 0.71 - ETA: 48:32 - loss: 0.4277 - acc: 0.8516 - auroc: 0.71 - ETA: 48:2
7 - loss: 0.4304 - acc: 0.8500 - auroc: 0.70 - ETA: 48:22 - loss: 0.4314 - acc: 0.8496 - auroc: 0.
70 - ETA: 48:14 - loss: 0.4315 - acc: 0.8492 - auroc: 0.70 - ETA: 48:09 - loss: 0.4318 - acc: 0.84
87 - auroc: 0.71 - ETA: 48:02 - loss: 0.4326 - acc: 0.8486 - auroc: 0.70 - ETA: 47:58 - loss: 0.43
43 - acc: 0.8475 - auroc: 0.70 - ETA: 47:52 - loss: 0.4347 - acc: 0.8472 - auroc: 0.70 - ETA: 47:4
```

45 - acc: 0.8475 - auroc: 0.70 - ETA: 47:52 - loss: 0.4347 - acc: 0.8472 - auroc: 0.70 - ETA: 47:4
7 - loss: 0.4357 - acc: 0.8469 - auroc: 0.70 - ETA: 47:42 - loss: 0.4364 - acc: 0.8467 - auroc: 0.
70 - ETA: 47:37 - loss: 0.4364 - acc: 0.8466 - auroc: 0.70 - ETA: 47:31 - loss: 0.4381 - acc: 0.84
58 - auroc: 0.70 - ETA: 47:25 - loss: 0.4397 - acc: 0.8446 - auroc: 0.70 - ETA: 47:20 - loss: 0.44
07 - acc: 0.8441 - auroc: 0.70 - ETA: 47:14 - loss: 0.4405 - acc: 0.8439 - auroc: 0.70 - ETA: 47:0
9 - loss: 0.4406 - acc: 0.8439 - auroc: 0.70 - ETA: 47:02 - loss: 0.4396 - acc: 0.8447 - auroc: 0.
70 - ETA: 46:57 - loss: 0.4382 - acc: 0.8456 - auroc: 0.69 - ETA: 46:49 - loss: 0.4371 - acc: 0.84
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73 - acc: 0.8462 - auroc: 0.69 - ETA: 46:32 - loss: 0.4379 - acc: 0.8460 - auroc: 0.69 - ETA: 46:2
6 - loss: 0.4376 - acc: 0.8458 - auroc: 0.69 - ETA: 46:19 - loss: 0.4373 - acc: 0.8458 - auroc: 0.
69 - ETA: 46:12 - loss: 0.4368 - acc: 0.8460 - auroc: 0.69 - ETA: 46:04 - loss: 0.4377 - acc: 0.84
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70 - acc: 0.8457 - auroc: 0.69 - ETA: 45:49 - loss: 0.4384 - acc: 0.8448 - auroc: 0.69 - ETA: 45:4
4 - loss: 0.4390 - acc: 0.8446 - auroc: 0.69 - ETA: 45:38 - loss: 0.4382 - acc: 0.8451 - auroc: 0.
69 - ETA: 45:33 - loss: 0.4372 - acc: 0.8454 - auroc: 0.69 - ETA: 45:27 - loss: 0.4382 - acc: 0.84
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78 - acc: 0.8449 - auroc: 0.69 - ETA: 45:10 - loss: 0.4372 - acc: 0.8451 - auroc: 0.69 - ETA: 45:0
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47 - acc: 0.8458 - auroc: 0.69 - ETA: 43:53 - loss: 0.4354 - acc: 0.8454 - auroc: 0.69 - ETA: 43:4
8 - loss: 0.4355 - acc: 0.8449 - auroc: 0.69 - ETA: 43:42 - loss: 0.4340 - acc: 0.8456 - auroc: 0.
69 - ETA: 43:37 - loss: 0.4336 - acc: 0.8455 - auroc: 0.70 - ETA: 43:31 - loss: 0.4334 - acc: 0.84
56 - auroc: 0.70 - ETA: 43:26 - loss: 0.4330 - acc: 0.8458 - auroc: 0.70 - ETA: 43:20 - loss: 0.43
21 - acc: 0.8464 - auroc: 0.70 - ETA: 43:15 - loss: 0.4325 - acc: 0.8463 - auroc: 0.70 - ETA: 43:0
9 - loss: 0.4330 - acc: 0.8462 - auroc: 0.70 - ETA: 43:03 - loss: 0.4333 - acc: 0.8462 - auroc: 0.
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57 - auroc: 0.70 - ETA: 42:45 - loss: 0.4337 - acc: 0.8456 - auroc: 0.70 - ETA: 42:40 - loss: 0.43
28 - acc: 0.8463 - auroc: 0.70 - ETA: 42:34 - loss: 0.4327 - acc: 0.8465 - auroc: 0.70 - ETA: 42:2
8 - loss: 0.4324 - acc: 0.8467 - auroc: 0.70 - ETA: 42:23 - loss: 0.4319 - acc: 0.8469 - auroc: 0.
70 - ETA: 42:17 - loss: 0.4306 - acc: 0.8477 - auroc: 0.70 - ETA: 42:12 - loss: 0.4321 - acc: 0.84
67 - auroc: 0.70 - ETA: 42:06 - loss: 0.4315 - acc: 0.8472 - auroc: 0.70 - ETA: 42:00 - loss: 0.43
18 - acc: 0.8470 - auroc: 0.70 - ETA: 41:55 - loss: 0.4323 - acc: 0.8468 - auroc: 0.69 - ETA: 41:4
8 - loss: 0.4325 - acc: 0.8467 - auroc: 0.69 - ETA: 41:43 - loss: 0.4326 - acc: 0.8466 - auroc: 0.
69 - ETA: 41:37 - loss: 0.4318 - acc: 0.8470 - auroc: 0.69 - ETA: 41:32 - loss: 0.4315 - acc: 0.84
71 - auroc: 0.69 - ETA: 41:26 - loss: 0.4317 - acc: 0.8469 - auroc: 0.70 - ETA: 41:21 - loss: 0.43
27 - acc: 0.8464 - auroc: 0.70 - ETA: 41:15 - loss: 0.4326 - acc: 0.8464 - auroc: 0.70 - ETA: 41:0
9 - loss: 0.4332 - acc: 0.8462 - auroc: 0.69 - ETA: 41:03 - loss: 0.4329 - acc: 0.8464 - auroc: 0.
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64 - auroc: 0.69 - ETA: 40:46 - loss: 0.4331 - acc: 0.8463 - auroc: 0.69 - ETA: 40:41 - loss: 0.43
30 - acc: 0.8464 - auroc: 0.69 - ETA: 40:35 - loss: 0.4322 - acc: 0.8469 - auroc: 0.69 - ETA: 40:3
0 - loss: 0.4327 - acc: 0.8467 - auroc: 0.69 - ETA: 40:25 - loss: 0.4332 - acc: 0.8464 - auroc: 0.
69 - ETA: 40:19 - loss: 0.4327 - acc: 0.8467 - auroc: 0.69 - ETA: 40:13 - loss: 0.4334 - acc: 0.84
62 - auroc: 0.69 - ETA: 40:08 - loss: 0.4335 - acc: 0.8462 - auroc: 0.69 - ETA: 40:01 - loss: 0.43
29 - acc: 0.8467 - auroc: 0.69 - ETA: 39:56 - loss: 0.4329 - acc: 0.8468 - auroc: 0.69 - ETA: 39:5
0 - loss: 0.4327 - acc: 0.8468 - auroc: 0.69 - ETA: 39:45 - loss: 0.4323 - acc: 0.8471 - auroc: 0.
69 - ETA: 39:39 - loss: 0.4323 - acc: 0.8470 - auroc: 0.69 - ETA: 39:33 - loss: 0.4318 - acc: 0.84
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11 - acc: 0.8477 - auroc: 0.69 - ETA: 39:16 - loss: 0.4311 - acc: 0.8476 - auroc: 0.69 - ETA: 39:1
0 - loss: 0.4307 - acc: 0.8478 - auroc: 0.69 - ETA: 39:05 - loss: 0.4308 - acc: 0.8477 - auroc: 0.
69 - ETA: 38:59 - loss: 0.4305 - acc: 0.8478 - auroc: 0.69 - ETA: 38:53 - loss: 0.4306 - acc: 0.84
77 - auroc: 0.69 - ETA: 38:48 - loss: 0.4303 - acc: 0.8479 - auroc: 0.69 - ETA: 38:42 - loss: 0.43
08 - acc: 0.8475 - auroc: 0.69 - ETA: 38:36 - loss: 0.4312 - acc: 0.8471 - auroc: 0.69 - ETA: 38:3
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69 - ETA: 38:19 - loss: 0.4309 - acc: 0.8470 - auroc: 0.69 - ETA: 38:13 - loss: 0.4307 - acc: 0.84
71 - auroc: 0.69 - ETA: 38:08 - loss: 0.4312 - acc: 0.8467 - auroc: 0.69 - ETA: 38:02 - loss: 0.43
12 - acc: 0.8467 - auroc: 0.69 - ETA: 37:57 - loss: 0.4311 - acc: 0.8468 - auroc:
0.698437376/69918 [===============>..............] - ETA: 37:51 - loss: 0.4305 - acc: 0.8473 - aur
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: 0.4298 - acc: 0.8477 - auroc: 0.69 - ETA: 37:23 - loss: 0.4295 - acc: 0.8479 - auroc: 0.69 - ETA
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: 0.8473 - auroc: 0.69 - ETA: 36:55 - loss: 0.4311 - acc: 0.8472 - auroc: 0.69 - ETA: 36:49 - loss
: 0.4315 - acc: 0.8472 - auroc: 0.69 - ETA: 36:43 - loss: 0.4318 - acc: 0.8470 - auroc: 0.69 - ETA
: 36:38 - loss: 0.4319 - acc: 0.8470 - auroc: 0.69 - ETA: 36:32 - loss: 0.4323 - acc: 0.8468 - aur
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: 35:19 - loss: 0.4298 - acc: 0.8482 - auroc: 0.69 - ETA: 35:14 - loss: 0.4298 - acc: 0.8483 - aur

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: 0.4267 - acc: 0.8500 - auroc: 0.69 - ETA: 32:47 - loss: 0.4274 - acc: 0.8498 - auroc: 0.69 - ETA
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: 0.8500 - auroc: 0.69 - ETA: 32:19 - loss: 0.4271 - acc: 0.8501 - auroc: 0.69 - ETA: 32:13 - loss
: 0.4271 - acc: 0.8501 - auroc: 0.69 - ETA: 32:08 - loss: 0.4272 - acc: 0.8500 - auroc: 0.69 - ETA
: 32:02 - loss: 0.4272 - acc: 0.8501 - auroc: 0.69 - ETA: 31:56 - loss: 0.4270 - acc: 0.8500 - aur
oc: 0.69 - ETA: 31:50 - loss: 0.4272 - acc: 0.8499 - auroc: 0.69 - ETA: 31:45 - loss: 0.4273 - acc
: 0.8498 - auroc: 0.69 - ETA: 31:39 - loss: 0.4272 - acc: 0.8498 - auroc: 0.69 - ETA: 31:33 - loss
: 0.4267 - acc: 0.8500 - auroc: 0.69 - ETA: 31:28 - loss: 0.4268 - acc: 0.8500 - auroc: 0.69 - ETA
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: 0.8495 - auroc: 0.69 - ETA: 31:00 - loss: 0.4277 - acc: 0.8496 - auroc: 0.69 - ETA: 30:54 - loss
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: 30:02 - loss: 0.4303 - acc: 0.8485 - auroc: 0.69 - ETA: 29:56 - loss: 0.4304 - acc: 0.8485 - aur
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: 0.4306 - acc: 0.8483 - auroc: 0.69 - ETA: 29:28 - loss: 0.4305 - acc: 0.8484 - auroc: 0.69 - ETA
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oc: 0.69 - ETA: 28:31 - loss: 0.4303 - acc: 0.8486 - auroc: 0.69 - ETA: 28:25 - loss: 0.4304 - acc
: 0.8486 - auroc: 0.69 - ETA: 28:19 - loss: 0.4306 - acc: 0.8486 - auroc: 0.69 - ETA: 28:13 - loss
: 0.4309 - acc: 0.8484 - auroc: 0.69 - ETA: 28:08 - loss: 0.4310 - acc: 0.8483 - auroc: 0.69 - ETA
: 28:02 - loss: 0.4313 - acc: 0.8482 - auroc: 0.69 - ETA: 27:56 - loss: 0.4312 - acc: 0.8482 - aur
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: 0.8484 - auroc: 0.69 - ETA: 27:39 - loss: 0.4312 - acc: 0.8483 - auroc: 0.69 - ETA: 27:34 - loss
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: 0.4319 - acc: 0.8480 - auroc: 0.69 - ETA: 26:49 - loss: 0.4322 - acc: 0.8478 - auroc: 0.69 - ETA
: 26:43 - loss: 0.4321 - acc: 0.8478 - auroc: 0.69 - ETA: 26:38 - loss: 0.4320 - acc: 0.8478 - aur
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: 0.4320 - acc: 0.8478 - auroc: 0.69 - ETA: 26:09 - loss: 0.4317 - acc: 0.8479 - auroc: 0.69 - ETA
: 26:03 - loss: 0.4318 - acc: 0.8478 - auroc: 0.69 - ETA: 25:57 - loss: 0.4321 - acc: 0.8477 - aur
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: 0.8476 - auroc: 0.69 - ETA: 25:40 - loss: 0.4326 - acc: 0.8475 - auroc: 0.69 - ETA: 25:35 - loss
: 0.4328 - acc: 0.8473 - auroc: 0.69 - ETA: 25:29 - loss: 0.4327 - acc: 0.8473 - auroc: 0.69 - ETA
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oc: 0.69 - ETA: 25:12 - loss: 0.4326 - acc: 0.8474 - auroc: 0.69 - ETA: 25:06 - loss: 0.4324 - acc
: 0.8476 - auroc: 0.69 - ETA: 25:01 - loss: 0.4324 - acc: 0.8476 - auroc: 0.69 - ETA: 24:55 - loss
: 0.4322 - acc: 0.8477 - auroc: 0.69 - ETA: 24:49 - loss: 0.4325 - acc: 0.8476 - auroc: 0.69 - ETA
: 24:43 - loss: 0.4325 - acc: 0.8477 - auroc: 0.69 - ETA: 24:38 - loss: 0.4324 - acc: 0.8477 - aur
oc: 0.69 - ETA: 24:32 - loss: 0.4324 - acc: 0.8477 - auroc: 0.69 - ETA: 24:27 - loss: 0.4324 - acc
: 0.8477 - auroc: 0.69 - ETA: 24:21 - loss: 0.4326 - acc: 0.8477 - auroc: 0.69 - ETA: 24:15 - loss
: 0.4326 - acc: 0.8476 - auroc: 0.69 - ETA: 24:10 - loss: 0.4326 - acc: 0.8476 - auroc:
0.696456064/69918 [======================>......] - ETA: 24:04 - loss: 0.4323 - acc: 0.8478 - aur
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: 0.8479 - auroc: 0.69 - ETA: 23:47 - loss: 0.4323 - acc: 0.8478 - auroc: 0.69 - ETA: 23:41 - loss
: 0.4320 - acc: 0.8480 - auroc: 0.69 - ETA: 23:36 - loss: 0.4322 - acc: 0.8479 - auroc: 0.69 - ETA
: 23:30 - loss: 0.4322 - acc: 0.8479 - auroc: 0.69 - ETA: 23:24 - loss: 0.4321 - acc: 0.8479 - aur
oc: 0.69 - ETA: 23:19 - loss: 0.4322 - acc: 0.8479 - auroc: 0.69 - ETA: 23:13 - loss: 0.4321 - acc
: 0.8480 - auroc: 0.69 - ETA: 23:07 - loss: 0.4322 - acc: 0.8479 - auroc: 0.69 - ETA: 23:01 - loss
: 0.4322 - acc: 0.8478 - auroc: 0.69 - ETA: 22:56 - loss: 0.4323 - acc: 0.8478 - auroc: 0.69 - ETA
: 22:50 - loss: 0.4325 - acc: 0.8476 - auroc: 0.69 - ETA: 22:44 - loss: 0.4327 - acc: 0.8475 - aur
oc: 0.69 - ETA: 22:39 - loss: 0.4328 - acc: 0.8474 - auroc: 0.69 - ETA: 22:33 - loss: 0.4330 - acc

oc: 0.69 - ETA: 22:39 - loss: 0.4328 - acc: 0.8474 - auroc: 0.69 - ETA: 22:33 - loss: 0.4330 - acc
: 0.8472 - auroc: 0.69 - ETA: 22:27 - loss: 0.4332 - acc: 0.8471 - auroc: 0.69 - ETA: 22:21 - loss
: 0.4332 - acc: 0.8471 - auroc: 0.69 - ETA: 22:16 - loss: 0.4330 - acc: 0.8472 - auroc: 0.69 - ETA
: 22:10 - loss: 0.4333 - acc: 0.8470 - auroc: 0.69 - ETA: 22:04 - loss: 0.4330 - acc: 0.8472 - aur
oc: 0.69 - ETA: 21:59 - loss: 0.4329 - acc: 0.8473 - auroc: 0.69 - ETA: 21:53 - loss: 0.4330 - acc
: 0.8473 - auroc: 0.69 - ETA: 21:47 - loss: 0.4330 - acc: 0.8472 - auroc: 0.69 - ETA: 21:41 - loss
: 0.4327 - acc: 0.8475 - auroc: 0.69 - ETA: 21:36 - loss: 0.4328 - acc: 0.8474 - auroc: 0.69 - ETA
: 21:30 - loss: 0.4327 - acc: 0.8475 - auroc: 0.69 - ETA: 21:24 - loss: 0.4328 - acc: 0.8474 - aur
oc: 0.69 - ETA: 21:18 - loss: 0.4327 - acc: 0.8475 - auroc: 0.69 - ETA: 21:13 - loss: 0.4326 - acc
: 0.8475 - auroc: 0.69 - ETA: 21:07 - loss: 0.4326 - acc: 0.8475 - auroc: 0.69 - ETA: 21:01 - loss
: 0.4324 - acc: 0.8475 - auroc: 0.69 - ETA: 20:56 - loss: 0.4324 - acc: 0.8474 - auroc: 0.69 - ETA
: 20:50 - loss: 0.4321 - acc: 0.8476 - auroc: 0.69 - ETA: 20:44 - loss: 0.4320 - acc: 0.8477 - aur
oc: 0.69 - ETA: 20:38 - loss: 0.4319 - acc: 0.8477 - auroc: 0.69 - ETA: 20:33 - loss: 0.4317 - acc
: 0.8478 - auroc: 0.69 - ETA: 20:27 - loss: 0.4317 - acc: 0.8477 - auroc: 0.69 - ETA: 20:21 - loss
: 0.4320 - acc: 0.8477 - auroc: 0.69 - ETA: 20:16 - loss: 0.4316 - acc: 0.8479 - auroc: 0.69 - ETA
: 20:10 - loss: 0.4314 - acc: 0.8479 - auroc: 0.69 - ETA: 20:04 - loss: 0.4313 - acc: 0.8479 - aur
oc: 0.69 - ETA: 19:58 - loss: 0.4311 - acc: 0.8480 - auroc: 0.69 - ETA: 19:53 - loss: 0.4311 - acc
: 0.8480 - auroc: 0.69 - ETA: 19:47 - loss: 0.4312 - acc: 0.8479 - auroc: 0.69 - ETA: 19:41 - loss
: 0.4312 - acc: 0.8479 - auroc: 0.69 - ETA: 19:36 - loss: 0.4311 - acc: 0.8479 - auroc: 0.69 - ETA
: 19:30 - loss: 0.4310 - acc: 0.8480 - auroc: 0.69 - ETA: 19:24 - loss: 0.4310 - acc: 0.8480 - aur
oc: 0.69 - ETA: 19:19 - loss: 0.4312 - acc: 0.8478 - auroc: 0.69 - ETA: 19:13 - loss: 0.4313 - acc
: 0.8479 - auroc: 0.69 - ETA: 19:07 - loss: 0.4312 - acc: 0.8479 - auroc: 0.69 - ETA: 19:01 - loss
: 0.4314 - acc: 0.8478 - auroc: 0.69 - ETA: 18:56 - loss: 0.4316 - acc: 0.8477 - auroc: 0.69 - ETA
: 18:50 - loss: 0.4314 - acc: 0.8478 - auroc: 0.69 - ETA: 18:44 - loss: 0.4313 - acc: 0.8479 - aur
oc: 0.69 - ETA: 18:39 - loss: 0.4313 - acc: 0.8479 - auroc: 0.69 - ETA: 18:33 - loss: 0.4314 - acc
: 0.8479 - auroc: 0.69 - ETA: 18:27 - loss: 0.4315 - acc: 0.8479 - auroc: 0.69 - ETA: 18:21 - loss
: 0.4315 - acc: 0.8479 - auroc: 0.69 - ETA: 18:16 - loss: 0.4316 - acc: 0.8478 - auroc: 0.69 - ETA
: 18:10 - loss: 0.4316 - acc: 0.8478 - auroc: 0.69 - ETA: 18:04 - loss: 0.4315 - acc: 0.8478 - aur
oc: 0.69 - ETA: 17:59 - loss: 0.4316 - acc: 0.8478 - auroc: 0.69 - ETA: 17:53 - loss: 0.4316 - acc
: 0.8478 - auroc: 0.69 - ETA: 17:47 - loss: 0.4314 - acc: 0.8478 - auroc: 0.69 - ETA: 17:41 - loss
: 0.4317 - acc: 0.8477 - auroc: 0.69 - ETA: 17:36 - loss: 0.4318 - acc: 0.8476 - auroc: 0.69 - ETA
: 17:30 - loss: 0.4318 - acc: 0.8477 - auroc: 0.69 - ETA: 17:24 - loss: 0.4319 - acc: 0.8476 - aur
oc: 0.69 - ETA: 17:19 - loss: 0.4318 - acc: 0.8476 - auroc: 0.69 - ETA: 17:13 - loss: 0.4320 - acc
: 0.8475 - auroc: 0.69 - ETA: 17:07 - loss: 0.4320 - acc: 0.8475 - auroc: 0.69 - ETA: 17:02 - loss
: 0.4319 - acc: 0.8476 - auroc: 0.69 - ETA: 16:56 - loss: 0.4318 - acc: 0.8477 - auroc: 0.69 - ETA
: 16:50 - loss: 0.4317 - acc: 0.8477 - auroc: 0.69 - ETA: 16:44 - loss: 0.4319 - acc: 0.8476 - aur
oc: 0.69 - ETA: 16:39 - loss: 0.4319 - acc: 0.8476 - auroc: 0.69 - ETA: 16:33 - loss: 0.4317 - acc
: 0.8477 - auroc: 0.69 - ETA: 16:27 - loss: 0.4318 - acc: 0.8477 - auroc: 0.69 - ETA: 16:21 - loss
: 0.4316 - acc: 0.8478 - auroc: 0.69 - ETA: 16:16 - loss: 0.4315 - acc: 0.8479 - auroc: 0.69 - ETA
: 16:10 - loss: 0.4317 - acc: 0.8478 - auroc: 0.69 - ETA: 16:04 - loss: 0.4316 - acc: 0.8478 - aur
oc: 0.69 - ETA: 15:59 - loss: 0.4316 - acc: 0.8478 - auroc: 0.69 - ETA: 15:53 - loss: 0.4316 - acc
: 0.8479 - auroc: 0.69 - ETA: 15:47 - loss: 0.4321 - acc: 0.8476 - auroc: 0.69 - ETA: 15:41 - loss
: 0.4321 - acc: 0.8476 - auroc: 0.69 - ETA: 15:36 - loss: 0.4319 - acc: 0.8476 - auroc: 0.69 - ETA
: 15:30 - loss: 0.4320 - acc: 0.8477 - auroc: 0.69 - ETA: 15:24 - loss: 0.4320 - acc: 0.8476 - aur
oc: 0.69 - ETA: 15:19 - loss: 0.4321 - acc: 0.8475 - auroc: 0.69 - ETA: 15:13 - loss: 0.4320 - acc
: 0.8476 - auroc: 0.69 - ETA: 15:07 - loss: 0.4321 - acc: 0.8475 - auroc: 0.69 - ETA: 15:02 - loss
: 0.4320 - acc: 0.8476 - auroc: 0.69 - ETA: 14:56 - loss: 0.4320 - acc: 0.8476 - auroc: 0.69 - ETA
: 14:50 - loss: 0.4321 - acc: 0.8476 - auroc: 0.69 - ETA: 14:44 - loss: 0.4319 - acc: 0.8477 - aur
oc: 0.69 - ETA: 14:39 - loss: 0.4320 - acc: 0.8477 - auroc: 0.69 - ETA: 14:33 - loss: 0.4319 - acc
: 0.8477 - auroc: 0.69 - ETA: 14:27 - loss: 0.4316 - acc: 0.8479 - auroc: 0.69 - ETA: 14:22 - loss
: 0.4318 - acc: 0.8478 - auroc: 0.69 - ETA: 14:16 - loss: 0.4317 - acc: 0.8479 - auroc: 0.69 - ETA
: 14:10 - loss: 0.4318 - acc: 0.8478 - auroc: 0.69 - ETA: 14:05 - loss: 0.4318 - acc: 0.8478 - aur
oc: 0.69 - ETA: 13:59 - loss: 0.4318 - acc: 0.8478 - auroc: 0.69 - ETA: 13:53 - loss: 0.4321 - acc
: 0.8476 - auroc: 0.69 - ETA: 13:47 - loss: 0.4323 - acc: 0.8475 - auroc: 0.69 - ETA: 13:42 - loss
: 0.4324 - acc: 0.8474 - auroc: 0.69 - ETA: 13:36 - loss: 0.4325 - acc: 0.8474 - auroc: 0.69 - ETA
: 13:30 - loss: 0.4326 - acc: 0.8473 - auroc: 0.69 - ETA: 13:25 - loss: 0.4327 - acc: 0.8472 - aur
oc: 0.69 - ETA: 13:19 - loss: 0.4326 - acc: 0.8472 - auroc: 0.69 - ETA: 13:13 - loss: 0.4327 - acc
: 0.8472 - auroc: 0.69 - ETA: 13:08 - loss: 0.4328 - acc: 0.8471 - auroc: 0.69 - ETA: 13:02 - loss
: 0.4331 - acc: 0.8470 - auroc: 0.69 - ETA: 12:56 - loss: 0.4329 - acc: 0.8471 - auroc: 0.69 - ETA
: 12:51 - loss: 0.4331 - acc: 0.8470 - auroc: 0.69 - ETA: 12:45 - loss: 0.4328 - acc: 0.8471 - aur
oc: 0.69 - ETA: 12:39 - loss: 0.4329 - acc: 0.8471 - auroc: 0.69 - ETA: 12:33 - loss: 0.4328 - acc
: 0.8471 - auroc: 0.69 - ETA: 12:28 - loss: 0.4328 - acc: 0.8471 - auroc: 0.69 - ETA: 12:22 - loss
: 0.4327 - acc: 0.8472 - auroc: 0.69 - ETA: 12:16 - loss: 0.4330 - acc: 0.8471 - auroc: 0.69 - ETA
: 12:11 - loss: 0.4330 - acc: 0.8472 - auroc: 0.69 - ETA: 12:05 - loss: 0.4330 - acc: 0.8472 - aur
oc: 0.69 - ETA: 11:59 - loss: 0.4327 - acc: 0.8473 - auroc: 0.69 - ETA: 11:54 - loss: 0.4328 - acc
: 0.8473 - auroc: 0.69 - ETA: 11:48 - loss: 0.4326 - acc: 0.8474 - auroc: 0.69 - ETA: 11:42 - loss
: 0.4323 - acc: 0.8475 - auroc: 0.69 - ETA: 11:36 - loss: 0.4326 - acc: 0.8474 - auroc: 0.69 - ETA
: 11:31 - loss: 0.4326 - acc: 0.8474 - auroc: 0.69 - ETA: 11:25 - loss: 0.4325 - acc: 0.8475 - aur
oc: 0.69 - ETA: 11:19 - loss: 0.4325 - acc: 0.8475 - auroc: 0.69 - ETA: 11:14 - loss: 0.4327 - acc
: 0.8474 - auroc: 0.69 - ETA: 11:08 - loss: 0.4326 - acc: 0.8475 - auroc: 0.69 - ETA: 11:02 - loss
: 0.4326 - acc: 0.8475 - auroc: 0.69 - ETA: 10:56 - loss: 0.4327 - acc: 0.8474 - auroc: 0.69 - ETA
: 10:51 - loss: 0.4325 - acc: 0.8476 - auroc: 0.69 - ETA: 10:45 - loss: 0.4325 - acc: 0.8476 - aur
oc: 0.69 - ETA: 10:39 - loss: 0.4324 - acc: 0.8477 - auroc: 0.69 - ETA: 10:34 - loss: 0.4322 - acc
: 0.8478 - auroc: 0.69 - ETA: 10:28 - loss: 0.4324 - acc: 0.8477 - auroc: 0.69 - ETA: 10:22 - loss
: 0.4323 - acc: 0.8478 - auroc: 0.69 - ETA: 10:17 - loss: 0.4322 - acc: 0.8479 - auroc:
0.696869918/69918 [==============================] - ETA: 10:11 - loss: 0.4321 - acc: 0.8479 - aur
oc: 0.69 - ETA: 10:05 - loss: 0.4323 - acc: 0.8479 - auroc: 0.69 - ETA: 10:00 - loss: 0.4323 - acc

: 0.8479 - auroc: 0.69 - ETA: 9:54 - loss: 0.4320 - acc: 0.8480 - auroc: 0.6966 - ETA: 9:48 - loss
: 0.4322 - acc: 0.8479 - auroc: 0.696 - ETA: 9:42 - loss: 0.4321 - acc: 0.8481 - auroc: 0.696 - ET
A: 9:37 - loss: 0.4322 - acc: 0.8480 - auroc: 0.696 - ETA: 9:31 - loss: 0.4321 - acc: 0.8481 - aur
oc: 0.695 - ETA: 9:25 - loss: 0.4322 - acc: 0.8481 - auroc: 0.695 - ETA: 9:20 - loss: 0.4322 - acc
: 0.8481 - auroc: 0.695 - ETA: 9:14 - loss: 0.4322 - acc: 0.8481 - auroc: 0.695 - ETA: 9:08 - loss
: 0.4321 - acc: 0.8482 - auroc: 0.695 - ETA: 9:03 - loss: 0.4320 - acc: 0.8482 - auroc: 0.695 - ET
A: 8:57 - loss: 0.4322 - acc: 0.8481 - auroc: 0.695 - ETA: 8:51 - loss: 0.4321 - acc: 0.8481 - aur
oc: 0.696 - ETA: 8:45 - loss: 0.4321 - acc: 0.8481 - auroc: 0.696 - ETA: 8:40 - loss: 0.4319 - acc
: 0.8482 - auroc: 0.696 - ETA: 8:34 - loss: 0.4318 - acc: 0.8483 - auroc: 0.696 - ETA: 8:28 - loss
: 0.4318 - acc: 0.8483 - auroc: 0.696 - ETA: 8:23 - loss: 0.4317 - acc: 0.8483 - auroc: 0.696 - ET
A: 8:17 - loss: 0.4315 - acc: 0.8484 - auroc: 0.696 - ETA: 8:11 - loss: 0.4315 - acc: 0.8484 - aur
oc: 0.696 - ETA: 8:06 - loss: 0.4316 - acc: 0.8483 - auroc: 0.697 - ETA: 8:00 - loss: 0.4318 - acc
: 0.8482 - auroc: 0.696 - ETA: 7:54 - loss: 0.4317 - acc: 0.8483 - auroc: 0.697 - ETA: 7:48 - loss
: 0.4316 - acc: 0.8484 - auroc: 0.697 - ETA: 7:43 - loss: 0.4317 - acc: 0.8484 - auroc: 0.696 - ET
A: 7:37 - loss: 0.4320 - acc: 0.8482 - auroc: 0.696 - ETA: 7:31 - loss: 0.4319 - acc: 0.8484 - aur
oc: 0.696 - ETA: 7:26 - loss: 0.4320 - acc: 0.8483 - auroc: 0.696 - ETA: 7:20 - loss: 0.4318 - acc
: 0.8484 - auroc: 0.697 - ETA: 7:14 - loss: 0.4318 - acc: 0.8485 - auroc: 0.697 - ETA: 7:09 - loss
: 0.4317 - acc: 0.8485 - auroc: 0.697 - ETA: 7:03 - loss: 0.4320 - acc: 0.8484 - auroc: 0.696 - ET
A: 6:57 - loss: 0.4320 - acc: 0.8484 - auroc: 0.696 - ETA: 6:51 - loss: 0.4319 - acc: 0.8485 - aur
oc: 0.696 - ETA: 6:46 - loss: 0.4320 - acc: 0.8485 - auroc: 0.696 - ETA: 6:40 - loss: 0.4322 - acc
: 0.8484 - auroc: 0.696 - ETA: 6:34 - loss: 0.4321 - acc: 0.8484 - auroc: 0.696 - ETA: 6:29 - loss
: 0.4322 - acc: 0.8484 - auroc: 0.696 - ETA: 6:23 - loss: 0.4324 - acc: 0.8483 - auroc: 0.696 - ET
A: 6:17 - loss: 0.4323 - acc: 0.8484 - auroc: 0.696 - ETA: 6:12 - loss: 0.4323 - acc: 0.8484 - aur
oc: 0.696 - ETA: 6:06 - loss: 0.4322 - acc: 0.8485 - auroc: 0.696 - ETA: 6:00 - loss: 0.4323 - acc
: 0.8485 - auroc: 0.696 - ETA: 5:54 - loss: 0.4322 - acc: 0.8486 - auroc: 0.696 - ETA: 5:49 - loss
: 0.4322 - acc: 0.8486 - auroc: 0.696 - ETA: 5:43 - loss: 0.4324 - acc: 0.8484 - auroc: 0.696 - ET
A: 5:37 - loss: 0.4325 - acc: 0.8484 - auroc: 0.696 - ETA: 5:32 - loss: 0.4326 - acc: 0.8483 - aur
oc: 0.696 - ETA: 5:26 - loss: 0.4326 - acc: 0.8484 - auroc: 0.696 - ETA: 5:20 - loss: 0.4325 - acc
: 0.8484 - auroc: 0.696 - ETA: 5:15 - loss: 0.4325 - acc: 0.8484 - auroc: 0.696 - ETA: 5:09 - loss
: 0.4325 - acc: 0.8485 - auroc: 0.695 - ETA: 5:03 - loss: 0.4323 - acc: 0.8485 - auroc: 0.696 - ET
A: 4:57 - loss: 0.4322 - acc: 0.8485 - auroc: 0.696 - ETA: 4:52 - loss: 0.4322 - acc: 0.8486 - aur
oc: 0.696 - ETA: 4:46 - loss: 0.4321 - acc: 0.8486 - auroc: 0.696 - ETA: 4:40 - loss: 0.4321 - acc
: 0.8487 - auroc: 0.696 - ETA: 4:35 - loss: 0.4321 - acc: 0.8487 - auroc: 0.696 - ETA: 4:29 - loss
: 0.4321 - acc: 0.8487 - auroc: 0.695 - ETA: 4:23 - loss: 0.4319 - acc: 0.8488 - auroc: 0.695 - ET
A: 4:17 - loss: 0.4319 - acc: 0.8488 - auroc: 0.695 - ETA: 4:12 - loss: 0.4319 - acc: 0.8488 - aur
oc: 0.695 - ETA: 4:06 - loss: 0.4318 - acc: 0.8489 - auroc: 0.695 - ETA: 4:00 - loss: 0.4317 - acc
: 0.8489 - auroc: 0.695 - ETA: 3:55 - loss: 0.4315 - acc: 0.8490 - auroc: 0.695 - ETA: 3:49 - loss
: 0.4315 - acc: 0.8490 - auroc: 0.695 - ETA: 3:43 - loss: 0.4315 - acc: 0.8490 - auroc: 0.695 - ET
A: 3:38 - loss: 0.4317 - acc: 0.8489 - auroc: 0.695 - ETA: 3:32 - loss: 0.4317 - acc: 0.8488 - aur
oc: 0.696 - ETA: 3:26 - loss: 0.4317 - acc: 0.8488 - auroc: 0.696 - ETA: 3:20 - loss: 0.4317 - acc
: 0.8489 - auroc: 0.695 - ETA: 3:15 - loss: 0.4318 - acc: 0.8487 - auroc: 0.695 - ETA: 3:09 - loss
: 0.4319 - acc: 0.8487 - auroc: 0.695 - ETA: 3:03 - loss: 0.4319 - acc: 0.8487 - auroc: 0.696 - ET
A: 2:58 - loss: 0.4318 - acc: 0.8488 - auroc: 0.696 - ETA: 2:52 - loss: 0.4318 - acc: 0.8488 - aur
oc: 0.696 - ETA: 2:46 - loss: 0.4317 - acc: 0.8488 - auroc: 0.696 - ETA: 2:41 - loss: 0.4316 - acc
: 0.8488 - auroc: 0.696 - ETA: 2:35 - loss: 0.4316 - acc: 0.8488 - auroc: 0.696 - ETA: 2:29 - loss
: 0.4316 - acc: 0.8488 - auroc: 0.696 - ETA: 2:23 - loss: 0.4316 - acc: 0.8488 - auroc: 0.696 - ET
A: 2:18 - loss: 0.4317 - acc: 0.8488 - auroc: 0.696 - ETA: 2:12 - loss: 0.4319 - acc: 0.8487 - aur
oc: 0.696 - ETA: 2:06 - loss: 0.4320 - acc: 0.8486 - auroc: 0.696 - ETA: 2:01 - loss: 0.4319 - acc
: 0.8487 - auroc: 0.696 - ETA: 1:55 - loss: 0.4319 - acc: 0.8487 - auroc: 0.696 - ETA: 1:49 - loss
: 0.4319 - acc: 0.8487 - auroc: 0.696 - ETA: 1:43 - loss: 0.4319 - acc: 0.8486 - auroc: 0.696 - ET
A: 1:38 - loss: 0.4319 - acc: 0.8487 - auroc: 0.696 - ETA: 1:32 - loss: 0.4320 - acc: 0.8486 - aur
oc: 0.696 - ETA: 1:26 - loss: 0.4319 - acc: 0.8487 - auroc: 0.696 - ETA: 1:21 - loss: 0.4320 - acc
: 0.8486 - auroc: 0.696 - ETA: 1:15 - loss: 0.4319 - acc: 0.8486 - auroc: 0.696 - ETA: 1:09 - loss
: 0.4320 - acc: 0.8486 - auroc: 0.696 - ETA: 1:04 - loss: 0.4319 - acc: 0.8486 - auroc: 0.696 - ET
A: 58s - loss: 0.4319 - acc: 0.8486 - auroc: 0.696 - ETA: 52s - loss: 0.4319 - acc: 0.8487 - auroc
: 0.69 - ETA: 46s - loss: 0.4321 - acc: 0.8486 - auroc: 0.69 - ETA: 41s - loss: 0.4321 - acc: 0.84
86 - auroc: 0.69 - ETA: 35s - loss: 0.4320 - acc: 0.8487 - auroc: 0.69 - ETA: 29s - loss: 0.4320 -
acc: 0.8487 - auroc: 0.69 - ETA: 24s - loss: 0.4321 - acc: 0.8487 - auroc: 0.69 - ETA: 18s - loss:
0.4322 - acc: 0.8486 - auroc: 0.69 - ETA: 12s - loss: 0.4321 - acc: 0.8487 - auroc: 0.69 - ETA: 7s
- loss: 0.4324 - acc: 0.8485 - auroc: 0.6957 - ETA: 1s - loss: 0.4323 - acc: 0.8486 - auroc: 0.695
- 3308s 47ms/step - loss: 0.4323 - acc: 0.8486 - auroc: 0.6958 - val_loss: 0.4317 - val_acc: 0.848
6 - val_auroc: 0.7056
Epoch 8/15
18688/69918 [=======>......................] - ETA: 52:12 - loss: 0.3384 - acc: 0.9141 - auroc: 0.
68 - ETA: 51:32 - loss: 0.3497 - acc: 0.9023 - auroc: 0.69 - ETA: 51:21 - loss: 0.3805 - acc: 0.88
02 - auroc: 0.71 - ETA: 50:58 - loss: 0.3837 - acc: 0.8789 - auroc: 0.70 - ETA: 50:54 - loss: 0.38
48 - acc: 0.8781 - auroc: 0.71 - ETA: 50:50 - loss: 0.4035 - acc: 0.8698 - auroc: 0.70 - ETA: 50:4
3 - loss: 0.4154 - acc: 0.8650 - auroc: 0.69 - ETA: 50:45 - loss: 0.4100 - acc: 0.8652 - auroc: 0.
70 - ETA: 50:36 - loss: 0.4131 - acc: 0.8611 - auroc: 0.71 - ETA: 50:35 - loss: 0.4065 - acc: 0.86
64 - auroc: 0.71 - ETA: 50:29 - loss: 0.4079 - acc: 0.8643 - auroc: 0.72 - ETA: 50:22 - loss: 0.40
99 - acc: 0.8626 - auroc: 0.72 - ETA: 50:19 - loss: 0.4143 - acc: 0.8600 - auroc: 0.71 - ETA: 50:1
4 - loss: 0.4116 - acc: 0.8616 - auroc: 0.71 - ETA: 50:10 - loss: 0.4096 - acc: 0.8609 - auroc: 0.
72 - ETA: 50:06 - loss: 0.4116 - acc: 0.8599 - auroc: 0.72 - ETA: 50:00 - loss: 0.4113 - acc: 0.86
08 - auroc: 0.71 - ETA: 49:55 - loss: 0.4168 - acc: 0.8572 - auroc: 0.72 - ETA: 49:48 - loss: 0.41
71 - acc: 0.8573 - auroc: 0.71 - ETA: 49:39 - loss: 0.4177 - acc: 0.8570 - auroc: 0.71 - ETA: 49:3
2 - loss: 0.4214 - acc: 0.8553 - auroc: 0.71 - ETA: 49:26 - loss: 0.4262 - acc: 0.8519 - auroc: 0.
71 - ETA: 49:20 - loss: 0.4285 - acc: 0.8509 - auroc: 0.70 - ETA: 49:15 - loss: 0.4307 - acc: 0.84

90 - auroc: 0.71 - ETA: 49:10 - loss: 0.4333 - acc: 0.8472 - auroc: 0.70 - ETA: 49:04 - loss: 0.43
41 - acc: 0.8468 - auroc: 0.70 - ETA: 48:58 - loss: 0.4326 - acc: 0.8481 - auroc: 0.70 - ETA: 48:5
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: 0.8489 - auroc: 0.69 - ETA: 23:36 - loss: 0.4283 - acc: 0.8489 - auroc: 0.69 - ETA: 23:31 - loss
: 0.4283 - acc: 0.8490 - auroc: 0.69 - ETA: 23:25 - loss: 0.4284 - acc: 0.8489 - auroc: 0.69 - ETA
: 23:20 - loss: 0.4284 - acc: 0.8489 - auroc: 0.69 - ETA: 23:14 - loss: 0.4285 - acc: 0.8488 - aur
oc: 0.69 - ETA: 23:08 - loss: 0.4285 - acc: 0.8488 - auroc: 0.69 - ETA: 23:03 - loss: 0.4285 - acc
: 0.8488 - auroc: 0.69 - ETA: 22:57 - loss: 0.4285 - acc: 0.8488 - auroc: 0.69 - ETA: 22:51 - loss
: 0.4287 - acc: 0.8487 - auroc: 0.69 - ETA: 22:46 - loss: 0.4284 - acc: 0.8489 - auroc: 0.69 - ETA
: 22:40 - loss: 0.4285 - acc: 0.8488 - auroc: 0.69 - ETA: 22:34 - loss: 0.4285 - acc: 0.8487 - aur
oc: 0.69 - ETA: 22:29 - loss: 0.4285 - acc: 0.8487 - auroc: 0.69 - ETA: 22:23 - loss: 0.4289 - acc
: 0.8485 - auroc: 0.69 - ETA: 22:17 - loss: 0.4290 - acc: 0.8484 - auroc: 0.69 - ETA: 22:12 - loss
: 0.4290 - acc: 0.8484 - auroc: 0.69 - ETA: 22:06 - loss: 0.4289 - acc: 0.8485 - auroc: 0.69 - ETA
: 22:01 - loss: 0.4287 - acc: 0.8486 - auroc: 0.69 - ETA: 21:55 - loss: 0.4289 - acc: 0.8485 - aur
oc: 0.69 - ETA: 21:49 - loss: 0.4290 - acc: 0.8484 - auroc: 0.69 - ETA: 21:43 - loss: 0.4291 - acc
: 0.8483 - auroc: 0.69 - ETA: 21:38 - loss: 0.4293 - acc: 0.8482 - auroc: 0.69 - ETA: 21:32 - loss
: 0.4292 - acc: 0.8482 - auroc: 0.69 - ETA: 21:27 - loss: 0.4293 - acc: 0.8482 - auroc: 0.69 - ETA
: 21:21 - loss: 0.4294 - acc: 0.8482 - auroc: 0.69 - ETA: 21:15 - loss: 0.4295 - acc: 0.8481 - aur
oc: 0.69 - ETA: 21:10 - loss: 0.4295 - acc: 0.8481 - auroc: 0.69 - ETA: 21:04 - loss: 0.4296 - acc
: 0.8480 - auroc: 0.69 - ETA: 20:58 - loss: 0.4296 - acc: 0.8481 - auroc: 0.69 - ETA: 20:53 - loss
: 0.4293 - acc: 0.8482 - auroc: 0.69 - ETA: 20:47 - loss: 0.4291 - acc: 0.8484 - auroc: 0.69 - ETA
: 20:42 - loss: 0.4290 - acc: 0.8485 - auroc: 0.69 - ETA: 20:36 - loss: 0.4289 - acc: 0.8485 - aur
oc: 0.69 - ETA: 20:30 - loss: 0.4287 - acc: 0.8486 - auroc: 0.69 - ETA: 20:25 - loss: 0.4288 - acc
: 0.8486 - auroc: 0.69 - ETA: 20:19 - loss: 0.4289 - acc: 0.8486 - auroc: 0.69 - ETA: 20:13 - loss
: 0.4288 - acc: 0.8486 - auroc: 0.69 - ETA: 20:08 - loss: 0.4289 - acc: 0.8486 - auroc: 0.69 - ETA
: 20:02 - loss: 0.4292 - acc: 0.8485 - auroc: 0.69 - ETA: 19:57 - loss: 0.4292 - acc: 0.8485 - aur
oc: 0.69 - ETA: 19:51 - loss: 0.4293 - acc: 0.8485 - auroc: 0.69 - ETA: 19:45 - loss: 0.4294 - acc
: 0.8484 - auroc: 0.69 - ETA: 19:40 - loss: 0.4294 - acc: 0.8484 - auroc: 0.69 - ETA: 19:34 - loss
: 0.4295 - acc: 0.8484 - auroc: 0.69 - ETA: 19:28 - loss: 0.4295 - acc: 0.8484 - auroc: 0.69 - ETA
: 19:23 - loss: 0.4294 - acc: 0.8484 - auroc: 0.69 - ETA: 19:17 - loss: 0.4294 - acc: 0.8485 - aur
oc: 0.69 - ETA: 19:11 - loss: 0.4296 - acc: 0.8484 - auroc: 0.69 - ETA: 19:06 - loss: 0.4295 - acc
: 0.8484 - auroc: 0.69 - ETA: 19:00 - loss: 0.4294 - acc: 0.8484 - auroc: 0.69 - ETA: 18:54 - loss
: 0.4292 - acc: 0.8485 - auroc: 0.69 - ETA: 18:49 - loss: 0.4293 - acc: 0.8484 - auroc: 0.69 - ETA
: 18:43 - loss: 0.4292 - acc: 0.8484 - auroc: 0.69 - ETA: 18:37 - loss: 0.4292 - acc: 0.8484 - aur
oc: 0.69 - ETA: 18:32 - loss: 0.4292 - acc: 0.8484 - auroc: 0.69 - ETA: 18:26 - loss: 0.4291 - acc
: 0.8485 - auroc: 0.69 - ETA: 18:20 - loss: 0.4290 - acc: 0.8485 - auroc: 0.69 - ETA: 18:15 - loss
: 0.4292 - acc: 0.8484 - auroc: 0.69 - ETA: 18:09 - loss: 0.4291 - acc: 0.8485 - auroc: 0.69 - ETA
: 18:03 - loss: 0.4290 - acc: 0.8485 - auroc: 0.70 - ETA: 17:58 - loss: 0.4292 - acc: 0.8484 - aur
oc: 0.70 - ETA: 17:52 - loss: 0.4292 - acc: 0.8484 - auroc: 0.70 - ETA: 17:46 - loss: 0.4289 - acc
: 0.8486 - auroc: 0.70 - ETA: 17:41 - loss: 0.4288 - acc: 0.8487 - auroc: 0.70 - ETA: 17:35 - loss
: 0.4290 - acc: 0.8485 - auroc: 0.70 - ETA: 17:29 - loss: 0.4291 - acc: 0.8485 - auroc: 0.70 - ETA
: 17:24 - loss: 0.4291 - acc: 0.8485 - auroc: 0.70 - ETA: 17:18 - loss: 0.4291 - acc: 0.8484 - aur
oc: 0.70 - ETA: 17:12 - loss: 0.4290 - acc: 0.8485 - auroc: 0.70 - ETA: 17:07 - loss: 0.4291 - acc
: 0.8484 - auroc: 0.70 - ETA: 17:01 - loss: 0.4289 - acc: 0.8485 - auroc: 0.70 - ETA: 16:55 - loss
: 0.4291 - acc: 0.8484 - auroc: 0.70 - ETA: 16:50 - loss: 0.4291 - acc: 0.8484 - auroc: 0.70 - ETA
: 16:44 - loss: 0.4291 - acc: 0.8483 - auroc: 0.70 - ETA: 16:38 - loss: 0.4289 - acc: 0.8484 - aur
oc: 0.70 - ETA: 16:33 - loss: 0.4288 - acc: 0.8485 - auroc: 0.70 - ETA: 16:27 - loss: 0.4289 - acc
: 0.8484 - auroc: 0.70 - ETA: 16:21 - loss: 0.4291 - acc: 0.8484 - auroc: 0.70 - ETA: 16:16 - loss
: 0.4289 - acc: 0.8484 - auroc: 0.70 - ETA: 16:10 - loss: 0.4289 - acc: 0.8484 - auroc: 0.70 - ETA
: 16:04 - loss: 0.4288 - acc: 0.8485 - auroc: 0.70 - ETA: 15:59 - loss: 0.4289 - acc: 0.8484 - aur
oc: 0.70 - ETA: 15:53 - loss: 0.4289 - acc: 0.8485 - auroc: 0.70 - ETA: 15:47 - loss: 0.4289 - acc
: 0.8485 - auroc: 0.70 - ETA: 15:42 - loss: 0.4288 - acc: 0.8485 - auroc: 0.70 - ETA: 15:36 - loss
: 0.4289 - acc: 0.8485 - auroc: 0.70 - ETA: 15:30 - loss: 0.4290 - acc: 0.8484 - auroc: 0.70 - ETA
: 15:25 - loss: 0.4291 - acc: 0.8483 - auroc: 0.70 - ETA: 15:19 - loss: 0.4294 - acc: 0.8481 - aur
oc: 0.70 - ETA: 15:13 - loss: 0.4293 - acc: 0.8483 - auroc: 0.70 - ETA: 15:08 - loss: 0.4292 - acc
: 0.8483 - auroc: 0.70 - ETA: 15:02 - loss: 0.4292 - acc: 0.8484 - auroc: 0.70 - ETA: 14:56 - loss
: 0.4292 - acc: 0.8484 - auroc: 0.70 - ETA: 14:51 - loss: 0.4293 - acc: 0.8483 - auroc: 0.70 - ETA
: 14:45 - loss: 0.4294 - acc: 0.8484 - auroc: 0.70 - ETA: 14:39 - loss: 0.4294 - acc: 0.8483 - aur
oc: 0.70 - ETA: 14:34 - loss: 0.4295 - acc: 0.8483 - auroc: 0.70 - ETA: 14:28 - loss: 0.4296 - acc
: 0.8483 - auroc: 0.70 - ETA: 14:22 - loss: 0.4297 - acc: 0.8482 - auroc: 0.70 - ETA: 14:17 - loss
: 0.4297 - acc: 0.8482 - auroc: 0.70 - ETA: 14:11 - loss: 0.4297 - acc: 0.8482 - auroc: 0.70 - ETA
: 14:05 - loss: 0.4298 - acc: 0.8482 - auroc: 0.70 - ETA: 14:00 - loss: 0.4299 - acc: 0.8481 - aur
oc: 0.70 - ETA: 13:54 - loss: 0.4300 - acc: 0.8482 - auroc: 0.70 - ETA: 13:48 - loss: 0.4301 - acc
: 0.8481 - auroc: 0.70 - ETA: 13:43 - loss: 0.4303 - acc: 0.8480 - auroc: 0.70 - ETA: 13:37 - loss
: 0.4301 - acc: 0.8480 - auroc: 0.70 - ETA: 13:31 - loss: 0.4302 - acc: 0.8480 - auroc: 0.70 - ETA
: 13:26 - loss: 0.4302 - acc: 0.8481 - auroc: 0.70 - ETA: 13:20 - loss: 0.4301 - acc: 0.8481 - aur
oc: 0.70 - ETA: 13:14 - loss: 0.4300 - acc: 0.8482 - auroc: 0.70 - ETA: 13:09 - loss: 0.4300 - acc
: 0.8481 - auroc: 0.70 - ETA: 13:03 - loss: 0.4299 - acc: 0.8482 - auroc: 0.70 - ETA: 12:58 - loss
: 0.4297 - acc: 0.8483 - auroc: 0.70 - ETA: 12:52 - loss: 0.4297 - acc: 0.8483 - auroc: 0.70 - ETA
: 12:46 - loss: 0.4296 - acc: 0.8484 - auroc: 0.70 - ETA: 12:41 - loss: 0.4293 - acc: 0.8485 - aur
oc: 0.70 - ETA: 12:35 - loss: 0.4289 - acc: 0.8486 - auroc: 0.70 - ETA: 12:29 - loss: 0.4288 - acc
: 0.8488 - auroc: 0.70 - ETA: 12:23 - loss: 0.4289 - acc: 0.8487 - auroc: 0.70 - ETA: 12:17 - loss
: 0.4289 - acc: 0.8488 - auroc: 0.70 - ETA: 12:12 - loss: 0.4290 - acc: 0.8487 - auroc: 0.70 - ETA
: 12:06 - loss: 0.4288 - acc: 0.8488 - auroc: 0.70 - ETA: 12:00 - loss: 0.4286 - acc: 0.8489 - aur
oc: 0.70 - ETA: 11:54 - loss: 0.4285 - acc: 0.8490 - auroc: 0.70 - ETA: 11:49 - loss: 0.4284 - acc
: 0.8490 - auroc: 0.70 - ETA: 11:43 - loss: 0.4286 - acc: 0.8489 - auroc: 0.70 - ETA: 11:37 - loss
: 0.4285 - acc: 0.8490 - auroc: 0.70 - ETA: 11:31 - loss: 0.4284 - acc: 0.8490 - auroc: 0.70 - ETA
: 11:25 - loss: 0.4283 - acc: 0.8491 - auroc: 0.70 - ETA: 11:20 - loss: 0.4284 - acc: 0.8490 - aur
```

oc: 0.70 - ETA: 11:14 - loss: 0.4285 - acc: 0.8490 - auroc: 0.70 - ETA: 11:08 - loss: 0.4285 - acc
: 0.8489 - auroc: 0.70 - ETA: 11:03 - loss: 0.4285 - acc: 0.8489 - auroc: 0.70 - ETA: 10:57 - loss
: 0.4286 - acc: 0.8488 - auroc: 0.70 - ETA: 10:51 - loss: 0.4285 - acc: 0.8488 - auroc: 0.70 - ETA
: 10:46 - loss: 0.4286 - acc: 0.8488 - auroc: 0.70 - ETA: 10:40 - loss: 0.4286 - acc: 0.8488 - aur
oc: 0.70 - ETA: 10:34 - loss: 0.4286 - acc: 0.8488 - auroc: 0.70 - ETA: 10:28 - loss: 0.4285 - acc
: 0.8489 - auroc: 0.70 - ETA: 10:23 - loss: 0.4286 - acc: 0.8488 - auroc: 0.70 - ETA: 10:17 - loss
: 0.4286 - acc: 0.8488 - auroc: 0.70 - ETA: 10:12 - loss: 0.4285 - acc: 0.8489 - auroc:
0.700169918/69918 [==============================] - ETA: 10:06 - loss: 0.4282 - acc: 0.8490 - aur
oc: 0.70 - ETA: 10:00 - loss: 0.4283 - acc: 0.8490 - auroc: 0.70 - ETA: 9:54 - loss: 0.4284 - acc:
0.8489 - auroc: 0.7007 - ETA: 9:49 - loss: 0.4284 - acc: 0.8489 - auroc: 0.700 - ETA: 9:43 - loss:
0.4286 - acc: 0.8488 - auroc: 0.700 - ETA: 9:37 - loss: 0.4286 - acc: 0.8488 - auroc: 0.700 - ETA:
9:32 - loss: 0.4288 - acc: 0.8487 - auroc: 0.700 - ETA: 9:26 - loss: 0.4286 - acc: 0.8489 - auroc:
0.700 - ETA: 9:20 - loss: 0.4287 - acc: 0.8488 - auroc: 0.700 - ETA: 9:15 - loss: 0.4286 - acc: 0.
8489 - auroc: 0.700 - ETA: 9:09 - loss: 0.4285 - acc: 0.8489 - auroc: 0.700 - ETA: 9:03 - loss: 0.
4285 - acc: 0.8489 - auroc: 0.700 - ETA: 8:58 - loss: 0.4286 - acc: 0.8488 - auroc: 0.700 - ETA: 8
:52 - loss: 0.4285 - acc: 0.8488 - auroc: 0.700 - ETA: 8:46 - loss: 0.4287 - acc: 0.8487 - auroc:
0.700 - ETA: 8:41 - loss: 0.4284 - acc: 0.8488 - auroc: 0.700 - ETA: 8:35 - loss: 0.4285 - acc: 0.
8488 - auroc: 0.700 - ETA: 8:29 - loss: 0.4286 - acc: 0.8487 - auroc: 0.700 - ETA: 8:24 - loss: 0.
4287 - acc: 0.8487 - auroc: 0.700 - ETA: 8:18 - loss: 0.4286 - acc: 0.8487 - auroc: 0.700 - ETA: 8
:12 - loss: 0.4286 - acc: 0.8488 - auroc: 0.700 - ETA: 8:07 - loss: 0.4285 - acc: 0.8488 - auroc:
0.700 - ETA: 8:01 - loss: 0.4286 - acc: 0.8487 - auroc: 0.700 - ETA: 7:55 - loss: 0.4285 - acc: 0.
8487 - auroc: 0.700 - ETA: 7:50 - loss: 0.4286 - acc: 0.8486 - auroc: 0.700 - ETA: 7:44 - loss: 0.
4285 - acc: 0.8487 - auroc: 0.700 - ETA: 7:39 - loss: 0.4285 - acc: 0.8488 - auroc: 0.700 - ETA: 7
:33 - loss: 0.4286 - acc: 0.8487 - auroc: 0.700 - ETA: 7:27 - loss: 0.4285 - acc: 0.8488 - auroc:
0.700 - ETA: 7:22 - loss: 0.4284 - acc: 0.8488 - auroc: 0.700 - ETA: 7:16 - loss: 0.4286 - acc: 0.
8487 - auroc: 0.700 - ETA: 7:10 - loss: 0.4286 - acc: 0.8487 - auroc: 0.700 - ETA: 7:05 - loss: 0.
4285 - acc: 0.8487 - auroc: 0.700 - ETA: 6:59 - loss: 0.4286 - acc: 0.8487 - auroc: 0.700 - ETA: 6
:53 - loss: 0.4286 - acc: 0.8486 - auroc: 0.700 - ETA: 6:48 - loss: 0.4288 - acc: 0.8485 - auroc:
0.699 - ETA: 6:42 - loss: 0.4288 - acc: 0.8485 - auroc: 0.699 - ETA: 6:36 - loss: 0.4286 - acc: 0.
8487 - auroc: 0.699 - ETA: 6:31 - loss: 0.4286 - acc: 0.8487 - auroc: 0.699 - ETA: 6:25 - loss: 0.
4286 - acc: 0.8487 - auroc: 0.699 - ETA: 6:19 - loss: 0.4286 - acc: 0.8487 - auroc: 0.699 - ETA: 6
:14 - loss: 0.4286 - acc: 0.8487 - auroc: 0.699 - ETA: 6:08 - loss: 0.4286 - acc: 0.8487 - auroc:
0.699 - ETA: 6:02 - loss: 0.4287 - acc: 0.8486 - auroc: 0.699 - ETA: 5:57 - loss: 0.4287 - acc: 0.
8486 - auroc: 0.699 - ETA: 5:51 - loss: 0.4286 - acc: 0.8486 - auroc: 0.699 - ETA: 5:46 - loss: 0.
4286 - acc: 0.8486 - auroc: 0.699 - ETA: 5:40 - loss: 0.4285 - acc: 0.8486 - auroc: 0.699 - ETA: 5
:34 - loss: 0.4284 - acc: 0.8487 - auroc: 0.699 - ETA: 5:29 - loss: 0.4285 - acc: 0.8486 - auroc:
0.700 - ETA: 5:23 - loss: 0.4285 - acc: 0.8486 - auroc: 0.699 - ETA: 5:17 - loss: 0.4284 - acc: 0.
8486 - auroc: 0.700 - ETA: 5:12 - loss: 0.4285 - acc: 0.8486 - auroc: 0.700 - ETA: 5:06 - loss: 0.
4285 - acc: 0.8486 - auroc: 0.699 - ETA: 5:00 - loss: 0.4284 - acc: 0.8486 - auroc: 0.700 - ETA: 4
:55 - loss: 0.4285 - acc: 0.8486 - auroc: 0.700 - ETA: 4:49 - loss: 0.4287 - acc: 0.8485 - auroc:
0.700 - ETA: 4:43 - loss: 0.4286 - acc: 0.8486 - auroc: 0.700 - ETA: 4:38 - loss: 0.4285 - acc: 0.
8485 - auroc: 0.700 - ETA: 4:32 - loss: 0.4284 - acc: 0.8486 - auroc: 0.700 - ETA: 4:26 - loss: 0.
4284 - acc: 0.8486 - auroc: 0.700 - ETA: 4:21 - loss: 0.4286 - acc: 0.8485 - auroc: 0.700 - ETA: 4
:15 - loss: 0.4286 - acc: 0.8485 - auroc: 0.700 - ETA: 4:09 - loss: 0.4286 - acc: 0.8485 - auroc:
0.700 - ETA: 4:04 - loss: 0.4286 - acc: 0.8484 - auroc: 0.700 - ETA: 3:58 - loss: 0.4286 - acc: 0.
8484 - auroc: 0.700 - ETA: 3:52 - loss: 0.4284 - acc: 0.8486 - auroc: 0.700 - ETA: 3:47 - loss: 0.
4285 - acc: 0.8485 - auroc: 0.700 - ETA: 3:41 - loss: 0.4285 - acc: 0.8485 - auroc: 0.700 - ETA: 3
:35 - loss: 0.4285 - acc: 0.8484 - auroc: 0.700 - ETA: 3:30 - loss: 0.4285 - acc: 0.8484 - auroc:
0.700 - ETA: 3:24 - loss: 0.4286 - acc: 0.8484 - auroc: 0.700 - ETA: 3:18 - loss: 0.4287 - acc: 0.
8483 - auroc: 0.700 - ETA: 3:13 - loss: 0.4288 - acc: 0.8483 - auroc: 0.700 - ETA: 3:07 - loss: 0.
4287 - acc: 0.8484 - auroc: 0.700 - ETA: 3:02 - loss: 0.4289 - acc: 0.8483 - auroc: 0.700 - ETA: 2
:56 - loss: 0.4287 - acc: 0.8484 - auroc: 0.700 - ETA: 2:50 - loss: 0.4287 - acc: 0.8484 - auroc:
0.700 - ETA: 2:45 - loss: 0.4288 - acc: 0.8483 - auroc: 0.700 - ETA: 2:39 - loss: 0.4289 - acc: 0.
8483 - auroc: 0.700 - ETA: 2:33 - loss: 0.4288 - acc: 0.8484 - auroc: 0.699 - ETA: 2:28 - loss: 0.
4287 - acc: 0.8485 - auroc: 0.699 - ETA: 2:22 - loss: 0.4288 - acc: 0.8484 - auroc: 0.699 - ETA: 2
:16 - loss: 0.4287 - acc: 0.8484 - auroc: 0.699 - ETA: 2:11 - loss: 0.4288 - acc: 0.8484 - auroc:
0.699 - ETA: 2:05 - loss: 0.4288 - acc: 0.8484 - auroc: 0.698 - ETA: 1:59 - loss: 0.4286 - acc: 0.
8485 - auroc: 0.698 - ETA: 1:54 - loss: 0.4287 - acc: 0.8485 - auroc: 0.698 - ETA: 1:48 - loss: 0.
4288 - acc: 0.8484 - auroc: 0.698 - ETA: 1:42 - loss: 0.4287 - acc: 0.8485 - auroc: 0.698 - ETA: 1
:37 - loss: 0.4286 - acc: 0.8486 - auroc: 0.697 - ETA: 1:31 - loss: 0.4284 - acc: 0.8487 - auroc:
0.697 - ETA: 1:26 - loss: 0.4285 - acc: 0.8487 - auroc: 0.697 - ETA: 1:20 - loss: 0.4284 - acc: 0.
8487 - auroc: 0.697 - ETA: 1:14 - loss: 0.4284 - acc: 0.8487 - auroc: 0.697 - ETA: 1:09 - loss: 0.
4284 - acc: 0.8487 - auroc: 0.696 - ETA: 1:03 - loss: 0.4284 - acc: 0.8487 - auroc: 0.696 - ETA: 5
7s - loss: 0.4284 - acc: 0.8487 - auroc: 0.696 - ETA: 52s - loss: 0.4284 - acc: 0.8487 - auroc: 0.
69 - ETA: 46s - loss: 0.4284 - acc: 0.8487 - auroc: 0.69 - ETA: 40s - loss: 0.4285 - acc: 0.8487 -
auroc: 0.69 - ETA: 35s - loss: 0.4285 - acc: 0.8487 - auroc: 0.69 - ETA: 29s - loss: 0.4283 - acc:
0.8487 - auroc: 0.69 - ETA: 23s - loss: 0.4285 - acc: 0.8487 - auroc: 0.69 - ETA: 18s - loss: 0.42
87 - acc: 0.8486 - auroc: 0.69 - ETA: 12s - loss: 0.4291 - acc: 0.8484 - auroc: 0.69 - ETA: 6s - l
oss: 0.4290 - acc: 0.8485 - auroc: 0.6950 - ETA: 1s - loss: 0.4290 - acc: 0.8485 - auroc: 0.694 -
3285s 47ms/step - loss: 0.4289 - acc: 0.8486 - auroc: 0.6950 - val_loss: 0.4352 - val_acc: 0.8486
- val_auroc: 0.7001
Epoch 9/15
18688/69918 [=======>......................] - ETA: 53:30 - loss: 0.4309 - acc: 0.8594 - auroc: 0.
67 - ETA: 52:46 - loss: 0.4882 - acc: 0.8242 - auroc: 0.61 - ETA: 52:31 - loss: 0.4932 - acc: 0.82
03 - auroc: 0.60 - ETA: 52:11 - loss: 0.4937 - acc: 0.8184 - auroc: 0.60 - ETA: 51:47 - loss: 0.49
14 - acc: 0.8187 - auroc: 0.59 - ETA: 51:32 - loss: 0.4834 - acc: 0.8216 - auroc: 0.60 - ETA: 51:2
6 - loss: 0.4774 - acc: 0.8259 - auroc: 0.59 - ETA: 51:13 - loss: 0.4657 - acc: 0.8330 - auroc: 0.

```
59 - ETA: 51:09 - loss: 0.4695 - acc: 0.8316 - auroc: 0.59 - ETA: 51:04 - loss: 0.4735 - acc: 0.82
66 - auroc: 0.60 - ETA: 51:00 - loss: 0.4640 - acc: 0.8303 - auroc: 0.62 - ETA: 50:55 - loss: 0.47
01 - acc: 0.8268 - auroc: 0.62 - ETA: 50:51 - loss: 0.4647 - acc: 0.8305 - auroc: 0.62 - ETA: 50:4
4 - loss: 0.4674 - acc: 0.8281 - auroc: 0.62 - ETA: 50:38 - loss: 0.4661 - acc: 0.8292 - auroc: 0.
62 - ETA: 50:37 - loss: 0.4622 - acc: 0.8311 - auroc: 0.62 - ETA: 50:27 - loss: 0.4556 - acc: 0.83
59 - auroc: 0.62 - ETA: 50:23 - loss: 0.4591 - acc: 0.8329 - auroc: 0.63 - ETA: 50:16 - loss: 0.45
89 - acc: 0.8335 - auroc: 0.63 - ETA: 50:10 - loss: 0.4543 - acc: 0.8352 - auroc: 0.63 - ETA: 50:0
4 - loss: 0.4528 - acc: 0.8367 - auroc: 0.63 - ETA: 50:00 - loss: 0.4506 - acc: 0.8381 - auroc: 0.
64 - ETA: 49:51 - loss: 0.4534 - acc: 0.8370 - auroc: 0.64 - ETA: 49:46 - loss: 0.4531 - acc: 0.83
76 - auroc: 0.64 - ETA: 49:40 - loss: 0.4499 - acc: 0.8394 - auroc: 0.64 - ETA: 49:35 - loss: 0.45
14 - acc: 0.8389 - auroc: 0.64 - ETA: 49:30 - loss: 0.4508 - acc: 0.8394 - auroc: 0.64 - ETA: 49:2
5 - loss: 0.4495 - acc: 0.8398 - auroc: 0.64 - ETA: 49:20 - loss: 0.4507 - acc: 0.8392 - auroc: 0.
64 - ETA: 49:16 - loss: 0.4492 - acc: 0.8404 - auroc: 0.64 - ETA: 49:12 - loss: 0.4475 - acc: 0.84
07 - auroc: 0.65 - ETA: 49:06 - loss: 0.4483 - acc: 0.8408 - auroc: 0.65 - ETA: 49:00 - loss: 0.44
91 - acc: 0.8402 - auroc: 0.65 - ETA: 48:54 - loss: 0.4480 - acc: 0.8410 - auroc: 0.65 - ETA: 48:4
9 - loss: 0.4499 - acc: 0.8402 - auroc: 0.65 - ETA: 48:44 - loss: 0.4506 - acc: 0.8398 - auroc: 0.
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22 - auroc: 0.66 - ETA: 47:43 - loss: 0.4515 - acc: 0.8421 - auroc: 0.66 - ETA: 47:36 - loss: 0.45
06 - acc: 0.8426 - auroc: 0.66 - ETA: 47:31 - loss: 0.4511 - acc: 0.8426 - auroc: 0.66 - ETA: 47:2
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66 - ETA: 47:13 - loss: 0.4507 - acc: 0.8436 - auroc: 0.66 - ETA: 47:06 - loss: 0.4511 - acc: 0.84
34 - auroc: 0.66 - ETA: 47:01 - loss: 0.4498 - acc: 0.8442 - auroc: 0.66 - ETA: 46:56 - loss: 0.45
22 - acc: 0.8430 - auroc: 0.66 - ETA: 46:50 - loss: 0.4510 - acc: 0.8438 - auroc: 0.66 - ETA: 46:4
3 - loss: 0.4515 - acc: 0.8436 - auroc: 0.66 - ETA: 46:37 - loss: 0.4508 - acc: 0.8442 - auroc: 0.
66 - ETA: 46:32 - loss: 0.4490 - acc: 0.8452 - auroc: 0.66 - ETA: 46:26 - loss: 0.4468 - acc: 0.84
63 - auroc: 0.66 - ETA: 46:19 - loss: 0.4462 - acc: 0.8466 - auroc: 0.66 - ETA: 46:14 - loss: 0.44
60 - acc: 0.8468 - auroc: 0.66 - ETA: 46:07 - loss: 0.4451 - acc: 0.8474 - auroc: 0.66 - ETA: 46:0
2 - loss: 0.4446 - acc: 0.8478 - auroc: 0.66 - ETA: 45:56 - loss: 0.4459 - acc: 0.8473 - auroc: 0.
66 - ETA: 45:52 - loss: 0.4450 - acc: 0.8477 - auroc: 0.66 - ETA: 45:49 - loss: 0.4442 - acc: 0.84
82 - auroc: 0.66 - ETA: 45:44 - loss: 0.4431 - acc: 0.8485 - auroc: 0.66 - ETA: 45:39 - loss: 0.44
26 - acc: 0.8488 - auroc: 0.66 - ETA: 45:33 - loss: 0.4430 - acc: 0.8485 - auroc: 0.66 - ETA: 45:2
7 - loss: 0.4444 - acc: 0.8473 - auroc: 0.66 - ETA: 45:19 - loss: 0.4437 - acc: 0.8475 - auroc: 0.
66 - ETA: 45:13 - loss: 0.4441 - acc: 0.8472 - auroc: 0.66 - ETA: 45:07 - loss: 0.4431 - acc: 0.84
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22 - acc: 0.8477 - auroc: 0.67 - ETA: 44:49 - loss: 0.4412 - acc: 0.8483 - auroc: 0.67 - ETA: 44:4
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67 - ETA: 44:32 - loss: 0.4415 - acc: 0.8485 - auroc: 0.67 - ETA: 44:26 - loss: 0.4423 - acc: 0.84
82 - auroc: 0.67 - ETA: 44:21 - loss: 0.4425 - acc: 0.8480 - auroc: 0.67 - ETA: 44:15 - loss: 0.44
14 - acc: 0.8487 - auroc: 0.67 - ETA: 44:09 - loss: 0.4425 - acc: 0.8483 - auroc: 0.67 - ETA: 44:0
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67 - ETA: 43:52 - loss: 0.4425 - acc: 0.8486 - auroc: 0.66 - ETA: 43:47 - loss: 0.4415 - acc: 0.84
93 - auroc: 0.66 - ETA: 43:41 - loss: 0.4419 - acc: 0.8491 - auroc: 0.66 - ETA: 43:35 - loss: 0.44
28 - acc: 0.8487 - auroc: 0.66 - ETA: 43:30 - loss: 0.4424 - acc: 0.8488 - auroc: 0.67 - ETA: 43:2
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67 - ETA: 43:13 - loss: 0.4435 - acc: 0.8478 - auroc: 0.67 - ETA: 43:08 - loss: 0.4435 - acc: 0.84
77 - auroc: 0.67 - ETA: 43:02 - loss: 0.4430 - acc: 0.8479 - auroc: 0.67 - ETA: 42:56 - loss: 0.44
27 - acc: 0.8481 - auroc: 0.67 - ETA: 42:51 - loss: 0.4435 - acc: 0.8475 - auroc: 0.67 - ETA: 42:4
5 - loss: 0.4425 - acc: 0.8479 - auroc: 0.67 - ETA: 42:39 - loss: 0.4421 - acc: 0.8482 - auroc: 0.
67 - ETA: 42:33 - loss: 0.4419 - acc: 0.8483 - auroc: 0.67 - ETA: 42:28 - loss: 0.4419 - acc: 0.84
83 - auroc: 0.67 - ETA: 42:23 - loss: 0.4416 - acc: 0.8484 - auroc: 0.67 - ETA: 42:17 - loss: 0.44
16 - acc: 0.8482 - auroc: 0.67 - ETA: 42:11 - loss: 0.4419 - acc: 0.8480 - auroc: 0.67 - ETA: 42:0
6 - loss: 0.4415 - acc: 0.8480 - auroc: 0.67 - ETA: 42:00 - loss: 0.4418 - acc: 0.8477 - auroc: 0.
67 - ETA: 41:54 - loss: 0.4418 - acc: 0.8478 - auroc: 0.67 - ETA: 41:48 - loss: 0.4414 - acc: 0.84
79 - auroc: 0.67 - ETA: 41:43 - loss: 0.4411 - acc: 0.8479 - auroc: 0.67 - ETA: 41:37 - loss: 0.44
08 - acc: 0.8481 - auroc: 0.67 - ETA: 41:31 - loss: 0.4408 - acc: 0.8479 - auroc: 0.67 - ETA: 41:2
6 - loss: 0.4410 - acc: 0.8477 - auroc: 0.67 - ETA: 41:20 - loss: 0.4420 - acc: 0.8472 - auroc: 0.
67 - ETA: 41:14 - loss: 0.4419 - acc: 0.8472 - auroc: 0.67 - ETA: 41:08 - loss: 0.4415 - acc: 0.84
74 - auroc: 0.67 - ETA: 41:03 - loss: 0.4410 - acc: 0.8476 - auroc: 0.67 - ETA: 40:57 - loss: 0.44
12 - acc: 0.8474 - auroc: 0.67 - ETA: 40:52 - loss: 0.4412 - acc: 0.8473 - auroc: 0.67 - ETA: 40:4
7 - loss: 0.4402 - acc: 0.8478 - auroc: 0.67 - ETA: 40:41 - loss: 0.4400 - acc: 0.8479 - auroc: 0.
67 - ETA: 40:36 - loss: 0.4392 - acc: 0.8483 - auroc: 0.67 - ETA: 40:30 - loss: 0.4390 - acc: 0.84
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87 - acc: 0.8482 - auroc: 0.68 - ETA: 40:13 - loss: 0.4383 - acc: 0.8486 - auroc: 0.68 - ETA: 40:0
7 - loss: 0.4383 - acc: 0.8484 - auroc: 0.68 - ETA: 40:01 - loss: 0.4389 - acc: 0.8479 - auroc: 0.
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79 - auroc: 0.68 - ETA: 39:45 - loss: 0.4390 - acc: 0.8478 - auroc: 0.68 - ETA: 39:39 - loss: 0.44
00 - acc: 0.8473 - auroc: 0.68 - ETA: 39:34 - loss: 0.4398 - acc: 0.8472 - auroc: 0.68 - ETA: 39:2
8 - loss: 0.4399 - acc: 0.8472 - auroc: 0.68 - ETA: 39:23 - loss: 0.4404 - acc: 0.8468 - auroc: 0.
68 - ETA: 39:17 - loss: 0.4408 - acc: 0.8465 - auroc: 0.68 - ETA: 39:11 - loss: 0.4406 - acc: 0.84
66 - auroc: 0.68 - ETA: 39:06 - loss: 0.4412 - acc: 0.8461 - auroc: 0.68 - ETA: 39:00 - loss: 0.44
11 - acc: 0.8461 - auroc: 0.68 - ETA: 38:55 - loss: 0.4413 - acc: 0.8462 - auroc: 0.67 - ETA: 38:4
9 - loss: 0.4417 - acc: 0.8460 - auroc: 0.67 - ETA: 38:44 - loss: 0.4418 - acc: 0.8459 - auroc: 0.
67 - ETA: 38:38 - loss: 0.4410 - acc: 0.8464 - auroc: 0.67 - ETA: 38:32 - loss: 0.4409 - acc: 0.84
```

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10 - acc: 0.8462 - auroc: 0.67 - ETA: 38:15 - loss: 0.4409 - acc: 0.8463 - auroc:
0.677937376/69918 [================>..............] - ETA: 38:09 - loss: 0.4408 - acc: 0.8462 - aur
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: 0.8458 - auroc: 0.67 - ETA: 37:52 - loss: 0.4418 - acc: 0.8454 - auroc: 0.67 - ETA: 37:47 - loss
: 0.4411 - acc: 0.8458 - auroc: 0.67 - ETA: 37:41 - loss: 0.4408 - acc: 0.8460 - auroc: 0.67 - ETA
: 37:35 - loss: 0.4409 - acc: 0.8457 - auroc: 0.67 - ETA: 37:30 - loss: 0.4405 - acc: 0.8459 - aur
oc: 0.67 - ETA: 37:24 - loss: 0.4409 - acc: 0.8457 - auroc: 0.67 - ETA: 37:19 - loss: 0.4408 - acc
: 0.8457 - auroc: 0.67 - ETA: 37:13 - loss: 0.4399 - acc: 0.8462 - auroc: 0.67 - ETA: 37:08 - loss
: 0.4404 - acc: 0.8460 - auroc: 0.67 - ETA: 37:02 - loss: 0.4408 - acc: 0.8457 - auroc: 0.67 - ETA
: 36:57 - loss: 0.4403 - acc: 0.8460 - auroc: 0.67 - ETA: 36:51 - loss: 0.4410 - acc: 0.8455 - aur
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: 0.4406 - acc: 0.8460 - auroc: 0.67 - ETA: 36:22 - loss: 0.4409 - acc: 0.8458 - auroc: 0.67 - ETA
: 36:16 - loss: 0.4409 - acc: 0.8457 - auroc: 0.67 - ETA: 36:10 - loss: 0.4411 - acc: 0.8457 - aur
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: 35:37 - loss: 0.4392 - acc: 0.8466 - auroc: 0.67 - ETA: 35:31 - loss: 0.4392 - acc: 0.8467 - aur
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oc: 0.68 - ETA: 25:24 - loss: 0.4315 - acc: 0.8482 - auroc: 0.68 - ETA: 25:18 - loss: 0.4311 - acc
: 0.8484 - auroc: 0.68 - ETA: 25:12 - loss: 0.4310 - acc: 0.8485 - auroc: 0.68 - ETA: 25:06 - loss
: 0.4312 - acc: 0.8483 - auroc: 0.68 - ETA: 25:01 - loss: 0.4312 - acc: 0.8484 - auroc: 0.68 - ETA
: 24:55 - loss: 0.4314 - acc: 0.8483 - auroc: 0.68 - ETA: 24:49 - loss: 0.4311 - acc: 0.8485 - aur
oc: 0.68 - ETA: 24:43 - loss: 0.4313 - acc: 0.8483 - auroc: 0.68 - ETA: 24:38 - loss: 0.4310 - acc
: 0.8485 - auroc: 0.68 - ETA: 24:32 - loss: 0.4307 - acc: 0.8487 - auroc: 0.68 - ETA: 24:26 - loss
: 0.4306 - acc: 0.8488 - auroc: 0.68 - ETA: 24:20 - loss: 0.4310 - acc: 0.8485 - auroc:
0.688156064/69918 [========================>......] - ETA: 24:14 - loss: 0.4307 - acc: 0.8485 - aur
oc: 0.68 - ETA: 24:09 - loss: 0.4306 - acc: 0.8486 - auroc: 0.68 - ETA: 24:03 - loss: 0.4305 - acc
: 0.8486 - auroc: 0.68 - ETA: 23:57 - loss: 0.4304 - acc: 0.8487 - auroc: 0.68 - ETA: 23:51 - loss
: 0.4302 - acc: 0.8488 - auroc: 0.68 - ETA: 23:46 - loss: 0.4301 - acc: 0.8488 - auroc: 0.68 - ETA
: 23:40 - loss: 0.4300 - acc: 0.8488 - auroc: 0.68 - ETA: 23:34 - loss: 0.4299 - acc: 0.8489 - aur
oc: 0.68 - ETA: 23:28 - loss: 0.4296 - acc: 0.8490 - auroc: 0.68 - ETA: 23:22 - loss: 0.4297 - acc
: 0.8489 - auroc: 0.68 - ETA: 23:17 - loss: 0.4299 - acc: 0.8489 - auroc: 0.68 - ETA: 23:11 - loss
: 0.4298 - acc: 0.8489 - auroc: 0.68 - ETA: 23:05 - loss: 0.4298 - acc: 0.8489 - auroc: 0.68 - ETA
: 22:59 - loss: 0.4295 - acc: 0.8490 - auroc: 0.68 - ETA: 22:53 - loss: 0.4294 - acc: 0.8490 - aur
oc: 0.68 - ETA: 22:47 - loss: 0.4293 - acc: 0.8490 - auroc: 0.68 - ETA: 22:41 - loss: 0.4292 - acc
: 0.8491 - auroc: 0.68 - ETA: 22:35 - loss: 0.4294 - acc: 0.8490 - auroc: 0.68 - ETA: 22:30 - loss
: 0.4293 - acc: 0.8491 - auroc: 0.68 - ETA: 22:24 - loss: 0.4293 - acc: 0.8491 - auroc: 0.68 - ETA
: 22:18 - loss: 0.4295 - acc: 0.8490 - auroc: 0.68 - ETA: 22:13 - loss: 0.4295 - acc: 0.8490 - aur
oc: 0.68 - ETA: 22:07 - loss: 0.4297 - acc: 0.8489 - auroc: 0.68 - ETA: 22:01 - loss: 0.4298 - acc
: 0.8488 - auroc: 0.68 - ETA: 21:56 - loss: 0.4295 - acc: 0.8490 - auroc: 0.68 - ETA: 21:50 - loss
: 0.4296 - acc: 0.8489 - auroc: 0.68 - ETA: 21:44 - loss: 0.4297 - acc: 0.8488 - auroc: 0.68 - ETA
: 21:39 - loss: 0.4296 - acc: 0.8489 - auroc: 0.68 - ETA: 21:33 - loss: 0.4298 - acc: 0.8487 - aur
oc: 0.68 - ETA: 21:27 - loss: 0.4296 - acc: 0.8489 - auroc: 0.68 - ETA: 21:21 - loss: 0.4295 - acc
: 0.8489 - auroc: 0.68 - ETA: 21:16 - loss: 0.4295 - acc: 0.8489 - auroc: 0.68 - ETA: 21:10 - loss
: 0.4296 - acc: 0.8489 - auroc: 0.68 - ETA: 21:04 - loss: 0.4302 - acc: 0.8486 - auroc: 0.68 - ETA
: 20:59 - loss: 0.4300 - acc: 0.8487 - auroc: 0.68 - ETA: 20:53 - loss: 0.4300 - acc: 0.8487 - aur
oc: 0.68 - ETA: 20:47 - loss: 0.4298 - acc: 0.8489 - auroc: 0.68 - ETA: 20:41 - loss: 0.4298 - acc
: 0.8488 - auroc: 0.68 - ETA: 20:36 - loss: 0.4295 - acc: 0.8490 - auroc: 0.68 - ETA: 20:30 - loss
: 0.4296 - acc: 0.8489 - auroc: 0.69 - ETA: 20:24 - loss: 0.4295 - acc: 0.8489 - auroc: 0.69 - ETA
: 20:18 - loss: 0.4298 - acc: 0.8488 - auroc: 0.69 - ETA: 20:13 - loss: 0.4298 - acc: 0.8488 - aur
oc: 0.69 - ETA: 20:07 - loss: 0.4297 - acc: 0.8488 - auroc: 0.69 - ETA: 20:01 - loss: 0.4299 - acc
: 0.8487 - auroc: 0.68 - ETA: 19:56 - loss: 0.4298 - acc: 0.8489 - auroc: 0.68 - ETA: 19:49 - loss
: 0.4298 - acc: 0.8488 - auroc: 0.68 - ETA: 19:44 - loss: 0.4299 - acc: 0.8487 - auroc: 0.68 - ETA
: 19:38 - loss: 0.4298 - acc: 0.8488 - auroc: 0.68 - ETA: 19:32 - loss: 0.4294 - acc: 0.8490 - aur
oc: 0.69 - ETA: 19:26 - loss: 0.4295 - acc: 0.8490 - auroc: 0.69 - ETA: 19:21 - loss: 0.4293 - acc
: 0.8491 - auroc: 0.69 - ETA: 19:15 - loss: 0.4294 - acc: 0.8490 - auroc: 0.69 - ETA: 19:09 - loss
: 0.4295 - acc: 0.8489 - auroc: 0.69 - ETA: 19:03 - loss: 0.4294 - acc: 0.8489 - auroc: 0.69 - ETA
: 18:58 - loss: 0.4294 - acc: 0.8489 - auroc: 0.69 - ETA: 18:52 - loss: 0.4297 - acc: 0.8487 - aur
oc: 0.69 - ETA: 18:46 - loss: 0.4298 - acc: 0.8486 - auroc: 0.69 - ETA: 18:40 - loss: 0.4300 - acc
: 0.8485 - auroc: 0.69 - ETA: 18:35 - loss: 0.4303 - acc: 0.8484 - auroc: 0.69 - ETA: 18:29 - loss
: 0.4301 - acc: 0.8484 - auroc: 0.69 - ETA: 18:23 - loss: 0.4302 - acc: 0.8484 - auroc: 0.69 - ETA
: 18:17 - loss: 0.4300 - acc: 0.8484 - auroc: 0.69 - ETA: 18:11 - loss: 0.4301 - acc: 0.8484 - aur
oc: 0.69 - ETA: 18:06 - loss: 0.4299 - acc: 0.8484 - auroc: 0.69 - ETA: 18:00 - loss: 0.4298 - acc
: 0.8485 - auroc: 0.69 - ETA: 17:54 - loss: 0.4298 - acc: 0.8484 - auroc: 0.69 - ETA: 17:48 - loss
: 0.4297 - acc: 0.8485 - auroc: 0.69 - ETA: 17:42 - loss: 0.4300 - acc: 0.8482 - auroc: 0.69 - ETA
: 17:37 - loss: 0.4302 - acc: 0.8481 - auroc: 0.69 - ETA: 17:31 - loss: 0.4301 - acc: 0.8481 - aur
oc: 0.69 - ETA: 17:25 - loss: 0.4300 - acc: 0.8482 - auroc: 0.69 - ETA: 17:20 - loss: 0.4301 - acc
: 0.8481 - auroc: 0.69 - ETA: 17:14 - loss: 0.4299 - acc: 0.8481 - auroc: 0.69 - ETA: 17:08 - loss
: 0.4299 - acc: 0.8482 - auroc: 0.69 - ETA: 17:02 - loss: 0.4299 - acc: 0.8481 - auroc: 0.69 - ETA
: 16:57 - loss: 0.4300 - acc: 0.8480 - auroc: 0.69 - ETA: 16:51 - loss: 0.4302 - acc: 0.8480 - aur
oc: 0.69 - ETA: 16:45 - loss: 0.4305 - acc: 0.8479 - auroc: 0.69 - ETA: 16:39 - loss: 0.4303 - acc
: 0.8480 - auroc: 0.69 - ETA: 16:34 - loss: 0.4301 - acc: 0.8482 - auroc: 0.69 - ETA: 16:28 - loss
: 0.4303 - acc: 0.8481 - auroc: 0.69 - ETA: 16:22 - loss: 0.4304 - acc: 0.8481 - auroc: 0.69 - ETA
: 16:16 - loss: 0.4301 - acc: 0.8482 - auroc: 0.69 - ETA: 16:11 - loss: 0.4299 - acc: 0.8483 - aur
oc: 0.69 - ETA: 16:05 - loss: 0.4297 - acc: 0.8484 - auroc: 0.69 - ETA: 15:59 - loss: 0.4298 - acc
: 0.8484 - auroc: 0.69 - ETA: 15:54 - loss: 0.4295 - acc: 0.8485 - auroc: 0.69 - ETA: 15:48 - loss
: 0.4297 - acc: 0.8485 - auroc: 0.69 - ETA: 15:42 - loss: 0.4295 - acc: 0.8485 - auroc: 0.69 - ETA
: 15:36 - loss: 0.4297 - acc: 0.8485 - auroc: 0.69 - ETA: 15:31 - loss: 0.4296 - acc: 0.8485 - aur
oc: 0.69 - ETA: 15:25 - loss: 0.4298 - acc: 0.8484 - auroc: 0.69 - ETA: 15:19 - loss: 0.4298 - acc
: 0.8484 - auroc: 0.69 - ETA: 15:13 - loss: 0.4298 - acc: 0.8485 - auroc: 0.69 - ETA: 15:08 - loss
: 0.4299 - acc: 0.8484 - auroc: 0.69 - ETA: 15:02 - loss: 0.4298 - acc: 0.8484 - auroc: 0.69 - ETA
: 14:56 - loss: 0.4297 - acc: 0.8484 - auroc: 0.69 - ETA: 14:51 - loss: 0.4298 - acc: 0.8484 - aur
oc: 0.69 - ETA: 14:45 - loss: 0.4299 - acc: 0.8483 - auroc: 0.69 - ETA: 14:39 - loss: 0.4298 - acc
: 0.8483 - auroc: 0.69 - ETA: 14:33 - loss: 0.4298 - acc: 0.8484 - auroc: 0.69 - ETA: 14:28 - loss
: 0.4297 - acc: 0.8484 - auroc: 0.69 - ETA: 14:22 - loss: 0.4299 - acc: 0.8483 - auroc: 0.69 - ETA
: 14:16 - loss: 0.4298 - acc: 0.8483 - auroc: 0.69 - ETA: 14:11 - loss: 0.4297 - acc: 0.8483 - aur
oc: 0.69 - ETA: 14:05 - loss: 0.4297 - acc: 0.8484 - auroc: 0.69 - ETA: 13:59 - loss: 0.4299 - acc
: 0.8482 - auroc: 0.69 - ETA: 13:53 - loss: 0.4298 - acc: 0.8483 - auroc: 0.69 - ETA: 13:48 - loss
: 0.4297 - acc: 0.8483 - auroc: 0.69 - ETA: 13:42 - loss: 0.4297 - acc: 0.8483 - auroc: 0.69 - ETA
: 13:36 - loss: 0.4296 - acc: 0.8483 - auroc: 0.69 - ETA: 13:30 - loss: 0.4295 - acc: 0.8484 - aur
oc: 0.69 - ETA: 13:25 - loss: 0.4295 - acc: 0.8484 - auroc: 0.69 - ETA: 13:19 - loss: 0.4296 - acc
: 0.8483 - auroc: 0.69 - ETA: 13:13 - loss: 0.4294 - acc: 0.8483 - auroc: 0.69 - ETA: 13:08 - loss
: 0.4294 - acc: 0.8484 - auroc: 0.69 - ETA: 13:02 - loss: 0.4295 - acc: 0.8483 - auroc: 0.69 - ETA

: 12:56 - loss: 0.4296 - acc: 0.8482 - auroc: 0.69 - ETA: 12:50 - loss: 0.4295 - acc: 0.8483 - aur
oc: 0.69 - ETA: 12:45 - loss: 0.4294 - acc: 0.8483 - auroc: 0.69 - ETA: 12:39 - loss: 0.4293 - acc
: 0.8483 - auroc: 0.69 - ETA: 12:33 - loss: 0.4290 - acc: 0.8485 - auroc: 0.69 - ETA: 12:27 - loss
: 0.4291 - acc: 0.8484 - auroc: 0.69 - ETA: 12:22 - loss: 0.4290 - acc: 0.8484 - auroc: 0.69 - ETA
: 12:16 - loss: 0.4292 - acc: 0.8483 - auroc: 0.69 - ETA: 12:10 - loss: 0.4292 - acc: 0.8483 - aur
oc: 0.69 - ETA: 12:04 - loss: 0.4293 - acc: 0.8483 - auroc: 0.69 - ETA: 11:59 - loss: 0.4293 - acc
: 0.8482 - auroc: 0.69 - ETA: 11:53 - loss: 0.4293 - acc: 0.8482 - auroc: 0.69 - ETA: 11:47 - loss
: 0.4291 - acc: 0.8482 - auroc: 0.69 - ETA: 11:41 - loss: 0.4291 - acc: 0.8482 - auroc: 0.69 - ETA
: 11:36 - loss: 0.4291 - acc: 0.8481 - auroc: 0.69 - ETA: 11:30 - loss: 0.4289 - acc: 0.8482 - aur
oc: 0.69 - ETA: 11:24 - loss: 0.4289 - acc: 0.8483 - auroc: 0.69 - ETA: 11:18 - loss: 0.4290 - acc
: 0.8483 - auroc: 0.69 - ETA: 11:13 - loss: 0.4291 - acc: 0.8483 - auroc: 0.69 - ETA: 11:07 - loss
: 0.4292 - acc: 0.8482 - auroc: 0.69 - ETA: 11:01 - loss: 0.4293 - acc: 0.8481 - auroc: 0.69 - ETA
: 10:56 - loss: 0.4295 - acc: 0.8479 - auroc: 0.69 - ETA: 10:50 - loss: 0.4296 - acc: 0.8478 - aur
oc: 0.69 - ETA: 10:44 - loss: 0.4296 - acc: 0.8479 - auroc: 0.69 - ETA: 10:38 - loss: 0.4298 - acc
: 0.8478 - auroc: 0.69 - ETA: 10:33 - loss: 0.4299 - acc: 0.8477 - auroc: 0.69 - ETA: 10:27 - loss
: 0.4299 - acc: 0.8477 - auroc: 0.69 - ETA: 10:21 - loss: 0.4299 - acc: 0.8477 - auroc:
0.694169918/69918 [==============================] - ETA: 10:15 - loss: 0.4300 - acc: 0.8476 - aur
oc: 0.69 - ETA: 10:10 - loss: 0.4299 - acc: 0.8477 - auroc: 0.69 - ETA: 10:04 - loss: 0.4302 - acc
: 0.8475 - auroc: 0.69 - ETA: 9:58 - loss: 0.4302 - acc: 0.8475 - auroc: 0.6945 - ETA: 9:53 - loss
: 0.4302 - acc: 0.8475 - auroc: 0.694 - ETA: 9:47 - loss: 0.4302 - acc: 0.8475 - auroc: 0.694 - ET
A: 9:41 - loss: 0.4302 - acc: 0.8475 - auroc: 0.694 - ETA: 9:35 - loss: 0.4302 - acc: 0.8475 - aur
oc: 0.694 - ETA: 9:30 - loss: 0.4302 - acc: 0.8475 - auroc: 0.694 - ETA: 9:24 - loss: 0.4300 - acc
: 0.8476 - auroc: 0.694 - ETA: 9:18 - loss: 0.4300 - acc: 0.8477 - auroc: 0.694 - ETA: 9:12 - loss
: 0.4300 - acc: 0.8477 - auroc: 0.694 - ETA: 9:07 - loss: 0.4303 - acc: 0.8475 - auroc: 0.694 - ET
A: 9:01 - loss: 0.4303 - acc: 0.8475 - auroc: 0.695 - ETA: 8:55 - loss: 0.4304 - acc: 0.8474 - aur
oc: 0.695 - ETA: 8:49 - loss: 0.4303 - acc: 0.8474 - auroc: 0.695 - ETA: 8:44 - loss: 0.4304 - acc
: 0.8474 - auroc: 0.695 - ETA: 8:38 - loss: 0.4304 - acc: 0.8474 - auroc: 0.695 - ETA: 8:32 - loss
: 0.4304 - acc: 0.8474 - auroc: 0.695 - ETA: 8:26 - loss: 0.4303 - acc: 0.8474 - auroc: 0.695 - ET
A: 8:21 - loss: 0.4302 - acc: 0.8475 - auroc: 0.695 - ETA: 8:15 - loss: 0.4303 - acc: 0.8475 - aur
oc: 0.695 - ETA: 8:09 - loss: 0.4303 - acc: 0.8475 - auroc: 0.695 - ETA: 8:04 - loss: 0.4304 - acc
: 0.8475 - auroc: 0.694 - ETA: 7:58 - loss: 0.4301 - acc: 0.8476 - auroc: 0.694 - ETA: 7:52 - loss
: 0.4299 - acc: 0.8477 - auroc: 0.694 - ETA: 7:46 - loss: 0.4301 - acc: 0.8476 - auroc: 0.694 - ET
A: 7:41 - loss: 0.4299 - acc: 0.8477 - auroc: 0.695 - ETA: 7:35 - loss: 0.4300 - acc: 0.8476 - aur
oc: 0.695 - ETA: 7:29 - loss: 0.4299 - acc: 0.8477 - auroc: 0.695 - ETA: 7:23 - loss: 0.4298 - acc
: 0.8478 - auroc: 0.695 - ETA: 7:18 - loss: 0.4297 - acc: 0.8479 - auroc: 0.694 - ETA: 7:12 - loss
: 0.4297 - acc: 0.8478 - auroc: 0.694 - ETA: 7:06 - loss: 0.4296 - acc: 0.8479 - auroc: 0.695 - ET
A: 7:00 - loss: 0.4295 - acc: 0.8479 - auroc: 0.695 - ETA: 6:55 - loss: 0.4296 - acc: 0.8478 - aur
oc: 0.695 - ETA: 6:49 - loss: 0.4297 - acc: 0.8478 - auroc: 0.695 - ETA: 6:43 - loss: 0.4297 - acc
: 0.8477 - auroc: 0.695 - ETA: 6:37 - loss: 0.4298 - acc: 0.8476 - auroc: 0.695 - ETA: 6:32 - loss
: 0.4300 - acc: 0.8475 - auroc: 0.695 - ETA: 6:26 - loss: 0.4299 - acc: 0.8476 - auroc: 0.695 - ET
A: 6:20 - loss: 0.4298 - acc: 0.8476 - auroc: 0.695 - ETA: 6:14 - loss: 0.4297 - acc: 0.8477 - aur
oc: 0.695 - ETA: 6:09 - loss: 0.4297 - acc: 0.8477 - auroc: 0.695 - ETA: 6:03 - loss: 0.4296 - acc
: 0.8477 - auroc: 0.695 - ETA: 5:57 - loss: 0.4298 - acc: 0.8476 - auroc: 0.695 - ETA: 5:51 - loss
: 0.4296 - acc: 0.8477 - auroc: 0.695 - ETA: 5:46 - loss: 0.4295 - acc: 0.8478 - auroc: 0.695 - ET
A: 5:40 - loss: 0.4296 - acc: 0.8477 - auroc: 0.695 - ETA: 5:34 - loss: 0.4296 - acc: 0.8478 - aur
oc: 0.695 - ETA: 5:29 - loss: 0.4296 - acc: 0.8478 - auroc: 0.695 - ETA: 5:23 - loss: 0.4297 - acc
: 0.8477 - auroc: 0.695 - ETA: 5:17 - loss: 0.4296 - acc: 0.8478 - auroc: 0.694 - ETA: 5:11 - loss
: 0.4295 - acc: 0.8478 - auroc: 0.694 - ETA: 5:06 - loss: 0.4295 - acc: 0.8479 - auroc: 0.694 - ET
A: 5:00 - loss: 0.4294 - acc: 0.8479 - auroc: 0.694 - ETA: 4:54 - loss: 0.4291 - acc: 0.8481 - aur
oc: 0.694 - ETA: 4:48 - loss: 0.4291 - acc: 0.8481 - auroc: 0.694 - ETA: 4:43 - loss: 0.4294 - acc
: 0.8479 - auroc: 0.694 - ETA: 4:37 - loss: 0.4293 - acc: 0.8480 - auroc: 0.694 - ETA: 4:31 - loss
: 0.4294 - acc: 0.8479 - auroc: 0.694 - ETA: 4:25 - loss: 0.4292 - acc: 0.8480 - auroc: 0.694 - ET
A: 4:20 - loss: 0.4291 - acc: 0.8481 - auroc: 0.694 - ETA: 4:14 - loss: 0.4292 - acc: 0.8480 - aur
oc: 0.694 - ETA: 4:08 - loss: 0.4292 - acc: 0.8480 - auroc: 0.694 - ETA: 4:02 - loss: 0.4292 - acc
: 0.8480 - auroc: 0.694 - ETA: 3:57 - loss: 0.4291 - acc: 0.8480 - auroc: 0.694 - ETA: 3:51 - loss
: 0.4290 - acc: 0.8481 - auroc: 0.695 - ETA: 3:45 - loss: 0.4290 - acc: 0.8481 - auroc: 0.694 - ET
A: 3:39 - loss: 0.4290 - acc: 0.8481 - auroc: 0.694 - ETA: 3:34 - loss: 0.4290 - acc: 0.8480 - aur
oc: 0.695 - ETA: 3:28 - loss: 0.4289 - acc: 0.8481 - auroc: 0.695 - ETA: 3:22 - loss: 0.4289 - acc
: 0.8481 - auroc: 0.695 - ETA: 3:16 - loss: 0.4287 - acc: 0.8481 - auroc: 0.695 - ETA: 3:11 - loss
: 0.4287 - acc: 0.8481 - auroc: 0.695 - ETA: 3:05 - loss: 0.4286 - acc: 0.8482 - auroc: 0.695 - ET
A: 2:59 - loss: 0.4286 - acc: 0.8482 - auroc: 0.695 - ETA: 2:53 - loss: 0.4285 - acc: 0.8482 - aur
oc: 0.695 - ETA: 2:48 - loss: 0.4283 - acc: 0.8483 - auroc: 0.695 - ETA: 2:42 - loss: 0.4281 - acc
: 0.8484 - auroc: 0.696 - ETA: 2:36 - loss: 0.4281 - acc: 0.8483 - auroc: 0.696 - ETA: 2:30 - loss
: 0.4281 - acc: 0.8483 - auroc: 0.696 - ETA: 2:25 - loss: 0.4282 - acc: 0.8482 - auroc: 0.696 - ET
A: 2:19 - loss: 0.4280 - acc: 0.8484 - auroc: 0.696 - ETA: 2:13 - loss: 0.4280 - acc: 0.8483 - aur
oc: 0.696 - ETA: 2:07 - loss: 0.4278 - acc: 0.8484 - auroc: 0.696 - ETA: 2:02 - loss: 0.4277 - acc
: 0.8484 - auroc: 0.696 - ETA: 1:56 - loss: 0.4278 - acc: 0.8484 - auroc: 0.696 - ETA: 1:50 - loss
: 0.4277 - acc: 0.8484 - auroc: 0.696 - ETA: 1:44 - loss: 0.4278 - acc: 0.8484 - auroc: 0.696 - ET
A: 1:39 - loss: 0.4278 - acc: 0.8484 - auroc: 0.696 - ETA: 1:33 - loss: 0.4276 - acc: 0.8485 - aur
oc: 0.696 - ETA: 1:27 - loss: 0.4277 - acc: 0.8485 - auroc: 0.696 - ETA: 1:21 - loss: 0.4278 - acc
: 0.8484 - auroc: 0.696 - ETA: 1:16 - loss: 0.4276 - acc: 0.8485 - auroc: 0.696 - ETA: 1:10 - loss
: 0.4276 - acc: 0.8485 - auroc: 0.696 - ETA: 1:04 - loss: 0.4276 - acc: 0.8485 - auroc: 0.697 - ET
A: 58s - loss: 0.4275 - acc: 0.8486 - auroc: 0.697 - ETA: 53s - loss: 0.4275 - acc: 0.8486 - auroc
: 0.69 - ETA: 47s - loss: 0.4276 - acc: 0.8485 - auroc: 0.69 - ETA: 41s - loss: 0.4275 - acc: 0.84
86 - auroc: 0.69 - ETA: 35s - loss: 0.4274 - acc: 0.8487 - auroc: 0.69 - ETA: 30s - loss: 0.4276 -
acc: 0.8486 - auroc: 0.69 - ETA: 24s - loss: 0.4278 - acc: 0.8485 - auroc: 0.69 - ETA: 18s - loss:
0.4279 - acc: 0.8484 - auroc: 0.69 - ETA: 12s - loss: 0.4278 - acc: 0.8485 - auroc: 0.69 - ETA: 7s

```
- loss: 0.4277 - acc: 0.8486 - auroc: 0.6963 - ETA: 1s - loss: 0.4278 - acc: 0.8486 - auroc: 0.696
- 3351s 48ms/step - loss: 0.4279 - acc: 0.8486 - auroc: 0.6961 - val_loss: 0.4381 - val_acc: 0.848
6 - val_auroc: 0.7095
Epoch 10/15
18688/69918 [=======>......................] - ETA: 53:56 - loss: 0.3671 - acc: 0.8828 - auroc: 0.
74 - ETA: 52:43 - loss: 0.4109 - acc: 0.8672 - auroc: 0.70 - ETA: 52:20 - loss: 0.4267 - acc: 0.86
46 - auroc: 0.69 - ETA: 52:22 - loss: 0.4202 - acc: 0.8691 - auroc: 0.69 - ETA: 52:20 - loss: 0.42
08 - acc: 0.8688 - auroc: 0.70 - ETA: 52:13 - loss: 0.4286 - acc: 0.8672 - auroc: 0.68 - ETA: 52:0
6 - loss: 0.4206 - acc: 0.8717 - auroc: 0.68 - ETA: 52:05 - loss: 0.4243 - acc: 0.8672 - auroc: 0.
69 - ETA: 51:56 - loss: 0.4203 - acc: 0.8698 - auroc: 0.68 - ETA: 51:49 - loss: 0.4202 - acc: 0.86
72 - auroc: 0.69 - ETA: 51:44 - loss: 0.4259 - acc: 0.8643 - auroc: 0.69 - ETA: 51:40 - loss: 0.41
76 - acc: 0.8685 - auroc: 0.69 - ETA: 51:32 - loss: 0.4156 - acc: 0.8684 - auroc: 0.70 - ETA: 51:2
5 - loss: 0.4129 - acc: 0.8694 - auroc: 0.70 - ETA: 51:21 - loss: 0.4080 - acc: 0.8703 - auroc: 0.
70 - ETA: 51:15 - loss: 0.4103 - acc: 0.8682 - auroc: 0.71 - ETA: 51:11 - loss: 0.4097 - acc: 0.86
86 - auroc: 0.70 - ETA: 51:08 - loss: 0.4110 - acc: 0.8672 - auroc: 0.70 - ETA: 51:00 - loss: 0.40
98 - acc: 0.8676 - auroc: 0.69 - ETA: 50:53 - loss: 0.4046 - acc: 0.8691 - auroc: 0.70 - ETA: 50:5
1 - loss: 0.4080 - acc: 0.8668 - auroc: 0.70 - ETA: 50:46 - loss: 0.4098 - acc: 0.8651 - auroc: 0.
70 - ETA: 50:40 - loss: 0.4120 - acc: 0.8635 - auroc: 0.70 - ETA: 50:35 - loss: 0.4102 - acc: 0.86
46 - auroc: 0.70 - ETA: 50:25 - loss: 0.4111 - acc: 0.8634 - auroc: 0.70 - ETA: 50:20 - loss: 0.41
72 - acc: 0.8597 - auroc: 0.70 - ETA: 50:15 - loss: 0.4207 - acc: 0.8573 - auroc: 0.70 - ETA: 50:0
8 - loss: 0.4256 - acc: 0.8546 - auroc: 0.69 - ETA: 50:03 - loss: 0.4250 - acc: 0.8553 - auroc: 0.
69 - ETA: 49:57 - loss: 0.4269 - acc: 0.8547 - auroc: 0.69 - ETA: 49:51 - loss: 0.4250 - acc: 0.85
66 - auroc: 0.69 - ETA: 49:46 - loss: 0.4233 - acc: 0.8577 - auroc: 0.69 - ETA: 49:40 - loss: 0.42
21 - acc: 0.8582 - auroc: 0.69 - ETA: 49:36 - loss: 0.4217 - acc: 0.8585 - auroc: 0.69 - ETA: 49:3
0 - loss: 0.4197 - acc: 0.8598 - auroc: 0.69 - ETA: 49:24 - loss: 0.4175 - acc: 0.8609 - auroc: 0.
69 - ETA: 49:20 - loss: 0.4171 - acc: 0.8611 - auroc: 0.69 - ETA: 49:13 - loss: 0.4176 - acc: 0.86
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73 - acc: 0.8609 - auroc: 0.69 - ETA: 48:56 - loss: 0.4204 - acc: 0.8588 - auroc: 0.69 - ETA: 48:5
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69 - ETA: 48:42 - loss: 0.4215 - acc: 0.8576 - auroc: 0.69 - ETA: 48:36 - loss: 0.4210 - acc: 0.85
80 - auroc: 0.69 - ETA: 48:28 - loss: 0.4225 - acc: 0.8568 - auroc: 0.69 - ETA: 48:23 - loss: 0.42
10 - acc: 0.8579 - auroc: 0.69 - ETA: 48:18 - loss: 0.4224 - acc: 0.8568 - auroc: 0.69 - ETA: 48:1
2 - loss: 0.4227 - acc: 0.8568 - auroc: 0.69 - ETA: 48:07 - loss: 0.4231 - acc: 0.8564 - auroc: 0.
69 - ETA: 48:01 - loss: 0.4238 - acc: 0.8559 - auroc: 0.69 - ETA: 47:55 - loss: 0.4265 - acc: 0.85
46 - auroc: 0.69 - ETA: 47:48 - loss: 0.4264 - acc: 0.8547 - auroc: 0.69 - ETA: 47:43 - loss: 0.42
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1 - loss: 0.4263 - acc: 0.8542 - auroc: 0.69 - ETA: 47:26 - loss: 0.4250 - acc: 0.8547 - auroc: 0.
69 - ETA: 47:21 - loss: 0.4251 - acc: 0.8543 - auroc: 0.69 - ETA: 47:16 - loss: 0.4247 - acc: 0.85
43 - auroc: 0.69 - ETA: 47:10 - loss: 0.4258 - acc: 0.8536 - auroc: 0.69 - ETA: 47:05 - loss: 0.42
55 - acc: 0.8540 - auroc: 0.69 - ETA: 47:00 - loss: 0.4244 - acc: 0.8547 - auroc: 0.69 - ETA: 46:5
4 - loss: 0.4253 - acc: 0.8542 - auroc: 0.69 - ETA: 46:48 - loss: 0.4259 - acc: 0.8539 - auroc: 0.
69 - ETA: 46:42 - loss: 0.4260 - acc: 0.8535 - auroc: 0.69 - ETA: 46:37 - loss: 0.4249 - acc: 0.85
38 - auroc: 0.69 - ETA: 46:31 - loss: 0.4244 - acc: 0.8540 - auroc: 0.69 - ETA: 46:26 - loss: 0.42
36 - acc: 0.8542 - auroc: 0.69 - ETA: 46:20 - loss: 0.4238 - acc: 0.8543 - auroc: 0.69 - ETA: 46:1
5 - loss: 0.4245 - acc: 0.8536 - auroc: 0.69 - ETA: 46:09 - loss: 0.4248 - acc: 0.8529 - auroc: 0.
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39 - auroc: 0.69 - ETA: 45:52 - loss: 0.4224 - acc: 0.8541 - auroc: 0.69 - ETA: 45:46 - loss: 0.42
44 - acc: 0.8533 - auroc: 0.69 - ETA: 45:41 - loss: 0.4234 - acc: 0.8537 - auroc: 0.69 - ETA: 45:3
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29 - auroc: 0.69 - ETA: 45:11 - loss: 0.4261 - acc: 0.8521 - auroc: 0.69 - ETA: 45:06 - loss: 0.42
60 - acc: 0.8521 - auroc: 0.69 - ETA: 45:00 - loss: 0.4260 - acc: 0.8522 - auroc: 0.69 - ETA: 44:5
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69 - ETA: 44:42 - loss: 0.4249 - acc: 0.8527 - auroc: 0.69 - ETA: 44:36 - loss: 0.4257 - acc: 0.85
19 - auroc: 0.69 - ETA: 44:31 - loss: 0.4264 - acc: 0.8515 - auroc: 0.69 - ETA: 44:25 - loss: 0.42
62 - acc: 0.8514 - auroc: 0.69 - ETA: 44:19 - loss: 0.4254 - acc: 0.8516 - auroc: 0.69 - ETA: 44:1
4 - loss: 0.4257 - acc: 0.8515 - auroc: 0.69 - ETA: 44:08 - loss: 0.4267 - acc: 0.8509 - auroc: 0.
69 - ETA: 44:02 - loss: 0.4257 - acc: 0.8513 - auroc: 0.69 - ETA: 43:57 - loss: 0.4259 - acc: 0.85
09 - auroc: 0.69 - ETA: 43:52 - loss: 0.4265 - acc: 0.8504 - auroc: 0.69 - ETA: 43:46 - loss: 0.42
64 - acc: 0.8503 - auroc: 0.69 - ETA: 43:41 - loss: 0.4256 - acc: 0.8505 - auroc: 0.70 - ETA: 43:3
6 - loss: 0.4253 - acc: 0.8506 - auroc: 0.70 - ETA: 43:30 - loss: 0.4243 - acc: 0.8512 - auroc: 0.
70 - ETA: 43:24 - loss: 0.4237 - acc: 0.8514 - auroc: 0.70 - ETA: 43:19 - loss: 0.4237 - acc: 0.85
14 - auroc: 0.70 - ETA: 43:13 - loss: 0.4241 - acc: 0.8512 - auroc: 0.70 - ETA: 43:08 - loss: 0.42
43 - acc: 0.8513 - auroc: 0.70 - ETA: 43:02 - loss: 0.4240 - acc: 0.8513 - auroc: 0.70 - ETA: 42:5
6 - loss: 0.4233 - acc: 0.8518 - auroc: 0.70 - ETA: 42:50 - loss: 0.4225 - acc: 0.8520 - auroc: 0.
70 - ETA: 42:44 - loss: 0.4223 - acc: 0.8522 - auroc: 0.70 - ETA: 42:39 - loss: 0.4219 - acc: 0.85
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17 - acc: 0.8526 - auroc: 0.70 - ETA: 42:22 - loss: 0.4219 - acc: 0.8525 - auroc: 0.70 - ETA: 42:1
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23 - auroc: 0.69 - ETA: 41:13 - loss: 0.4224 - acc: 0.8521 - auroc: 0.70 - ETA: 41:08 - loss: 0.42
33 - acc: 0.8514 - auroc: 0.70 - ETA: 41:02 - loss: 0.4233 - acc: 0.8514 - auroc: 0.70 - ETA: 40:5
6 - loss: 0.4227 - acc: 0.8518 - auroc: 0.70 - ETA: 40:51 - loss: 0.4229 - acc: 0.8517 - auroc: 0.
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10 - auroc: 0.70 - ETA: 40:33 - loss: 0.4243 - acc: 0.8506 - auroc: 0.70 - ETA: 40:28 - loss: 0.42
43 - acc: 0.8507 - auroc: 0.69 - ETA: 40:22 - loss: 0.4243 - acc: 0.8507 - auroc: 0.69 - ETA: 40:1
6 - loss: 0.4241 - acc: 0.8509 - auroc: 0.69 - ETA: 40:11 - loss: 0.4243 - acc: 0.8506 - auroc: 0.
69 - ETA: 40:05 - loss: 0.4248 - acc: 0.8503 - auroc: 0.69 - ETA: 40:00 - loss: 0.4250 - acc: 0.85
02 - auroc: 0.69 - ETA: 39:54 - loss: 0.4252 - acc: 0.8498 - auroc: 0.70 - ETA: 39:51 - loss: 0.42
56 - acc: 0.8497 - auroc: 0.69 - ETA: 40:00 - loss: 0.4257 - acc: 0.8497 - auroc: 0.69 - ETA: 40:0
6 - loss: 0.4261 - acc: 0.8493 - auroc: 0.69 - ETA: 40:16 - loss: 0.4262 - acc: 0.8492 - auroc: 0.
69 - ETA: 40:26 - loss: 0.4266 - acc: 0.8491 - auroc: 0.69 - ETA: 40:35 - loss: 0.4265 - acc: 0.84
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65 - acc: 0.8492 - auroc: 0.69 - ETA: 40:58 - loss: 0.4265 - acc: 0.8493 - auroc:
0.697837376/69918 [================>..............] - ETA: 41:05 - loss: 0.4261 - acc: 0.8495 - aur
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: 0.8496 - auroc: 0.69 - ETA: 41:27 - loss: 0.4261 - acc: 0.8495 - auroc: 0.69 - ETA: 41:32 - loss
: 0.4258 - acc: 0.8498 - auroc: 0.69 - ETA: 41:39 - loss: 0.4261 - acc: 0.8496 - auroc: 0.69 - ETA
: 41:46 - loss: 0.4264 - acc: 0.8493 - auroc: 0.69 - ETA: 41:52 - loss: 0.4264 - acc: 0.8492 - aur
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: 0.4262 - acc: 0.8495 - auroc: 0.69 - ETA: 41:52 - loss: 0.4263 - acc: 0.8495 - auroc: 0.69 - ETA
: 41:42 - loss: 0.4265 - acc: 0.8493 - auroc: 0.69 - ETA: 41:31 - loss: 0.4264 - acc: 0.8494 - aur
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: 0.8504 - auroc: 0.70 - ETA: 35:46 - loss: 0.4246 - acc: 0.8501 - auroc: 0.70 - ETA: 35:38 - loss
: 0.4246 - acc: 0.8501 - auroc: 0.70 - ETA: 35:31 - loss: 0.4247 - acc: 0.8500 - auroc: 0.70 - ETA
: 35:24 - loss: 0.4248 - acc: 0.8499 - auroc: 0.70 - ETA: 35:16 - loss: 0.4249 - acc: 0.8499 - aur
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: 0.8499 - auroc: 0.70 - ETA: 34:51 - loss: 0.4246 - acc: 0.8501 - auroc: 0.69 - ETA: 34:43 - loss
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: 0.4245 - acc: 0.8499 - auroc: 0.69 - ETA: 32:54 - loss: 0.4245 - acc: 0.8498 - auroc: 0.69 - ETA
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: 0.8501 - auroc: 0.70 - ETA: 32:16 - loss: 0.4236 - acc: 0.8503 - auroc: 0.70 - ETA: 32:09 - loss
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: 0.4235 - acc: 0.8502 - auroc: 0.69 - ETA: 29:33 - loss: 0.4239 - acc: 0.8500 - auroc: 0.69 - ETA
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: 0.8501 - auroc: 0.69 - ETA: 28:58 - loss: 0.4239 - acc: 0.8499 - auroc: 0.69 - ETA: 28:51 - loss
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: 0.8501 - auroc: 0.69 - ETA: 28:11 - loss: 0.4232 - acc: 0.8502 - auroc: 0.69 - ETA: 28:04 - loss
: 0.4231 - acc: 0.8503 - auroc: 0.69 - ETA: 27:57 - loss: 0.4231 - acc: 0.8502 - auroc: 0.70 - ETA
: 27:50 - loss: 0.4230 - acc: 0.8502 - auroc: 0.70 - ETA: 27:44 - loss: 0.4228 - acc: 0.8504 - aur
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: 26:21 - loss: 0.4231 - acc: 0.8499 - auroc: 0.70 - ETA: 26:14 - loss: 0.4233 - acc: 0.8497 - aur
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: 0.4238 - acc: 0.8494 - auroc: 0.70 - ETA: 25:43 - loss: 0.4241 - acc: 0.8492 - auroc: 0.70 - ETA
: 25:36 - loss: 0.4241 - acc: 0.8492 - auroc: 0.70 - ETA: 25:30 - loss: 0.4242 - acc: 0.8491 - aur
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: 0.8491 - auroc: 0.70 - ETA: 25:10 - loss: 0.4247 - acc: 0.8491 - auroc: 0.69 - ETA: 25:04 - loss
: 0.4248 - acc: 0.8490 - auroc: 0.70 - ETA: 24:58 - loss: 0.4247 - acc: 0.8492 - auroc:
0.699356064/69918 [=======================>......] - ETA: 24:52 - loss: 0.4246 - acc: 0.8492 - aur
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: 0.4250 - acc: 0.8490 - auroc: 0.69 - ETA: 24:21 - loss: 0.4251 - acc: 0.8490 - auroc: 0.69 - ETA
: 24:14 - loss: 0.4250 - acc: 0.8491 - auroc: 0.69 - ETA: 24:08 - loss: 0.4248 - acc: 0.8492 - aur
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: 0.4243 - acc: 0.8494 - auroc: 0.69 - ETA: 23:37 - loss: 0.4243 - acc: 0.8495 - auroc: 0.69 - ETA
: 23:30 - loss: 0.4245 - acc: 0.8494 - auroc: 0.69 - ETA: 23:24 - loss: 0.4245 - acc: 0.8494 - aur
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: 0.8492 - auroc: 0.69 - ETA: 23:04 - loss: 0.4249 - acc: 0.8491 - auroc: 0.69 - ETA: 22:57 - loss
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: 0.8492 - auroc: 0.69 - ETA: 19:30 - loss: 0.4246 - acc: 0.8493 - auroc: 0.69 - ETA: 19:23 - loss
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: 0.4253 - acc: 0.8492 - auroc: 0.69 - ETA: 18:35 - loss: 0.4251 - acc: 0.8493 - auroc: 0.69 - ETA
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: 0.8495 - auroc: 0.69 - ETA: 13:14 - loss: 0.4252 - acc: 0.8495 - auroc: 0.69 - ETA: 13:08 - loss
: 0.4253 - acc: 0.8494 - auroc: 0.69 - ETA: 13:02 - loss: 0.4254 - acc: 0.8494 - auroc: 0.69 - ETA
: 12:57 - loss: 0.4255 - acc: 0.8493 - auroc: 0.69 - ETA: 12:51 - loss: 0.4255 - acc: 0.8492 - aur
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: 0.4252 - acc: 0.8494 - auroc: 0.69 - ETA: 12:21 - loss: 0.4251 - acc: 0.8494 - auroc: 0.69 - ETA
: 12:16 - loss: 0.4250 - acc: 0.8494 - auroc: 0.70 - ETA: 12:10 - loss: 0.4250 - acc: 0.8494 - aur
oc: 0.70 - ETA: 12:04 - loss: 0.4250 - acc: 0.8494 - auroc: 0.69 - ETA: 11:58 - loss: 0.4252 - acc
: 0.8494 - auroc: 0.69 - ETA: 11:52 - loss: 0.4252 - acc: 0.8494 - auroc: 0.69 - ETA: 11:45 - loss
: 0.4251 - acc: 0.8494 - auroc: 0.69 - ETA: 11:38 - loss: 0.4251 - acc: 0.8494 - auroc: 0.69 - ETA
: 11:31 - loss: 0.4252 - acc: 0.8494 - auroc: 0.69 - ETA: 11:25 - loss: 0.4253 - acc: 0.8493 - aur
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: 0.8494 - auroc: 0.70 - ETA: 11:05 - loss: 0.4252 - acc: 0.8494 - auroc: 0.70 - ETA: 10:58 - loss
: 0.4251 - acc: 0.8494 - auroc: 0.70 - ETA: 10:51 - loss: 0.4252 - acc: 0.8493 - auroc: 0.70 - ETA
: 10:45 - loss: 0.4251 - acc: 0.8494 - auroc: 0.70 - ETA: 10:38 - loss: 0.4249 - acc: 0.8495 - aur
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0.700869918/69918 [==============================] - ETA: 10:00 - loss: 0.4249 - acc: 0.8494 - aur
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: 0.4244 - acc: 0.8496 - auroc: 0.701 - ETA: 9:28 - loss: 0.4243 - acc: 0.8497 - auroc: 0.700 - ET
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: 0.4246 - acc: 0.8495 - auroc: 0.701 - ETA: 8:45 - loss: 0.4245 - acc: 0.8495 - auroc: 0.701 - ET
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: 0.4253 - acc: 0.8491 - auroc: 0.701 - ETA: 8:02 - loss: 0.4252 - acc: 0.8491 - auroc: 0.701 - ET
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: 0.4254 - acc: 0.8490 - auroc: 0.701 - ETA: 7:20 - loss: 0.4254 - acc: 0.8490 - auroc: 0.701 - ET
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: 0.4251 - acc: 0.8492 - auroc: 0.701 - ETA: 6:39 - loss: 0.4250 - acc: 0.8493 - auroc: 0.701 - ET
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: 0.8493 - auroc: 0.701 - ETA: 6:10 - loss: 0.4249 - acc: 0.8494 - auroc: 0.701 - ETA: 6:04 - loss
: 0.4251 - acc: 0.8493 - auroc: 0.701 - ETA: 5:58 - loss: 0.4250 - acc: 0.8493 - auroc: 0.701 - ET
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: 0.8493 - auroc: 0.701 - ETA: 4:12 - loss: 0.4250 - acc: 0.8493 - auroc: 0.701 - ETA: 4:06 - loss
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: 0.8493 - auroc: 0.701 - ETA: 3:33 - loss: 0.4247 - acc: 0.8494 - auroc: 0.701 - ETA: 3:28 - loss
: 0.4248 - acc: 0.8494 - auroc: 0.701 - ETA: 3:23 - loss: 0.4249 - acc: 0.8493 - auroc: 0.701 - ET
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: 0.8491 - auroc: 0.702 - ETA: 2:56 - loss: 0.4250 - acc: 0.8490 - auroc: 0.702 - ETA: 2:51 - loss
: 0.4248 - acc: 0.8491 - auroc: 0.702 - ETA: 2:45 - loss: 0.4247 - acc: 0.8492 - auroc: 0.702 - ET
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: 0.4247 - acc: 0.8491 - auroc: 0.703 - ETA: 2:08 - loss: 0.4247 - acc: 0.8492 - auroc: 0.703 - ET
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```

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oc: 0.702 - ETA: 1:17 - loss: 0.4254 - acc: 0.8489 - auroc: 0.702 - ETA: 1:12 - loss: 0.4253 - acc
: 0.8490 - auroc: 0.702 - ETA: 1:06 - loss: 0.4255 - acc: 0.8489 - auroc: 0.702 - ETA: 1:01 - loss
: 0.4255 - acc: 0.8490 - auroc: 0.702 - ETA: 56s - loss: 0.4255 - acc: 0.8489 - auroc: 0.702 - ETA
: 51s - loss: 0.4256 - acc: 0.8489 - auroc: 0.70 - ETA: 46s - loss: 0.4257 - acc: 0.8489 - auroc:
0.70 - ETA: 41s - loss: 0.4258 - acc: 0.8488 - auroc: 0.70 - ETA: 36s - loss: 0.4258 - acc: 0.8488
- auroc: 0.70 - ETA: 31s - loss: 0.4258 - acc: 0.8488 - auroc: 0.70 - ETA: 26s - loss: 0.4260 - ac
c: 0.8487 - auroc: 0.70 - ETA: 21s - loss: 0.4260 - acc: 0.8488 - auroc: 0.70 - ETA: 16s - loss: 0
.4260 - acc: 0.8487 - auroc: 0.70 - ETA: 11s - loss: 0.4262 - acc: 0.8486 - auroc: 0.70 - ETA: 6s
- loss: 0.4261 - acc: 0.8486 - auroc: 0.7022 - ETA: 1s - loss: 0.4262 - acc: 0.8486 - auroc: 0.702
- 2820s 40ms/step - loss: 0.4262 - acc: 0.8486 - auroc: 0.7024 - val_loss: 0.4254 - val_acc: 0.848
6 - val_auroc: 0.7032
Epoch 11/15
18688/69918 [=======>......................] - ETA: 21:08 - loss: 0.5381 - acc: 0.7891 - auroc: 0.
67 - ETA: 22:01 - loss: 0.4858 - acc: 0.8242 - auroc: 0.62 - ETA: 22:29 - loss: 0.4557 - acc: 0.83
85 - auroc: 0.65 - ETA: 22:22 - loss: 0.4421 - acc: 0.8457 - auroc: 0.66 - ETA: 22:22 - loss: 0.44
46 - acc: 0.8453 - auroc: 0.66 - ETA: 22:13 - loss: 0.4409 - acc: 0.8464 - auroc: 0.66 - ETA: 22:0
6 - loss: 0.4477 - acc: 0.8449 - auroc: 0.65 - ETA: 22:00 - loss: 0.4392 - acc: 0.8486 - auroc: 0.
66 - ETA: 21:54 - loss: 0.4311 - acc: 0.8524 - auroc: 0.67 - ETA: 21:50 - loss: 0.4216 - acc: 0.85
70 - auroc: 0.67 - ETA: 21:46 - loss: 0.4207 - acc: 0.8565 - auroc: 0.67 - ETA: 21:41 - loss: 0.42
37 - acc: 0.8542 - auroc: 0.67 - ETA: 21:38 - loss: 0.4232 - acc: 0.8540 - auroc: 0.67 - ETA: 21:3
5 - loss: 0.4167 - acc: 0.8560 - auroc: 0.67 - ETA: 21:34 - loss: 0.4187 - acc: 0.8542 - auroc: 0.
68 - ETA: 21:32 - loss: 0.4197 - acc: 0.8535 - auroc: 0.68 - ETA: 21:28 - loss: 0.4231 - acc: 0.85
20 - auroc: 0.68 - ETA: 21:25 - loss: 0.4193 - acc: 0.8533 - auroc: 0.68 - ETA: 21:21 - loss: 0.41
92 - acc: 0.8524 - auroc: 0.69 - ETA: 21:19 - loss: 0.4190 - acc: 0.8523 - auroc: 0.69 - ETA: 21:1
6 - loss: 0.4204 - acc: 0.8508 - auroc: 0.69 - ETA: 21:13 - loss: 0.4219 - acc: 0.8501 - auroc: 0.
69 - ETA: 21:10 - loss: 0.4245 - acc: 0.8478 - auroc: 0.69 - ETA: 21:08 - loss: 0.4249 - acc: 0.84
60 - auroc: 0.70 - ETA: 21:04 - loss: 0.4242 - acc: 0.8469 - auroc: 0.69 - ETA: 21:01 - loss: 0.42
53 - acc: 0.8471 - auroc: 0.69 - ETA: 20:57 - loss: 0.4226 - acc: 0.8495 - auroc: 0.69 - ETA: 20:5
4 - loss: 0.4224 - acc: 0.8504 - auroc: 0.69 - ETA: 20:51 - loss: 0.4251 - acc: 0.8491 - auroc: 0.
69 - ETA: 20:48 - loss: 0.4261 - acc: 0.8487 - auroc: 0.69 - ETA: 20:46 - loss: 0.4247 - acc: 0.84
93 - auroc: 0.69 - ETA: 20:42 - loss: 0.4225 - acc: 0.8501 - auroc: 0.69 - ETA: 20:40 - loss: 0.41
81 - acc: 0.8527 - auroc: 0.69 - ETA: 20:38 - loss: 0.4178 - acc: 0.8523 - auroc: 0.70 - ETA: 20:3
5 - loss: 0.4174 - acc: 0.8527 - auroc: 0.69 - ETA: 20:32 - loss: 0.4160 - acc: 0.8537 - auroc: 0.
69 - ETA: 20:29 - loss: 0.4168 - acc: 0.8535 - auroc: 0.69 - ETA: 20:27 - loss: 0.4181 - acc: 0.85
26 - auroc: 0.69 - ETA: 20:25 - loss: 0.4195 - acc: 0.8514 - auroc: 0.69 - ETA: 20:22 - loss: 0.42
09 - acc: 0.8512 - auroc: 0.69 - ETA: 20:19 - loss: 0.4199 - acc: 0.8516 - auroc: 0.69 - ETA: 20:1
8 - loss: 0.4187 - acc: 0.8521 - auroc: 0.69 - ETA: 20:15 - loss: 0.4195 - acc: 0.8516 - auroc: 0.
69 - ETA: 20:12 - loss: 0.4194 - acc: 0.8519 - auroc: 0.69 - ETA: 20:10 - loss: 0.4187 - acc: 0.85
26 - auroc: 0.69 - ETA: 20:07 - loss: 0.4190 - acc: 0.8524 - auroc: 0.69 - ETA: 20:05 - loss: 0.41
90 - acc: 0.8524 - auroc: 0.69 - ETA: 20:02 - loss: 0.4183 - acc: 0.8524 - auroc: 0.69 - ETA: 20:0
0 - loss: 0.4175 - acc: 0.8524 - auroc: 0.69 - ETA: 19:57 - loss: 0.4157 - acc: 0.8533 - auroc: 0.
69 - ETA: 19:54 - loss: 0.4152 - acc: 0.8531 - auroc: 0.69 - ETA: 19:52 - loss: 0.4144 - acc: 0.85
37 - auroc: 0.69 - ETA: 19:50 - loss: 0.4139 - acc: 0.8539 - auroc: 0.69 - ETA: 19:47 - loss: 0.41
28 - acc: 0.8543 - auroc: 0.70 - ETA: 19:45 - loss: 0.4129 - acc: 0.8543 - auroc: 0.70 - ETA: 19:4
3 - loss: 0.4124 - acc: 0.8544 - auroc: 0.70 - ETA: 19:40 - loss: 0.4115 - acc: 0.8546 - auroc: 0.
70 - ETA: 19:38 - loss: 0.4108 - acc: 0.8549 - auroc: 0.70 - ETA: 19:36 - loss: 0.4112 - acc: 0.85
50 - auroc: 0.70 - ETA: 19:33 - loss: 0.4091 - acc: 0.8560 - auroc: 0.70 - ETA: 19:31 - loss: 0.40
83 - acc: 0.8563 - auroc: 0.70 - ETA: 19:28 - loss: 0.4073 - acc: 0.8567 - auroc: 0.70 - ETA: 19:2
6 - loss: 0.4094 - acc: 0.8559 - auroc: 0.70 - ETA: 19:24 - loss: 0.4120 - acc: 0.8546 - auroc: 0.
70 - ETA: 19:22 - loss: 0.4128 - acc: 0.8542 - auroc: 0.70 - ETA: 19:19 - loss: 0.4126 - acc: 0.85
45 - auroc: 0.70 - ETA: 19:17 - loss: 0.4126 - acc: 0.8547 - auroc: 0.70 - ETA: 19:15 - loss: 0.41
35 - acc: 0.8543 - auroc: 0.70 - ETA: 19:12 - loss: 0.4137 - acc: 0.8541 - auroc: 0.70 - ETA: 19:1
0 - loss: 0.4140 - acc: 0.8541 - auroc: 0.70 - ETA: 19:07 - loss: 0.4158 - acc: 0.8533 - auroc: 0.
70 - ETA: 19:05 - loss: 0.4156 - acc: 0.8536 - auroc: 0.70 - ETA: 19:03 - loss: 0.4153 - acc: 0.85
36 - auroc: 0.70 - ETA: 19:01 - loss: 0.4152 - acc: 0.8537 - auroc: 0.70 - ETA: 18:58 - loss: 0.41
65 - acc: 0.8530 - auroc: 0.70 - ETA: 18:56 - loss: 0.4162 - acc: 0.8529 - auroc: 0.70 - ETA: 18:5
3 - loss: 0.4154 - acc: 0.8536 - auroc: 0.70 - ETA: 18:51 - loss: 0.4159 - acc: 0.8532 - auroc: 0.
70 - ETA: 18:48 - loss: 0.4158 - acc: 0.8531 - auroc: 0.70 - ETA: 18:46 - loss: 0.4172 - acc: 0.85
22 - auroc: 0.70 - ETA: 18:43 - loss: 0.4178 - acc: 0.8521 - auroc: 0.70 - ETA: 18:41 - loss: 0.41
79 - acc: 0.8518 - auroc: 0.70 - ETA: 18:39 - loss: 0.4181 - acc: 0.8515 - auroc: 0.70 - ETA: 18:3
6 - loss: 0.4180 - acc: 0.8515 - auroc: 0.70 - ETA: 18:34 - loss: 0.4180 - acc: 0.8515 - auroc: 0.
70 - ETA: 18:31 - loss: 0.4190 - acc: 0.8507 - auroc: 0.70 - ETA: 18:29 - loss: 0.4197 - acc: 0.85
03 - auroc: 0.70 - ETA: 18:26 - loss: 0.4194 - acc: 0.8505 - auroc: 0.70 - ETA: 18:24 - loss: 0.42
04 - acc: 0.8499 - auroc: 0.70 - ETA: 18:21 - loss: 0.4198 - acc: 0.8502 - auroc: 0.70 - ETA: 18:1
9 - loss: 0.4201 - acc: 0.8498 - auroc: 0.70 - ETA: 18:16 - loss: 0.4199 - acc: 0.8498 - auroc: 0.
70 - ETA: 18:14 - loss: 0.4195 - acc: 0.8502 - auroc: 0.70 - ETA: 18:11 - loss: 0.4197 - acc: 0.85
01 - auroc: 0.70 - ETA: 18:09 - loss: 0.4200 - acc: 0.8499 - auroc: 0.70 - ETA: 18:06 - loss: 0.41
94 - acc: 0.8503 - auroc: 0.70 - ETA: 18:04 - loss: 0.4197 - acc: 0.8502 - auroc: 0.70 - ETA: 18:0
2 - loss: 0.4194 - acc: 0.8503 - auroc: 0.70 - ETA: 17:59 - loss: 0.4195 - acc: 0.8502 - auroc: 0.
70 - ETA: 17:57 - loss: 0.4198 - acc: 0.8502 - auroc: 0.70 - ETA: 17:54 - loss: 0.4194 - acc: 0.85
05 - auroc: 0.70 - ETA: 17:52 - loss: 0.4196 - acc: 0.8503 - auroc: 0.70 - ETA: 17:49 - loss: 0.42
10 - acc: 0.8497 - auroc: 0.70 - ETA: 17:47 - loss: 0.4216 - acc: 0.8492 - auroc: 0.70 - ETA: 17:4
5 - loss: 0.4215 - acc: 0.8493 - auroc: 0.70 - ETA: 17:42 - loss: 0.4213 - acc: 0.8496 - auroc: 0.
70 - ETA: 17:40 - loss: 0.4216 - acc: 0.8492 - auroc: 0.70 - ETA: 17:37 - loss: 0.4211 - acc: 0.84
97 - auroc: 0.70 - ETA: 17:35 - loss: 0.4204 - acc: 0.8501 - auroc: 0.70 - ETA: 17:32 - loss: 0.42
11 - acc: 0.8496 - auroc: 0.70 - ETA: 17:30 - loss: 0.4209 - acc: 0.8497 - auroc: 0.70 - ETA: 17:2
```

11 - acc: 0.8496 - auroc: 0.70 - ETA: 17:30 - loss: 0.4209 - acc: 0.8497 - auroc: 0.70 - ETA: 17:2
8 - loss: 0.4209 - acc: 0.8498 - auroc: 0.70 - ETA: 17:25 - loss: 0.4210 - acc: 0.8497 - auroc: 0.
70 - ETA: 17:23 - loss: 0.4217 - acc: 0.8495 - auroc: 0.70 - ETA: 17:21 - loss: 0.4217 - acc: 0.84
96 - auroc: 0.70 - ETA: 17:18 - loss: 0.4215 - acc: 0.8498 - auroc: 0.70 - ETA: 17:16 - loss: 0.42
16 - acc: 0.8498 - auroc: 0.70 - ETA: 17:14 - loss: 0.4216 - acc: 0.8497 - auroc: 0.70 - ETA: 17:1
1 - loss: 0.4219 - acc: 0.8496 - auroc: 0.70 - ETA: 17:09 - loss: 0.4217 - acc: 0.8497 - auroc: 0.
70 - ETA: 17:06 - loss: 0.4216 - acc: 0.8498 - auroc: 0.70 - ETA: 17:04 - loss: 0.4215 - acc: 0.85
00 - auroc: 0.70 - ETA: 17:01 - loss: 0.4221 - acc: 0.8496 - auroc: 0.70 - ETA: 16:59 - loss: 0.42
18 - acc: 0.8496 - auroc: 0.70 - ETA: 16:57 - loss: 0.4212 - acc: 0.8498 - auroc: 0.70 - ETA: 16:5
4 - loss: 0.4215 - acc: 0.8495 - auroc: 0.70 - ETA: 16:52 - loss: 0.4210 - acc: 0.8496 - auroc: 0.
70 - ETA: 16:49 - loss: 0.4217 - acc: 0.8492 - auroc: 0.70 - ETA: 16:47 - loss: 0.4214 - acc: 0.84
94 - auroc: 0.70 - ETA: 16:44 - loss: 0.4214 - acc: 0.8493 - auroc: 0.70 - ETA: 16:42 - loss: 0.42
11 - acc: 0.8495 - auroc: 0.70 - ETA: 16:39 - loss: 0.4214 - acc: 0.8492 - auroc: 0.70 - ETA: 16:3
7 - loss: 0.4221 - acc: 0.8488 - auroc: 0.70 - ETA: 16:34 - loss: 0.4221 - acc: 0.8486 - auroc: 0.
70 - ETA: 16:32 - loss: 0.4232 - acc: 0.8480 - auroc: 0.70 - ETA: 16:30 - loss: 0.4230 - acc: 0.84
82 - auroc: 0.70 - ETA: 16:27 - loss: 0.4232 - acc: 0.8480 - auroc: 0.70 - ETA: 16:25 - loss: 0.42
36 - acc: 0.8477 - auroc: 0.70 - ETA: 16:22 - loss: 0.4230 - acc: 0.8480 - auroc: 0.70 - ETA: 16:2
0 - loss: 0.4228 - acc: 0.8481 - auroc: 0.70 - ETA: 16:17 - loss: 0.4227 - acc: 0.8481 - auroc: 0.
70 - ETA: 16:15 - loss: 0.4228 - acc: 0.8481 - auroc: 0.70 - ETA: 16:13 - loss: 0.4233 - acc: 0.84
78 - auroc: 0.70 - ETA: 16:10 - loss: 0.4230 - acc: 0.8480 - auroc: 0.70 - ETA: 16:08 - loss: 0.42
28 - acc: 0.8481 - auroc: 0.70 - ETA: 16:05 - loss: 0.4229 - acc: 0.8481 - auroc:
0.707737376/69918 [================>..............] - ETA: 16:03 - loss: 0.4226 - acc: 0.8482 - aur
oc: 0.70 - ETA: 16:01 - loss: 0.4227 - acc: 0.8480 - auroc: 0.70 - ETA: 15:58 - loss: 0.4229 - acc
: 0.8479 - auroc: 0.70 - ETA: 15:56 - loss: 0.4225 - acc: 0.8483 - auroc: 0.70 - ETA: 15:53 - loss
: 0.4223 - acc: 0.8484 - auroc: 0.70 - ETA: 15:51 - loss: 0.4218 - acc: 0.8487 - auroc: 0.70 - ETA
: 15:48 - loss: 0.4218 - acc: 0.8488 - auroc: 0.70 - ETA: 15:46 - loss: 0.4216 - acc: 0.8489 - aur
oc: 0.70 - ETA: 15:44 - loss: 0.4212 - acc: 0.8489 - auroc: 0.70 - ETA: 15:41 - loss: 0.4219 - acc
: 0.8486 - auroc: 0.70 - ETA: 15:39 - loss: 0.4216 - acc: 0.8487 - auroc: 0.70 - ETA: 15:36 - loss
: 0.4212 - acc: 0.8490 - auroc: 0.70 - ETA: 15:34 - loss: 0.4214 - acc: 0.8491 - auroc: 0.70 - ETA
: 15:32 - loss: 0.4215 - acc: 0.8490 - auroc: 0.70 - ETA: 15:29 - loss: 0.4215 - acc: 0.8487 - aur
oc: 0.70 - ETA: 15:27 - loss: 0.4216 - acc: 0.8485 - auroc: 0.70 - ETA: 15:25 - loss: 0.4216 - acc
: 0.8484 - auroc: 0.70 - ETA: 15:22 - loss: 0.4216 - acc: 0.8485 - auroc: 0.70 - ETA: 15:20 - loss
: 0.4217 - acc: 0.8484 - auroc: 0.70 - ETA: 15:18 - loss: 0.4218 - acc: 0.8484 - auroc: 0.70 - ETA
: 15:15 - loss: 0.4218 - acc: 0.8483 - auroc: 0.70 - ETA: 15:13 - loss: 0.4218 - acc: 0.8484 - aur
oc: 0.70 - ETA: 15:11 - loss: 0.4220 - acc: 0.8481 - auroc: 0.70 - ETA: 15:08 - loss: 0.4216 - acc
: 0.8483 - auroc: 0.70 - ETA: 15:06 - loss: 0.4214 - acc: 0.8486 - auroc: 0.70 - ETA: 15:03 - loss
: 0.4216 - acc: 0.8486 - auroc: 0.70 - ETA: 15:01 - loss: 0.4212 - acc: 0.8489 - auroc: 0.70 - ETA
: 14:58 - loss: 0.4212 - acc: 0.8490 - auroc: 0.70 - ETA: 14:56 - loss: 0.4205 - acc: 0.8493 - aur
oc: 0.70 - ETA: 14:53 - loss: 0.4196 - acc: 0.8498 - auroc: 0.70 - ETA: 14:51 - loss: 0.4196 - acc
: 0.8498 - auroc: 0.70 - ETA: 14:48 - loss: 0.4202 - acc: 0.8495 - auroc: 0.70 - ETA: 14:46 - loss
: 0.4199 - acc: 0.8496 - auroc: 0.70 - ETA: 14:43 - loss: 0.4201 - acc: 0.8496 - auroc: 0.70 - ETA
: 14:41 - loss: 0.4197 - acc: 0.8497 - auroc: 0.70 - ETA: 14:39 - loss: 0.4196 - acc: 0.8498 - aur
oc: 0.70 - ETA: 14:36 - loss: 0.4197 - acc: 0.8497 - auroc: 0.70 - ETA: 14:34 - loss: 0.4202 - acc
: 0.8494 - auroc: 0.70 - ETA: 14:31 - loss: 0.4203 - acc: 0.8494 - auroc: 0.70 - ETA: 14:29 - loss
: 0.4202 - acc: 0.8495 - auroc: 0.70 - ETA: 14:27 - loss: 0.4204 - acc: 0.8496 - auroc: 0.70 - ETA
: 14:24 - loss: 0.4202 - acc: 0.8498 - auroc: 0.70 - ETA: 14:22 - loss: 0.4206 - acc: 0.8496 - aur
oc: 0.70 - ETA: 14:19 - loss: 0.4203 - acc: 0.8497 - auroc: 0.70 - ETA: 14:17 - loss: 0.4198 - acc
: 0.8499 - auroc: 0.70 - ETA: 14:14 - loss: 0.4200 - acc: 0.8499 - auroc: 0.70 - ETA: 14:12 - loss
: 0.4196 - acc: 0.8502 - auroc: 0.70 - ETA: 14:10 - loss: 0.4202 - acc: 0.8500 - auroc: 0.70 - ETA
: 14:07 - loss: 0.4208 - acc: 0.8496 - auroc: 0.70 - ETA: 14:05 - loss: 0.4210 - acc: 0.8494 - aur
oc: 0.70 - ETA: 14:02 - loss: 0.4210 - acc: 0.8495 - auroc: 0.70 - ETA: 14:00 - loss: 0.4207 - acc
: 0.8496 - auroc: 0.70 - ETA: 13:58 - loss: 0.4210 - acc: 0.8494 - auroc: 0.70 - ETA: 13:55 - loss
: 0.4211 - acc: 0.8493 - auroc: 0.70 - ETA: 13:53 - loss: 0.4215 - acc: 0.8490 - auroc: 0.70 - ETA
: 13:51 - loss: 0.4214 - acc: 0.8492 - auroc: 0.70 - ETA: 13:48 - loss: 0.4214 - acc: 0.8491 - aur
oc: 0.70 - ETA: 13:46 - loss: 0.4214 - acc: 0.8491 - auroc: 0.70 - ETA: 13:43 - loss: 0.4212 - acc
: 0.8493 - auroc: 0.70 - ETA: 13:41 - loss: 0.4208 - acc: 0.8495 - auroc: 0.70 - ETA: 13:38 - loss
: 0.4205 - acc: 0.8496 - auroc: 0.70 - ETA: 13:36 - loss: 0.4206 - acc: 0.8496 - auroc: 0.70 - ETA
: 13:34 - loss: 0.4209 - acc: 0.8494 - auroc: 0.70 - ETA: 13:31 - loss: 0.4209 - acc: 0.8494 - aur
oc: 0.70 - ETA: 13:29 - loss: 0.4213 - acc: 0.8492 - auroc: 0.70 - ETA: 13:26 - loss: 0.4214 - acc
: 0.8492 - auroc: 0.70 - ETA: 13:24 - loss: 0.4213 - acc: 0.8493 - auroc: 0.70 - ETA: 13:21 - loss
: 0.4210 - acc: 0.8495 - auroc: 0.70 - ETA: 13:19 - loss: 0.4210 - acc: 0.8495 - auroc: 0.70 - ETA
: 13:17 - loss: 0.4205 - acc: 0.8498 - auroc: 0.70 - ETA: 13:14 - loss: 0.4205 - acc: 0.8498 - aur
oc: 0.70 - ETA: 13:12 - loss: 0.4207 - acc: 0.8497 - auroc: 0.70 - ETA: 13:09 - loss: 0.4209 - acc
: 0.8496 - auroc: 0.70 - ETA: 13:07 - loss: 0.4208 - acc: 0.8496 - auroc: 0.70 - ETA: 13:04 - loss
: 0.4211 - acc: 0.8494 - auroc: 0.70 - ETA: 13:02 - loss: 0.4209 - acc: 0.8495 - auroc: 0.70 - ETA
: 13:00 - loss: 0.4207 - acc: 0.8496 - auroc: 0.70 - ETA: 12:57 - loss: 0.4210 - acc: 0.8493 - aur
oc: 0.70 - ETA: 12:55 - loss: 0.4210 - acc: 0.8492 - auroc: 0.70 - ETA: 12:52 - loss: 0.4209 - acc
: 0.8492 - auroc: 0.70 - ETA: 12:50 - loss: 0.4209 - acc: 0.8493 - auroc: 0.70 - ETA: 12:47 - loss
: 0.4208 - acc: 0.8492 - auroc: 0.70 - ETA: 12:45 - loss: 0.4205 - acc: 0.8493 - auroc: 0.70 - ETA
: 12:43 - loss: 0.4204 - acc: 0.8493 - auroc: 0.70 - ETA: 12:40 - loss: 0.4208 - acc: 0.8490 - aur
oc: 0.70 - ETA: 12:38 - loss: 0.4209 - acc: 0.8490 - auroc: 0.70 - ETA: 12:35 - loss: 0.4206 - acc
: 0.8492 - auroc: 0.70 - ETA: 12:33 - loss: 0.4209 - acc: 0.8491 - auroc: 0.70 - ETA: 12:30 - loss
: 0.4210 - acc: 0.8491 - auroc: 0.70 - ETA: 12:28 - loss: 0.4211 - acc: 0.8490 - auroc: 0.70 - ETA
: 12:26 - loss: 0.4214 - acc: 0.8488 - auroc: 0.70 - ETA: 12:23 - loss: 0.4218 - acc: 0.8486 - aur
oc: 0.70 - ETA: 12:21 - loss: 0.4218 - acc: 0.8485 - auroc: 0.70 - ETA: 12:18 - loss: 0.4217 - acc
: 0.8485 - auroc: 0.70 - ETA: 12:16 - loss: 0.4219 - acc: 0.8484 - auroc: 0.70 - ETA: 12:14 - loss
: 0.4219 - acc: 0.8484 - auroc: 0.70 - ETA: 12:11 - loss: 0.4218 - acc: 0.8485 - auroc: 0.70 - ETA
: 12:09 - loss: 0.4217 - acc: 0.8486 - auroc: 0.70 - ETA: 12:06 - loss: 0.4221 - acc: 0.8484 - aur

```
: 12:09 - loss: 0.4217 - acc: 0.8486 - auroc: 0.70 - ETA: 12:06 - loss: 0.4221 - acc: 0.8484 - aur
oc: 0.70 - ETA: 12:04 - loss: 0.4218 - acc: 0.8486 - auroc: 0.70 - ETA: 12:02 - loss: 0.4220 - acc
: 0.8486 - auroc: 0.70 - ETA: 11:59 - loss: 0.4223 - acc: 0.8485 - auroc: 0.70 - ETA: 11:57 - loss
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8492 - auroc: 0.703 - ETA: 1:22 - loss: 0.4223 - acc: 0.8490 - auroc: 0.702 - ETA: 1:19 - loss: 0.
4222 - acc: 0.8491 - auroc: 0.703 - ETA: 1:17 - loss: 0.4220 - acc: 0.8492 - auroc: 0.703 - ETA: 1
:15 - loss: 0.4220 - acc: 0.8492 - auroc: 0.703 - ETA: 1:12 - loss: 0.4219 - acc: 0.8491 - auroc:
0.703 - ETA: 1:10 - loss: 0.4219 - acc: 0.8492 - auroc: 0.703 - ETA: 1:07 - loss: 0.4220 - acc: 0.
8491 - auroc: 0.703 - ETA: 1:05 - loss: 0.4220 - acc: 0.8491 - auroc: 0.703 - ETA: 1:03 - loss: 0.
4220 - acc: 0.8491 - auroc: 0.703 - ETA: 1:00 - loss: 0.4221 - acc: 0.8491 - auroc: 0.703 - ETA: 5
8s - loss: 0.4224 - acc: 0.8490 - auroc: 0.703 - ETA: 55s - loss: 0.4226 - acc: 0.8488 - auroc: 0.
70 - ETA: 53s - loss: 0.4226 - acc: 0.8489 - auroc: 0.70 - ETA: 51s - loss: 0.4226 - acc: 0.8488 -
auroc: 0.70 - ETA: 48s - loss: 0.4226 - acc: 0.8488 - auroc: 0.70 - ETA: 46s - loss: 0.4226 - acc:
0.8488 - auroc: 0.70 - ETA: 43s - loss: 0.4227 - acc: 0.8488 - auroc: 0.70 - ETA: 41s - loss: 0.42
26 - acc: 0.8488 - auroc: 0.70 - ETA: 39s - loss: 0.4226 - acc: 0.8488 - auroc: 0.70 - ETA: 36s -
loss: 0.4226 - acc: 0.8488 - auroc: 0.70 - ETA: 34s - loss: 0.4228 - acc: 0.8487 - auroc: 0.70 - E
TA: 31s - loss: 0.4229 - acc: 0.8487 - auroc: 0.70 - ETA: 29s - loss: 0.4229 - acc: 0.8487 - auroc
: 0.70 - ETA: 26s - loss: 0.4229 - acc: 0.8486 - auroc: 0.70 - ETA: 24s - loss: 0.4230 - acc: 0.84
86 - auroc: 0.70 - ETA: 22s - loss: 0.4231 - acc: 0.8486 - auroc: 0.70 - ETA: 19s - loss: 0.4232 -
acc: 0.8485 - auroc: 0.70 - ETA: 17s - loss: 0.4232 - acc: 0.8485 - auroc: 0.70 - ETA: 14s - loss:
0.4233 - acc: 0.8485 - auroc: 0.70 - ETA: 12s - loss: 0.4232 - acc: 0.8486 - auroc: 0.70 - ETA: 10
s - loss: 0.4231 - acc: 0.8486 - auroc: 0.70 - ETA: 7s - loss: 0.4230 - acc: 0.8487 - auroc: 0.702
7 - ETA: 5s - loss: 0.4230 - acc: 0.8487 - auroc: 0.702 - ETA: 2s - loss: 0.4230 - acc: 0.8487 - a
uroc: 0.702 - ETA: 0s - loss: 0.4232 - acc: 0.8486 - auroc: 0.702 - 1404s 20ms/step - loss: 0.4232
- acc: 0.8486 - auroc: 0.7026 - val_loss: 0.4216 - val_acc: 0.8486 - val_auroc: 0.7111
Epoch 12/15
18688/69918 [=======>......................] - ETA: 21:25 - loss: 0.3577 - acc: 0.8906 - auroc: 0.
64 - ETA: 22:14 - loss: 0.3885 - acc: 0.8711 - auroc: 0.68 - ETA: 22:09 - loss: 0.3800 - acc: 0.87
24 - auroc: 0.71 - ETA: 22:03 - loss: 0.4017 - acc: 0.8555 - auroc: 0.72 - ETA: 22:00 - loss: 0.41
20 - acc: 0.8547 - auroc: 0.69 - ETA: 21:55 - loss: 0.4092 - acc: 0.8581 - auroc: 0.68 - ETA: 21:5
2 - loss: 0.4205 - acc: 0.8482 - auroc: 0.70 - ETA: 21:48 - loss: 0.4158 - acc: 0.8516 - auroc: 0.
70 - ETA: 21:48 - loss: 0.4135 - acc: 0.8524 - auroc: 0.71 - ETA: 21:45 - loss: 0.4128 - acc: 0.85
39 - auroc: 0.70 - ETA: 21:42 - loss: 0.4088 - acc: 0.8558 - auroc: 0.70 - ETA: 21:41 - loss: 0.40
86 - acc: 0.8548 - auroc: 0.71 - ETA: 21:38 - loss: 0.4110 - acc: 0.8546 - auroc: 0.70 - ETA: 21:3
4 - loss: 0.4110 - acc: 0.8549 - auroc: 0.70 - ETA: 21:30 - loss: 0.4159 - acc: 0.8521 - auroc: 0.
70 - ETA: 21:26 - loss: 0.4131 - acc: 0.8530 - auroc: 0.71 - ETA: 21:25 - loss: 0.4096 - acc: 0.85
52 - auroc: 0.71 - ETA: 21:22 - loss: 0.4068 - acc: 0.8563 - auroc: 0.71 - ETA: 21:21 - loss: 0.40
29 - acc: 0.8586 - auroc: 0.72 - ETA: 21:21 - loss: 0.4063 - acc: 0.8566 - auroc: 0.72 - ETA: 21:1
8 - loss: 0.4077 - acc: 0.8564 - auroc: 0.71 - ETA: 21:16 - loss: 0.4079 - acc: 0.8576 - auroc: 0.
70 - ETA: 21:12 - loss: 0.4125 - acc: 0.8567 - auroc: 0.70 - ETA: 21:10 - loss: 0.4113 - acc: 0.85
71 - auroc: 0.70 - ETA: 21:09 - loss: 0.4118 - acc: 0.8569 - auroc: 0.70 - ETA: 21:06 - loss: 0.40
92 - acc: 0.8582 - auroc: 0.70 - ETA: 21:04 - loss: 0.4075 - acc: 0.8591 - auroc: 0.70 - ETA: 21:0
1 - loss: 0.4092 - acc: 0.8577 - auroc: 0.70 - ETA: 21:00 - loss: 0.4100 - acc: 0.8575 - auroc: 0.
70 - ETA: 20:57 - loss: 0.4112 - acc: 0.8568 - auroc: 0.70 - ETA: 20:55 - loss: 0.4124 - acc: 0.85
53 - auroc: 0.70 - ETA: 20:52 - loss: 0.4116 - acc: 0.8562 - auroc: 0.70 - ETA: 20:49 - loss: 0.41
22 - acc: 0.8556 - auroc: 0.70 - ETA: 20:47 - loss: 0.4145 - acc: 0.8548 - auroc: 0.70 - ETA: 20:4
4 - loss: 0.4151 - acc: 0.8547 - auroc: 0.70 - ETA: 20:41 - loss: 0.4163 - acc: 0.8544 - auroc: 0.
69 - ETA: 20:41 - loss: 0.4159 - acc: 0.8545 - auroc: 0.70 - ETA: 20:38 - loss: 0.4151 - acc: 0.85
51 - auroc: 0.70 - ETA: 20:35 - loss: 0.4162 - acc: 0.8544 - auroc: 0.69 - ETA: 20:33 - loss: 0.41
73 - acc: 0.8537 - auroc: 0.69 - ETA: 20:30 - loss: 0.4172 - acc: 0.8535 - auroc: 0.70 - ETA: 20:2
8 - loss: 0.4170 - acc: 0.8532 - auroc: 0.70 - ETA: 20:26 - loss: 0.4184 - acc: 0.8527 - auroc: 0.
70 - ETA: 20:23 - loss: 0.4173 - acc: 0.8533 - auroc: 0.70 - ETA: 20:21 - loss: 0.4168 - acc: 0.85
38 - auroc: 0.69 - ETA: 20:18 - loss: 0.4168 - acc: 0.8541 - auroc: 0.69 - ETA: 20:15 - loss: 0.41
49 - acc: 0.8552 - auroc: 0.69 - ETA: 20:13 - loss: 0.4140 - acc: 0.8556 - auroc: 0.69 - ETA: 20:1
2 - loss: 0.4144 - acc: 0.8552 - auroc: 0.69 - ETA: 20:09 - loss: 0.4136 - acc: 0.8553 - auroc: 0.
69 - ETA: 20:07 - loss: 0.4164 - acc: 0.8540 - auroc: 0.69 - ETA: 20:05 - loss: 0.4143 - acc: 0.85
52 - auroc: 0.69 - ETA: 20:02 - loss: 0.4145 - acc: 0.8547 - auroc: 0.69 - ETA: 20:00 - loss: 0.41
49 - acc: 0.8540 - auroc: 0.70 - ETA: 19:58 - loss: 0.4169 - acc: 0.8528 - auroc: 0.70 - ETA: 19:5
5 - loss: 0.4174 - acc: 0.8524 - auroc: 0.70 - ETA: 19:53 - loss: 0.4171 - acc: 0.8528 - auroc: 0.
70 - ETA: 19:50 - loss: 0.4175 - acc: 0.8524 - auroc: 0.70 - ETA: 19:48 - loss: 0.4169 - acc: 0.85
22 - auroc: 0.70 - ETA: 19:45 - loss: 0.4172 - acc: 0.8520 - auroc: 0.70 - ETA: 19:43 - loss: 0.41
75 - acc: 0.8518 - auroc: 0.70 - ETA: 19:41 - loss: 0.4164 - acc: 0.8523 - auroc: 0.70 - ETA: 19:3
8 - loss: 0.4172 - acc: 0.8518 - auroc: 0.70 - ETA: 19:35 - loss: 0.4185 - acc: 0.8513 - auroc: 0.
70 - ETA: 19:33 - loss: 0.4184 - acc: 0.8513 - auroc: 0.70 - ETA: 19:30 - loss: 0.4187 - acc: 0.85
12 - auroc: 0.70 - ETA: 19:28 - loss: 0.4198 - acc: 0.8503 - auroc: 0.70 - ETA: 19:27 - loss: 0.42
01 - acc: 0.8498 - auroc: 0.70 - ETA: 19:26 - loss: 0.4227 - acc: 0.8482 - auroc: 0.70 - ETA: 19:2
5 - loss: 0.4224 - acc: 0.8481 - auroc: 0.70 - ETA: 19:22 - loss: 0.4229 - acc: 0.8479 - auroc: 0.
70 - ETA: 19:20 - loss: 0.4232 - acc: 0.8479 - auroc: 0.70 - ETA: 19:17 - loss: 0.4241 - acc: 0.84
72 - auroc: 0.70 - ETA: 19:15 - loss: 0.4251 - acc: 0.8466 - auroc: 0.70 - ETA: 19:13 - loss: 0.42
46 - acc: 0.8470 - auroc: 0.70 - ETA: 19:10 - loss: 0.4241 - acc: 0.8471 - auroc: 0.70 - ETA: 19:0
8 - loss: 0.4230 - acc: 0.8478 - auroc: 0.70 - ETA: 19:06 - loss: 0.4232 - acc: 0.8478 - auroc: 0.
70 - ETA: 19:03 - loss: 0.4224 - acc: 0.8482 - auroc: 0.70 - ETA: 19:01 - loss: 0.4225 - acc: 0.84
81 - auroc: 0.70 - ETA: 18:58 - loss: 0.4222 - acc: 0.8485 - auroc: 0.70 - ETA: 18:56 - loss: 0.42
21 - acc: 0.8486 - auroc: 0.70 - ETA: 18:53 - loss: 0.4224 - acc: 0.8486 - auroc: 0.70 - ETA: 18:5
1 - loss: 0.4227 - acc: 0.8485 - auroc: 0.70 - ETA: 18:48 - loss: 0.4231 - acc: 0.8482 - auroc: 0.
70 - ETA: 18:46 - loss: 0.4222 - acc: 0.8486 - auroc: 0.70 - ETA: 18:44 - loss: 0.4223 - acc: 0.84
87 - auroc: 0.70 - ETA: 18:41 - loss: 0.4219 - acc: 0.8492 - auroc: 0.70 - ETA: 18:39 - loss: 0.42
24 - acc: 0.8488 - auroc: 0.70 - ETA: 18:36 - loss: 0.4227 - acc: 0.8485 - auroc: 0.70 - ETA: 18:3
4 - loss: 0.4231 - acc: 0.8481 - auroc: 0.70 - ETA: 18:31 - loss: 0.4226 - acc: 0.8484 - auroc: 0.
70 - ETA: 18:29 - loss: 0.4230 - acc: 0.8485 - auroc: 0.70 - ETA: 18:26 - loss: 0.4230 - acc: 0.84
83 - auroc: 0.70 - ETA: 18:24 - loss: 0.4230 - acc: 0.8479 - auroc: 0.70 - ETA: 18:21 - loss: 0.42

34 - acc: 0.8476 - auroc: 0.70 - ETA: 18:19 - loss: 0.4234 - acc: 0.8478 - auroc: 0.70 - ETA: 18:1
6 - loss: 0.4226 - acc: 0.8482 - auroc: 0.70 - ETA: 18:14 - loss: 0.4217 - acc: 0.8488 - auroc: 0.
70 - ETA: 18:11 - loss: 0.4220 - acc: 0.8486 - auroc: 0.70 - ETA: 18:09 - loss: 0.4210 - acc: 0.84
90 - auroc: 0.70 - ETA: 18:06 - loss: 0.4212 - acc: 0.8490 - auroc: 0.70 - ETA: 18:04 - loss: 0.42
11 - acc: 0.8489 - auroc: 0.70 - ETA: 18:01 - loss: 0.4211 - acc: 0.8490 - auroc: 0.70 - ETA: 17:5
9 - loss: 0.4212 - acc: 0.8489 - auroc: 0.70 - ETA: 17:56 - loss: 0.4213 - acc: 0.8487 - auroc: 0.
70 - ETA: 17:54 - loss: 0.4211 - acc: 0.8488 - auroc: 0.70 - ETA: 17:51 - loss: 0.4213 - acc: 0.84
88 - auroc: 0.70 - ETA: 17:49 - loss: 0.4203 - acc: 0.8493 - auroc: 0.70 - ETA: 17:46 - loss: 0.42
13 - acc: 0.8489 - auroc: 0.70 - ETA: 17:44 - loss: 0.4211 - acc: 0.8489 - auroc: 0.70 - ETA: 17:4
2 - loss: 0.4208 - acc: 0.8492 - auroc: 0.70 - ETA: 17:39 - loss: 0.4207 - acc: 0.8493 - auroc: 0.
70 - ETA: 17:37 - loss: 0.4210 - acc: 0.8491 - auroc: 0.70 - ETA: 17:34 - loss: 0.4209 - acc: 0.84
93 - auroc: 0.70 - ETA: 17:32 - loss: 0.4207 - acc: 0.8493 - auroc: 0.70 - ETA: 17:29 - loss: 0.42
04 - acc: 0.8495 - auroc: 0.70 - ETA: 17:27 - loss: 0.4207 - acc: 0.8492 - auroc: 0.70 - ETA: 17:2
4 - loss: 0.4211 - acc: 0.8490 - auroc: 0.70 - ETA: 17:22 - loss: 0.4212 - acc: 0.8488 - auroc: 0.
70 - ETA: 17:19 - loss: 0.4209 - acc: 0.8490 - auroc: 0.70 - ETA: 17:17 - loss: 0.4206 - acc: 0.84
92 - auroc: 0.70 - ETA: 17:15 - loss: 0.4201 - acc: 0.8493 - auroc: 0.70 - ETA: 17:12 - loss: 0.42
00 - acc: 0.8492 - auroc: 0.70 - ETA: 17:10 - loss: 0.4198 - acc: 0.8493 - auroc: 0.70 - ETA: 17:0
7 - loss: 0.4191 - acc: 0.8497 - auroc: 0.70 - ETA: 17:05 - loss: 0.4182 - acc: 0.8501 - auroc: 0.
70 - ETA: 17:03 - loss: 0.4175 - acc: 0.8505 - auroc: 0.70 - ETA: 17:00 - loss: 0.4167 - acc: 0.85
10 - auroc: 0.70 - ETA: 16:57 - loss: 0.4171 - acc: 0.8510 - auroc: 0.70 - ETA: 16:55 - loss: 0.41
75 - acc: 0.8507 - auroc: 0.70 - ETA: 16:53 - loss: 0.4176 - acc: 0.8507 - auroc: 0.70 - ETA: 16:5
0 - loss: 0.4177 - acc: 0.8507 - auroc: 0.70 - ETA: 16:48 - loss: 0.4175 - acc: 0.8510 - auroc: 0.
70 - ETA: 16:45 - loss: 0.4180 - acc: 0.8505 - auroc: 0.70 - ETA: 16:43 - loss: 0.4177 - acc: 0.85
07 - auroc: 0.70 - ETA: 16:41 - loss: 0.4178 - acc: 0.8506 - auroc: 0.70 - ETA: 16:38 - loss: 0.41
76 - acc: 0.8507 - auroc: 0.70 - ETA: 16:36 - loss: 0.4175 - acc: 0.8507 - auroc: 0.70 - ETA: 16:3
3 - loss: 0.4174 - acc: 0.8508 - auroc: 0.70 - ETA: 16:31 - loss: 0.4178 - acc: 0.8504 - auroc: 0.
70 - ETA: 16:28 - loss: 0.4175 - acc: 0.8505 - auroc: 0.70 - ETA: 16:26 - loss: 0.4173 - acc: 0.85
06 - auroc: 0.70 - ETA: 16:23 - loss: 0.4177 - acc: 0.8503 - auroc: 0.70 - ETA: 16:21 - loss: 0.41
78 - acc: 0.8503 - auroc: 0.70 - ETA: 16:18 - loss: 0.4178 - acc: 0.8502 - auroc:
0.707837376/69918 [================>..............] - ETA: 16:16 - loss: 0.4178 - acc: 0.8501 - aur
oc: 0.70 - ETA: 16:13 - loss: 0.4186 - acc: 0.8495 - auroc: 0.70 - ETA: 16:11 - loss: 0.4189 - acc
: 0.8492 - auroc: 0.70 - ETA: 16:08 - loss: 0.4187 - acc: 0.8491 - auroc: 0.70 - ETA: 16:06 - loss
: 0.4189 - acc: 0.8489 - auroc: 0.70 - ETA: 16:03 - loss: 0.4186 - acc: 0.8489 - auroc: 0.71 - ETA
: 16:01 - loss: 0.4190 - acc: 0.8488 - auroc: 0.70 - ETA: 15:58 - loss: 0.4189 - acc: 0.8489 - aur
oc: 0.70 - ETA: 15:56 - loss: 0.4181 - acc: 0.8492 - auroc: 0.70 - ETA: 15:53 - loss: 0.4180 - acc
: 0.8493 - auroc: 0.70 - ETA: 15:51 - loss: 0.4178 - acc: 0.8493 - auroc: 0.71 - ETA: 15:48 - loss
: 0.4175 - acc: 0.8494 - auroc: 0.71 - ETA: 15:46 - loss: 0.4179 - acc: 0.8493 - auroc: 0.71 - ETA
: 15:43 - loss: 0.4178 - acc: 0.8492 - auroc: 0.71 - ETA: 15:41 - loss: 0.4184 - acc: 0.8490 - aur
oc: 0.71 - ETA: 15:39 - loss: 0.4183 - acc: 0.8489 - auroc: 0.71 - ETA: 15:36 - loss: 0.4184 - acc
: 0.8489 - auroc: 0.71 - ETA: 15:34 - loss: 0.4188 - acc: 0.8488 - auroc: 0.70 - ETA: 15:31 - loss
: 0.4190 - acc: 0.8487 - auroc: 0.70 - ETA: 15:29 - loss: 0.4195 - acc: 0.8486 - auroc: 0.70 - ETA
: 15:27 - loss: 0.4193 - acc: 0.8487 - auroc: 0.70 - ETA: 15:24 - loss: 0.4192 - acc: 0.8488 - aur
oc: 0.70 - ETA: 15:22 - loss: 0.4188 - acc: 0.8491 - auroc: 0.70 - ETA: 15:19 - loss: 0.4192 - acc
: 0.8489 - auroc: 0.70 - ETA: 15:17 - loss: 0.4190 - acc: 0.8490 - auroc: 0.70 - ETA: 15:14 - loss
: 0.4193 - acc: 0.8489 - auroc: 0.70 - ETA: 15:12 - loss: 0.4197 - acc: 0.8486 - auroc: 0.70 - ETA
: 15:09 - loss: 0.4195 - acc: 0.8486 - auroc: 0.70 - ETA: 15:07 - loss: 0.4194 - acc: 0.8489 - aur
oc: 0.70 - ETA: 15:05 - loss: 0.4200 - acc: 0.8485 - auroc: 0.70 - ETA: 15:02 - loss: 0.4200 - acc
: 0.8485 - auroc: 0.70 - ETA: 15:00 - loss: 0.4200 - acc: 0.8485 - auroc: 0.70 - ETA: 14:57 - loss
: 0.4201 - acc: 0.8486 - auroc: 0.70 - ETA: 14:55 - loss: 0.4197 - acc: 0.8488 - auroc: 0.70 - ETA
: 14:52 - loss: 0.4195 - acc: 0.8490 - auroc: 0.70 - ETA: 14:50 - loss: 0.4194 - acc: 0.8491 - aur
oc: 0.70 - ETA: 14:48 - loss: 0.4192 - acc: 0.8493 - auroc: 0.70 - ETA: 14:45 - loss: 0.4189 - acc
: 0.8494 - auroc: 0.70 - ETA: 14:43 - loss: 0.4193 - acc: 0.8493 - auroc: 0.70 - ETA: 14:40 - loss
: 0.4192 - acc: 0.8493 - auroc: 0.70 - ETA: 14:38 - loss: 0.4191 - acc: 0.8493 - auroc: 0.70 - ETA
: 14:35 - loss: 0.4188 - acc: 0.8495 - auroc: 0.70 - ETA: 14:33 - loss: 0.4192 - acc: 0.8493 - aur
oc: 0.70 - ETA: 14:30 - loss: 0.4197 - acc: 0.8488 - auroc: 0.70 - ETA: 14:28 - loss: 0.4194 - acc
: 0.8489 - auroc: 0.70 - ETA: 14:25 - loss: 0.4193 - acc: 0.8490 - auroc: 0.70 - ETA: 14:23 - loss
: 0.4194 - acc: 0.8490 - auroc: 0.70 - ETA: 14:21 - loss: 0.4192 - acc: 0.8491 - auroc: 0.70 - ETA
: 14:18 - loss: 0.4190 - acc: 0.8492 - auroc: 0.70 - ETA: 14:16 - loss: 0.4187 - acc: 0.8493 - aur
oc: 0.70 - ETA: 14:13 - loss: 0.4186 - acc: 0.8494 - auroc: 0.70 - ETA: 14:11 - loss: 0.4184 - acc
: 0.8496 - auroc: 0.70 - ETA: 14:08 - loss: 0.4189 - acc: 0.8493 - auroc: 0.70 - ETA: 14:06 - loss
: 0.4193 - acc: 0.8491 - auroc: 0.70 - ETA: 14:03 - loss: 0.4190 - acc: 0.8492 - auroc: 0.70 - ETA
: 14:01 - loss: 0.4191 - acc: 0.8491 - auroc: 0.70 - ETA: 13:59 - loss: 0.4187 - acc: 0.8494 - aur
oc: 0.70 - ETA: 13:56 - loss: 0.4188 - acc: 0.8493 - auroc: 0.70 - ETA: 13:54 - loss: 0.4187 - acc
: 0.8493 - auroc: 0.70 - ETA: 13:51 - loss: 0.4191 - acc: 0.8490 - auroc: 0.70 - ETA: 13:49 - loss
: 0.4192 - acc: 0.8490 - auroc: 0.70 - ETA: 13:46 - loss: 0.4193 - acc: 0.8490 - auroc: 0.70 - ETA
: 13:44 - loss: 0.4194 - acc: 0.8490 - auroc: 0.70 - ETA: 13:41 - loss: 0.4191 - acc: 0.8492 - aur
oc: 0.70 - ETA: 13:39 - loss: 0.4192 - acc: 0.8493 - auroc: 0.70 - ETA: 13:36 - loss: 0.4195 - acc
: 0.8490 - auroc: 0.70 - ETA: 13:34 - loss: 0.4195 - acc: 0.8491 - auroc: 0.70 - ETA: 13:32 - loss
: 0.4197 - acc: 0.8490 - auroc: 0.70 - ETA: 13:29 - loss: 0.4196 - acc: 0.8490 - auroc: 0.70 - ETA
: 13:27 - loss: 0.4200 - acc: 0.8488 - auroc: 0.70 - ETA: 13:24 - loss: 0.4203 - acc: 0.8486 - aur
oc: 0.70 - ETA: 13:22 - loss: 0.4200 - acc: 0.8488 - auroc: 0.70 - ETA: 13:19 - loss: 0.4196 - acc
: 0.8491 - auroc: 0.70 - ETA: 13:17 - loss: 0.4194 - acc: 0.8491 - auroc: 0.70 - ETA: 13:15 - loss
: 0.4197 - acc: 0.8491 - auroc: 0.70 - ETA: 13:12 - loss: 0.4200 - acc: 0.8489 - auroc: 0.70 - ETA
: 13:10 - loss: 0.4200 - acc: 0.8489 - auroc: 0.70 - ETA: 13:07 - loss: 0.4203 - acc: 0.8488 - aur
oc: 0.70 - ETA: 13:05 - loss: 0.4201 - acc: 0.8488 - auroc: 0.70 - ETA: 13:02 - loss: 0.4202 - acc
: 0.8487 - auroc: 0.70 - ETA: 13:00 - loss: 0.4202 - acc: 0.8486 - auroc: 0.70 - ETA: 12:57 - loss
: 0.4202 - acc: 0.8487 - auroc: 0.70 - ETA: 12:55 - loss: 0.4200 - acc: 0.8488 - auroc: 0.70 - ETA

```
: 12:52 - loss: 0.4198 - acc: 0.8489 - auroc: 0.70 - ETA: 12:50 - loss: 0.4197 - acc: 0.8489 - aur
oc: 0.70 - ETA: 12:48 - loss: 0.4197 - acc: 0.8490 - auroc: 0.70 - ETA: 12:45 - loss: 0.4198 - acc
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: 0.4182 - acc: 0.8494 - auroc: 0.70 - ETA: 10:38 - loss: 0.4182 - acc: 0.8494 - auroc: 0.70 - ETA
: 10:36 - loss: 0.4181 - acc: 0.8493 - auroc: 0.70 - ETA: 10:33 - loss: 0.4179 - acc: 0.8494 - aur
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: 0.4174 - acc: 0.8494 - auroc: 0.70 - ETA: 10:06 - loss: 0.4172 - acc: 0.8495 - auroc: 0.71 - ETA
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: 0.4179 - acc: 0.8496 - auroc: 0.708 - ETA: 8:58 - loss: 0.4178 - acc: 0.8497 - auroc: 0.708 - ET
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: 0.4175 - acc: 0.8499 - auroc: 0.708 - ETA: 8:24 - loss: 0.4175 - acc: 0.8499 - auroc: 0.708 - ET
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8481 – auroc: 0.707 – ETA: 1:57 – loss: 0.4206 – acc: 0.8481 – auroc: 0.707 – ETA: 1:55 – loss: 0.
4207 – acc: 0.8481 – auroc: 0.707 – ETA: 1:53 – loss: 0.4208 – acc: 0.8481 – auroc: 0.707 – ETA: 1
:50 – loss: 0.4207 – acc: 0.8481 – auroc: 0.707 – ETA: 1:48 – loss: 0.4206 – acc: 0.8482 – auroc:
0.707 – ETA: 1:45 – loss: 0.4205 – acc: 0.8483 – auroc: 0.707 – ETA: 1:43 – loss: 0.4206 – acc: 0.
8482 – auroc: 0.707 – ETA: 1:40 – loss: 0.4208 – acc: 0.8482 – auroc: 0.707 – ETA: 1:38 – loss: 0.
4207 – acc: 0.8482 – auroc: 0.707 – ETA: 1:35 – loss: 0.4206 – acc: 0.8483 – auroc: 0.707 – ETA: 1
:33 – loss: 0.4206 – acc: 0.8483 – auroc: 0.707 – ETA: 1:30 – loss: 0.4207 – acc: 0.8482 – auroc:
0.707 – ETA: 1:28 – loss: 0.4206 – acc: 0.8483 – auroc: 0.707 – ETA: 1:26 – loss: 0.4205 – acc: 0.
8484 – auroc: 0.707 – ETA: 1:23 – loss: 0.4205 – acc: 0.8484 – auroc: 0.707 – ETA: 1:21 – loss: 0.
4207 – acc: 0.8483 – auroc: 0.707 – ETA: 1:18 – loss: 0.4205 – acc: 0.8484 – auroc: 0.707 – ETA: 1
:16 – loss: 0.4204 – acc: 0.8484 – auroc: 0.707 – ETA: 1:13 – loss: 0.4203 – acc: 0.8485 – auroc:
0.707 – ETA: 1:11 – loss: 0.4203 – acc: 0.8485 – auroc: 0.707 – ETA: 1:08 – loss: 0.4204 – acc: 0.
8484 – auroc: 0.707 – ETA: 1:06 – loss: 0.4204 – acc: 0.8484 – auroc: 0.707 – ETA: 1:04 – loss: 0.
4202 – acc: 0.8485 – auroc: 0.708 – ETA: 1:01 – loss: 0.4202 – acc: 0.8485 – auroc: 0.708 – ETA: 5
9s – loss: 0.4203 – acc: 0.8484 – auroc: 0.708 – ETA: 56s – loss: 0.4203 – acc: 0.8485 – auroc: 0.
70 – ETA: 54s – loss: 0.4202 – acc: 0.8485 – auroc: 0.70 – ETA: 51s – loss: 0.4202 – acc: 0.8485 –
auroc: 0.70 – ETA: 49s – loss: 0.4200 – acc: 0.8486 – auroc: 0.70 – ETA: 46s – loss: 0.4201 – acc:
0.8485 – auroc: 0.70 – ETA: 44s – loss: 0.4201 – acc: 0.8485 – auroc: 0.70 – ETA: 42s – loss: 0.42
03 – acc: 0.8484 – auroc: 0.70 – ETA: 39s – loss: 0.4203 – acc: 0.8484 – auroc: 0.70 – ETA: 37s –
loss: 0.4203 – acc: 0.8484 – auroc: 0.70 – ETA: 34s – loss: 0.4204 – acc: 0.8484 – auroc: 0.70 – E
TA: 32s – loss: 0.4204 – acc: 0.8484 – auroc: 0.70 – ETA: 29s – loss: 0.4204 – acc: 0.8484 – auroc
: 0.70 – ETA: 27s – loss: 0.4204 – acc: 0.8485 – auroc: 0.70 – ETA: 25s – loss: 0.4203 – acc: 0.84
85 – auroc: 0.70 – ETA: 22s – loss: 0.4204 – acc: 0.8485 – auroc: 0.70 – ETA: 20s – loss: 0.4201 –
acc: 0.8486 – auroc: 0.70 – ETA: 17s – loss: 0.4201 – acc: 0.8486 – auroc: 0.70 – ETA: 15s – loss:
0.4201 – acc: 0.8487 – auroc: 0.70 – ETA: 12s – loss: 0.4200 – acc: 0.8487 – auroc: 0.70 – ETA: 10
s – loss: 0.4201 – acc: 0.8487 – auroc: 0.70 – ETA: 7s – loss: 0.4202 – acc: 0.8487 – auroc: 0.707
7 – ETA: 5s – loss: 0.4203 – acc: 0.8487 – auroc: 0.707 – ETA: 3s – loss: 0.4204 – acc: 0.8486 – a
uroc: 0.707 – ETA: 0s – loss: 0.4204 – acc: 0.8486 – auroc: 0.707 – 1426s 20ms/step – loss: 0.4204
– acc: 0.8486 – auroc: 0.7078 – val_loss: 0.4178 – val_acc: 0.8486 – val_auroc: 0.7125
Epoch 13/15
18688/69918 [=======>......................] – ETA: 21:17 – loss: 0.5512 – acc: 0.7734 – auroc: 0.
61 – ETA: 22:01 – loss: 0.5285 – acc: 0.7969 – auroc: 0.57 – ETA: 21:55 – loss: 0.4980 – acc: 0.81
51 – auroc: 0.60 – ETA: 21:52 – loss: 0.4933 – acc: 0.8125 – auroc: 0.64 – ETA: 21:48 – loss: 0.48
57 – acc: 0.8156 – auroc: 0.65 – ETA: 21:48 – loss: 0.4795 – acc: 0.8177 – auroc: 0.66 – ETA: 21:5
0 – loss: 0.4845 – acc: 0.8158 – auroc: 0.65 – ETA: 21:43 – loss: 0.4758 – acc: 0.8213 – auroc: 0.
65 – ETA: 21:34 – loss: 0.4684 – acc: 0.8273 – auroc: 0.63 – ETA: 21:28 – loss: 0.4574 – acc: 0.83
28 – auroc: 0.64 – ETA: 21:23 – loss: 0.4554 – acc: 0.8331 – auroc: 0.65 – ETA: 21:19 – loss: 0.45
20 – acc: 0.8353 – auroc: 0.64 – ETA: 21:13 – loss: 0.4492 – acc: 0.8371 – auroc: 0.64 – ETA: 21:1
0 – loss: 0.4529 – acc: 0.8337 – auroc: 0.65 – ETA: 21:05 – loss: 0.4558 – acc: 0.8323 – auroc: 0.
65 – ETA: 21:02 – loss: 0.4542 – acc: 0.8340 – auroc: 0.64 – ETA: 20:59 – loss: 0.4572 – acc: 0.83
23 – auroc: 0.64 – ETA: 20:55 – loss: 0.4532 – acc: 0.8329 – auroc: 0.65 – ETA: 20:52 – loss: 0.44
85 – acc: 0.8355 – auroc: 0.65 – ETA: 20:49 – loss: 0.4470 – acc: 0.8363 – auroc: 0.65 – ETA: 20:4
6 – loss: 0.4444 – acc: 0.8371 – auroc: 0.66 – ETA: 20:44 – loss: 0.4414 – acc: 0.8381 – auroc: 0.
67 – ETA: 20:40 – loss: 0.4428 – acc: 0.8366 – auroc: 0.67 – ETA: 20:37 – loss: 0.4400 – acc: 0.83
82 – auroc: 0.67 – ETA: 20:35 – loss: 0.4405 – acc: 0.8375 – auroc: 0.67 – ETA: 20:34 – loss: 0.43
98 – acc: 0.8383 – auroc: 0.67 – ETA: 20:31 – loss: 0.4398 – acc: 0.8383 – auroc: 0.67 – ETA: 20:3
1 – loss: 0.4393 – acc: 0.8382 – auroc: 0.67 – ETA: 20:29 – loss: 0.4363 – acc: 0.8397 – auroc: 0.
67 – ETA: 20:25 – loss: 0.4349 – acc: 0.8409 – auroc: 0.67 – ETA: 20:22 – loss: 0.4326 – acc: 0.84
22 – auroc: 0.67 – ETA: 20:19 – loss: 0.4327 – acc: 0.8423 – auroc: 0.67 – ETA: 20:16 – loss: 0.43
47 – acc: 0.8411 – auroc: 0.67 – ETA: 20:13 – loss: 0.4354 – acc: 0.8410 – auroc: 0.67 – ETA: 20:1
1 – loss: 0.4347 – acc: 0.8411 – auroc: 0.67 – ETA: 20:09 – loss: 0.4391 – acc: 0.8379 – auroc: 0.
67 – ETA: 20:06 – loss: 0.4381 – acc: 0.8385 – auroc: 0.67 – ETA: 20:04 – loss: 0.4390 – acc: 0.83
76 – auroc: 0.67 – ETA: 20:01 – loss: 0.4387 – acc: 0.8375 – auroc: 0.67 – ETA: 19:59 – loss: 0.43
81 – acc: 0.8383 – auroc: 0.67 – ETA: 19:56 – loss: 0.4375 – acc: 0.8384 – auroc: 0.68 – ETA: 19:5
3 – loss: 0.4377 – acc: 0.8384 – auroc: 0.68 – ETA: 19:51 – loss: 0.4358 – acc: 0.8396 – auroc: 0.
68 – ETA: 19:48 – loss: 0.4349 – acc: 0.8400 – auroc: 0.68 – ETA: 19:45 – loss: 0.4336 – acc: 0.84
06 – auroc: 0.68 – ETA: 19:43 – loss: 0.4326 – acc: 0.8410 – auroc: 0.68 – ETA: 19:41 – loss: 0.43
27 – acc: 0.8411 – auroc: 0.68 – ETA: 19:38 – loss: 0.4328 – acc: 0.8413 – auroc: 0.68 – ETA: 19:3
6 – loss: 0.4324 – acc: 0.8414 – auroc: 0.68 – ETA: 19:33 – loss: 0.4316 – acc: 0.8416 – auroc: 0.
69 – ETA: 19:31 – loss: 0.4327 – acc: 0.8413 – auroc: 0.68 – ETA: 19:28 – loss: 0.4327 – acc: 0.84
13 – auroc: 0.68 – ETA: 19:26 – loss: 0.4312 – acc: 0.8420 – auroc: 0.69 – ETA: 19:24 – loss: 0.43
22 – acc: 0.8417 – auroc: 0.69 – ETA: 19:21 – loss: 0.4331 – acc: 0.8413 – auroc: 0.68 – ETA: 19:1
9 – loss: 0.4349 – acc: 0.8403 – auroc: 0.68 – ETA: 19:16 – loss: 0.4349 – acc: 0.8402 – auroc: 0.
68 – ETA: 19:14 – loss: 0.4339 – acc: 0.8407 – auroc: 0.69 – ETA: 19:12 – loss: 0.4331 – acc: 0.84
16 – auroc: 0.68 – ETA: 19:09 – loss: 0.4342 – acc: 0.8404 – auroc: 0.69 – ETA: 19:07 – loss: 0.43
45 – acc: 0.8399 – auroc: 0.69 – ETA: 19:05 – loss: 0.4344 – acc: 0.8400 – auroc: 0.69 – ETA: 19:0
3 – loss: 0.4328 – acc: 0.8408 – auroc: 0.69 – ETA: 19:01 – loss: 0.4318 – acc: 0.8416 – auroc: 0.
69 – ETA: 18:58 – loss: 0.4320 – acc: 0.8415 – auroc: 0.69 – ETA: 18:56 – loss: 0.4319 – acc: 0.84
14 – auroc: 0.69 – ETA: 18:53 – loss: 0.4303 – acc: 0.8421 – auroc: 0.69 – ETA: 18:51 – loss: 0.42
98 – acc: 0.8425 – auroc: 0.69 – ETA: 18:48 – loss: 0.4285 – acc: 0.8433 – auroc: 0.69 – ETA: 18:4
6 – loss: 0.4279 – acc: 0.8436 – auroc: 0.69 – ETA: 18:43 – loss: 0.4270 – acc: 0.8441 – auroc: 0.
69 – ETA: 18:41 – loss: 0.4265 – acc: 0.8444 – auroc: 0.69 – ETA: 18:38 – loss: 0.4254 – acc: 0.84
49 – auroc: 0.69 – ETA: 18:36 – loss: 0.4253 – acc: 0.8451 – auroc: 0.69 – ETA: 18:34 – loss: 0.42
52 – acc: 0.8453 – auroc: 0.69 – ETA: 18:31 – loss: 0.4253 – acc: 0.8453 – auroc: 0.69 – ETA: 18:2
9 – loss: 0.4262 – acc: 0.8448 – auroc: 0.69 – ETA: 18:26 – loss: 0.4259 – acc: 0.8448 – auroc: 0.
69 – ETA: 18:24 – loss: 0.4247 – acc: 0.8454 – auroc: 0.69 – ETA: 18:22 – loss: 0.4243 – acc: 0.84
57 – auroc: 0.69 – ETA: 18:20 – loss: 0.4240 – acc: 0.8457 – auroc: 0.69 – ETA: 18:17 – loss: 0.42

30 - acc: 0.8461 - auroc: 0.69 - ETA: 18:15 - loss: 0.4237 - acc: 0.8453 - auroc: 0.69 - ETA: 18:1
2 - loss: 0.4235 - acc: 0.8453 - auroc: 0.69 - ETA: 18:10 - loss: 0.4230 - acc: 0.8457 - auroc: 0.
69 - ETA: 18:08 - loss: 0.4233 - acc: 0.8456 - auroc: 0.69 - ETA: 18:05 - loss: 0.4235 - acc: 0.84
55 - auroc: 0.69 - ETA: 18:03 - loss: 0.4232 - acc: 0.8454 - auroc: 0.69 - ETA: 18:00 - loss: 0.42
20 - acc: 0.8461 - auroc: 0.69 - ETA: 17:58 - loss: 0.4214 - acc: 0.8465 - auroc: 0.70 - ETA: 17:5
6 - loss: 0.4218 - acc: 0.8462 - auroc: 0.70 - ETA: 17:53 - loss: 0.4219 - acc: 0.8460 - auroc: 0.
70 - ETA: 17:50 - loss: 0.4222 - acc: 0.8460 - auroc: 0.70 - ETA: 17:48 - loss: 0.4215 - acc: 0.84
63 - auroc: 0.70 - ETA: 17:46 - loss: 0.4213 - acc: 0.8465 - auroc: 0.70 - ETA: 17:44 - loss: 0.42
05 - acc: 0.8469 - auroc: 0.70 - ETA: 17:41 - loss: 0.4193 - acc: 0.8475 - auroc: 0.70 - ETA: 17:3
9 - loss: 0.4193 - acc: 0.8477 - auroc: 0.70 - ETA: 17:36 - loss: 0.4179 - acc: 0.8483 - auroc: 0.
70 - ETA: 17:34 - loss: 0.4176 - acc: 0.8483 - auroc: 0.70 - ETA: 17:32 - loss: 0.4178 - acc: 0.84
83 - auroc: 0.70 - ETA: 17:29 - loss: 0.4175 - acc: 0.8483 - auroc: 0.70 - ETA: 17:27 - loss: 0.41
81 - acc: 0.8480 - auroc: 0.70 - ETA: 17:24 - loss: 0.4193 - acc: 0.8475 - auroc: 0.70 - ETA: 17:2
2 - loss: 0.4188 - acc: 0.8478 - auroc: 0.70 - ETA: 17:20 - loss: 0.4187 - acc: 0.8479 - auroc: 0.
70 - ETA: 17:17 - loss: 0.4187 - acc: 0.8477 - auroc: 0.70 - ETA: 17:15 - loss: 0.4180 - acc: 0.84
83 - auroc: 0.70 - ETA: 17:12 - loss: 0.4177 - acc: 0.8485 - auroc: 0.70 - ETA: 17:10 - loss: 0.41
75 - acc: 0.8485 - auroc: 0.70 - ETA: 17:08 - loss: 0.4184 - acc: 0.8480 - auroc: 0.70 - ETA: 17:0
5 - loss: 0.4190 - acc: 0.8478 - auroc: 0.70 - ETA: 17:03 - loss: 0.4186 - acc: 0.8479 - auroc: 0.
70 - ETA: 17:01 - loss: 0.4198 - acc: 0.8471 - auroc: 0.70 - ETA: 16:58 - loss: 0.4196 - acc: 0.84
72 - auroc: 0.70 - ETA: 16:56 - loss: 0.4193 - acc: 0.8477 - auroc: 0.70 - ETA: 16:53 - loss: 0.41
93 - acc: 0.8474 - auroc: 0.70 - ETA: 16:51 - loss: 0.4203 - acc: 0.8468 - auroc: 0.70 - ETA: 16:4
8 - loss: 0.4200 - acc: 0.8470 - auroc: 0.70 - ETA: 16:46 - loss: 0.4200 - acc: 0.8470 - auroc: 0.
70 - ETA: 16:44 - loss: 0.4203 - acc: 0.8470 - auroc: 0.70 - ETA: 16:41 - loss: 0.4200 - acc: 0.84
72 - auroc: 0.70 - ETA: 16:39 - loss: 0.4194 - acc: 0.8476 - auroc: 0.70 - ETA: 16:37 - loss: 0.41
88 - acc: 0.8478 - auroc: 0.70 - ETA: 16:34 - loss: 0.4198 - acc: 0.8474 - auroc: 0.70 - ETA: 16:3
2 - loss: 0.4201 - acc: 0.8473 - auroc: 0.70 - ETA: 16:29 - loss: 0.4195 - acc: 0.8477 - auroc: 0.
70 - ETA: 16:27 - loss: 0.4206 - acc: 0.8471 - auroc: 0.70 - ETA: 16:25 - loss: 0.4207 - acc: 0.84
70 - auroc: 0.70 - ETA: 16:22 - loss: 0.4203 - acc: 0.8471 - auroc: 0.70 - ETA: 16:20 - loss: 0.41
99 - acc: 0.8474 - auroc: 0.70 - ETA: 16:18 - loss: 0.4201 - acc: 0.8474 - auroc: 0.70 - ETA: 16:1
5 - loss: 0.4198 - acc: 0.8477 - auroc: 0.70 - ETA: 16:13 - loss: 0.4196 - acc: 0.8478 - auroc: 0.
70 - ETA: 16:10 - loss: 0.4196 - acc: 0.8478 - auroc: 0.70 - ETA: 16:08 - loss: 0.4195 - acc: 0.84
79 - auroc: 0.70 - ETA: 16:06 - loss: 0.4196 - acc: 0.8479 - auroc: 0.70 - ETA: 16:03 - loss: 0.41
93 - acc: 0.8481 - auroc: 0.70 - ETA: 16:01 - loss: 0.4189 - acc: 0.8481 - auroc: 0.70 - ETA: 15:5
9 - loss: 0.4190 - acc: 0.8480 - auroc: 0.70 - ETA: 15:56 - loss: 0.4183 - acc: 0.8483 - auroc: 0.
70 - ETA: 15:54 - loss: 0.4182 - acc: 0.8486 - auroc: 0.70 - ETA: 15:51 - loss: 0.4185 - acc: 0.84
84 - auroc: 0.70 - ETA: 15:49 - loss: 0.4180 - acc: 0.8486 - auroc: 0.70 - ETA: 15:47 - loss: 0.41
75 - acc: 0.8489 - auroc: 0.70 - ETA: 15:44 - loss: 0.4183 - acc: 0.8485 - auroc:
0.707537376/69918 [===============>..............] - ETA: 15:42 - loss: 0.4180 - acc: 0.8486 - aur
oc: 0.70 - ETA: 15:40 - loss: 0.4178 - acc: 0.8488 - auroc: 0.70 - ETA: 15:37 - loss: 0.4177 - acc
: 0.8487 - auroc: 0.70 - ETA: 15:35 - loss: 0.4177 - acc: 0.8486 - auroc: 0.70 - ETA: 15:32 - loss
: 0.4173 - acc: 0.8488 - auroc: 0.70 - ETA: 15:30 - loss: 0.4169 - acc: 0.8490 - auroc: 0.70 - ETA
: 15:28 - loss: 0.4168 - acc: 0.8490 - auroc: 0.70 - ETA: 15:26 - loss: 0.4167 - acc: 0.8491 - aur
oc: 0.70 - ETA: 15:23 - loss: 0.4170 - acc: 0.8490 - auroc: 0.70 - ETA: 15:21 - loss: 0.4173 - acc
: 0.8489 - auroc: 0.70 - ETA: 15:19 - loss: 0.4166 - acc: 0.8492 - auroc: 0.70 - ETA: 15:16 - loss
: 0.4163 - acc: 0.8493 - auroc: 0.70 - ETA: 15:14 - loss: 0.4157 - acc: 0.8496 - auroc: 0.70 - ETA
: 15:12 - loss: 0.4155 - acc: 0.8497 - auroc: 0.70 - ETA: 15:09 - loss: 0.4152 - acc: 0.8498 - aur
oc: 0.71 - ETA: 15:07 - loss: 0.4156 - acc: 0.8495 - auroc: 0.71 - ETA: 15:04 - loss: 0.4153 - acc
: 0.8497 - auroc: 0.70 - ETA: 15:02 - loss: 0.4147 - acc: 0.8500 - auroc: 0.71 - ETA: 15:00 - loss
: 0.4150 - acc: 0.8498 - auroc: 0.71 - ETA: 14:57 - loss: 0.4153 - acc: 0.8495 - auroc: 0.71 - ETA
: 14:55 - loss: 0.4154 - acc: 0.8495 - auroc: 0.71 - ETA: 14:53 - loss: 0.4152 - acc: 0.8496 - aur
oc: 0.71 - ETA: 14:50 - loss: 0.4154 - acc: 0.8494 - auroc: 0.71 - ETA: 14:48 - loss: 0.4159 - acc
: 0.8492 - auroc: 0.71 - ETA: 14:46 - loss: 0.4158 - acc: 0.8492 - auroc: 0.71 - ETA: 14:43 - loss
: 0.4154 - acc: 0.8493 - auroc: 0.71 - ETA: 14:41 - loss: 0.4154 - acc: 0.8494 - auroc: 0.71 - ETA
: 14:38 - loss: 0.4156 - acc: 0.8494 - auroc: 0.71 - ETA: 14:36 - loss: 0.4157 - acc: 0.8494 - aur
oc: 0.71 - ETA: 14:33 - loss: 0.4152 - acc: 0.8497 - auroc: 0.71 - ETA: 14:31 - loss: 0.4155 - acc
: 0.8495 - auroc: 0.71 - ETA: 14:29 - loss: 0.4155 - acc: 0.8494 - auroc: 0.71 - ETA: 14:26 - loss
: 0.4155 - acc: 0.8494 - auroc: 0.71 - ETA: 14:24 - loss: 0.4157 - acc: 0.8493 - auroc: 0.71 - ETA
: 14:22 - loss: 0.4157 - acc: 0.8494 - auroc: 0.71 - ETA: 14:19 - loss: 0.4155 - acc: 0.8496 - aur
oc: 0.71 - ETA: 14:17 - loss: 0.4157 - acc: 0.8494 - auroc: 0.71 - ETA: 14:15 - loss: 0.4152 - acc
: 0.8496 - auroc: 0.71 - ETA: 14:12 - loss: 0.4155 - acc: 0.8495 - auroc: 0.71 - ETA: 14:10 - loss
: 0.4155 - acc: 0.8495 - auroc: 0.71 - ETA: 14:07 - loss: 0.4157 - acc: 0.8493 - auroc: 0.71 - ETA
: 14:05 - loss: 0.4158 - acc: 0.8494 - auroc: 0.71 - ETA: 14:03 - loss: 0.4159 - acc: 0.8494 - aur
oc: 0.71 - ETA: 14:00 - loss: 0.4159 - acc: 0.8494 - auroc: 0.71 - ETA: 13:58 - loss: 0.4161 - acc
: 0.8493 - auroc: 0.71 - ETA: 13:56 - loss: 0.4163 - acc: 0.8493 - auroc: 0.70 - ETA: 13:53 - loss
: 0.4164 - acc: 0.8493 - auroc: 0.70 - ETA: 13:51 - loss: 0.4167 - acc: 0.8491 - auroc: 0.70 - ETA
: 13:50 - loss: 0.4166 - acc: 0.8490 - auroc: 0.70 - ETA: 13:49 - loss: 0.4167 - acc: 0.8490 - aur
oc: 0.70 - ETA: 13:47 - loss: 0.4169 - acc: 0.8488 - auroc: 0.70 - ETA: 13:46 - loss: 0.4168 - acc
: 0.8490 - auroc: 0.70 - ETA: 13:44 - loss: 0.4163 - acc: 0.8492 - auroc: 0.71 - ETA: 13:42 - loss
: 0.4166 - acc: 0.8489 - auroc: 0.71 - ETA: 13:41 - loss: 0.4167 - acc: 0.8489 - auroc: 0.71 - ETA
: 13:39 - loss: 0.4167 - acc: 0.8489 - auroc: 0.71 - ETA: 13:37 - loss: 0.4168 - acc: 0.8488 - aur
oc: 0.71 - ETA: 13:35 - loss: 0.4167 - acc: 0.8489 - auroc: 0.71 - ETA: 13:33 - loss: 0.4169 - acc
: 0.8486 - auroc: 0.71 - ETA: 13:31 - loss: 0.4170 - acc: 0.8486 - auroc: 0.71 - ETA: 13:29 - loss
: 0.4173 - acc: 0.8484 - auroc: 0.71 - ETA: 13:27 - loss: 0.4174 - acc: 0.8483 - auroc: 0.71 - ETA
: 13:25 - loss: 0.4175 - acc: 0.8482 - auroc: 0.71 - ETA: 13:23 - loss: 0.4176 - acc: 0.8480 - aur
oc: 0.71 - ETA: 13:21 - loss: 0.4175 - acc: 0.8480 - auroc: 0.71 - ETA: 13:19 - loss: 0.4174 - acc
: 0.8480 - auroc: 0.71 - ETA: 13:16 - loss: 0.4178 - acc: 0.8479 - auroc: 0.71 - ETA: 13:14 - loss
: 0.4178 - acc: 0.8478 - auroc: 0.71 - ETA: 13:12 - loss: 0.4176 - acc: 0.8480 - auroc: 0.71 - ETA

: 13:09 - loss: 0.4171 - acc: 0.8483 - auroc: 0.71 - ETA: 13:07 - loss: 0.4170 - acc: 0.8485 - aur
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0.710 - ETA: 2:17 - loss: 0.4184 - acc: 0.8482 - auroc: 0.711 - ETA: 2:15 - loss: 0.4185 - acc: 0.
8482 - auroc: 0.711 - ETA: 2:12 - loss: 0.4184 - acc: 0.8483 - auroc: 0.711 - ETA: 2:10 - loss: 0.
4184 - acc: 0.8483 - auroc: 0.711 - ETA: 2:08 - loss: 0.4182 - acc: 0.8483 - auroc: 0.711 - ETA: 2
:05 - loss: 0.4181 - acc: 0.8484 - auroc: 0.711 - ETA: 2:03 - loss: 0.4183 - acc: 0.8484 - auroc:
0.711 - ETA: 2:00 - loss: 0.4182 - acc: 0.8484 - auroc: 0.711 - ETA: 1:58 - loss: 0.4180 - acc: 0.
8485 - auroc: 0.711 - ETA: 1:56 - loss: 0.4182 - acc: 0.8484 - auroc: 0.711 - ETA: 1:53 - loss: 0.
4181 - acc: 0.8484 - auroc: 0.711 - ETA: 1:51 - loss: 0.4181 - acc: 0.8484 - auroc: 0.711 - ETA: 1
:48 - loss: 0.4181 - acc: 0.8484 - auroc: 0.711 - ETA: 1:46 - loss: 0.4183 - acc: 0.8483 - auroc:
0.711 - ETA: 1:44 - loss: 0.4185 - acc: 0.8482 - auroc: 0.711 - ETA: 1:41 - loss: 0.4184 - acc: 0.
8483 - auroc: 0.711 - ETA: 1:39 - loss: 0.4184 - acc: 0.8483 - auroc: 0.711 - ETA: 1:36 - loss: 0.
4186 - acc: 0.8482 - auroc: 0.711 - ETA: 1:34 - loss: 0.4184 - acc: 0.8484 - auroc: 0.711 - ETA: 1
:31 - loss: 0.4182 - acc: 0.8484 - auroc: 0.711 - ETA: 1:29 - loss: 0.4182 - acc: 0.8484 - auroc:
0.711 - ETA: 1:27 - loss: 0.4183 - acc: 0.8484 - auroc: 0.711 - ETA: 1:24 - loss: 0.4181 - acc: 0.
8485 - auroc: 0.711 - ETA: 1:22 - loss: 0.4181 - acc: 0.8485 - auroc: 0.711 - ETA: 1:19 - loss: 0.
4180 - acc: 0.8486 - auroc: 0.711 - ETA: 1:17 - loss: 0.4179 - acc: 0.8487 - auroc: 0.711 - ETA: 1
:15 - loss: 0.4178 - acc: 0.8487 - auroc: 0.711 - ETA: 1:12 - loss: 0.4178 - acc: 0.8487 - auroc:
0.711 - ETA: 1:10 - loss: 0.4177 - acc: 0.8487 - auroc: 0.711 - ETA: 1:07 - loss: 0.4178 - acc: 0.
8487 - auroc: 0.711 - ETA: 1:05 - loss: 0.4176 - acc: 0.8488 - auroc: 0.711 - ETA: 1:03 - loss: 0.
4175 - acc: 0.8488 - auroc: 0.711 - ETA: 1:00 - loss: 0.4175 - acc: 0.8488 - auroc: 0.711 - ETA: 5
8s - loss: 0.4173 - acc: 0.8489 - auroc: 0.711 - ETA: 55s - loss: 0.4173 - acc: 0.8489 - auroc: 0.
71 - ETA: 53s - loss: 0.4174 - acc: 0.8489 - auroc: 0.71 - ETA: 51s - loss: 0.4173 - acc: 0.8489 -
auroc: 0.71 - ETA: 48s - loss: 0.4174 - acc: 0.8488 - auroc: 0.71 - ETA: 46s - loss: 0.4174 - acc:
0.8489 - auroc: 0.71 - ETA: 43s - loss: 0.4175 - acc: 0.8489 - auroc: 0.71 - ETA: 41s - loss: 0.41
76 - acc: 0.8488 - auroc: 0.71 - ETA: 39s - loss: 0.4177 - acc: 0.8487 - auroc: 0.71 - ETA: 36s -
loss: 0.4175 - acc: 0.8488 - auroc: 0.71 - ETA: 34s - loss: 0.4176 - acc: 0.8488 - auroc: 0.71 - E
TA: 31s - loss: 0.4177 - acc: 0.8487 - auroc: 0.71 - ETA: 29s - loss: 0.4177 - acc: 0.8487 - auroc
: 0.71 - ETA: 27s - loss: 0.4178 - acc: 0.8486 - auroc: 0.71 - ETA: 24s - loss: 0.4181 - acc: 0.84
85 - auroc: 0.71 - ETA: 22s - loss: 0.4181 - acc: 0.8485 - auroc: 0.71 - ETA: 19s - loss: 0.4182 -
acc: 0.8484 - auroc: 0.71 - ETA: 17s - loss: 0.4183 - acc: 0.8483 - auroc: 0.71 - ETA: 14s - loss:
0.4184 - acc: 0.8484 - auroc: 0.71 - ETA: 12s - loss: 0.4184 - acc: 0.8484 - auroc: 0.71 - ETA: 10
s - loss: 0.4184 - acc: 0.8484 - auroc: 0.71 - ETA: 7s - loss: 0.4183 - acc: 0.8484 - auroc: 0.711
3 - ETA: 5s - loss: 0.4183 - acc: 0.8484 - auroc: 0.711 - ETA: 2s - loss: 0.4183 - acc: 0.8485 - a
uroc: 0.710 - ETA: 0s - loss: 0.4182 - acc: 0.8485 - auroc: 0.710 - 1410s 20ms/step - loss: 0.4182
- acc: 0.8486 - auroc: 0.7104 - val_loss: 0.4276 - val_acc: 0.8486 - val_auroc: 0.7071
Epoch 14/15
18688/69918 [=======>......................] - ETA: 21:26 - loss: 0.3734 - acc: 0.8594 - auroc: 0.
82 - ETA: 21:40 - loss: 0.3817 - acc: 0.8555 - auroc: 0.79 - ETA: 21:44 - loss: 0.3593 - acc: 0.86
20 - auroc: 0.83 - ETA: 21:48 - loss: 0.3741 - acc: 0.8594 - auroc: 0.80 - ETA: 21:45 - loss: 0.35
29 - acc: 0.8750 - auroc: 0.78 - ETA: 21:46 - loss: 0.3646 - acc: 0.8711 - auroc: 0.77 - ETA: 21:4
5 - loss: 0.3652 - acc: 0.8705 - auroc: 0.76 - ETA: 21:43 - loss: 0.3703 - acc: 0.8662 - auroc: 0.
76 - ETA: 21:42 - loss: 0.3836 - acc: 0.8594 - auroc: 0.75 - ETA: 21:40 - loss: 0.3807 - acc: 0.85
94 - auroc: 0.76 - ETA: 21:37 - loss: 0.3809 - acc: 0.8601 - auroc: 0.75 - ETA: 21:36 - loss: 0.38
58 - acc: 0.8568 - auroc: 0.75 - ETA: 21:34 - loss: 0.3877 - acc: 0.8558 - auroc: 0.75 - ETA: 21:3
1 - loss: 0.3895 - acc: 0.8538 - auroc: 0.75 - ETA: 21:29 - loss: 0.3863 - acc: 0.8562 - auroc: 0.
75 - ETA: 21:27 - loss: 0.3896 - acc: 0.8550 - auroc: 0.75 - ETA: 21:24 - loss: 0.3905 - acc: 0.85
48 - auroc: 0.74 - ETA: 21:21 - loss: 0.3941 - acc: 0.8524 - auroc: 0.74 - ETA: 21:20 - loss: 0.39
50 - acc: 0.8520 - auroc: 0.74 - ETA: 21:18 - loss: 0.3992 - acc: 0.8488 - auroc: 0.74 - ETA: 21:1
6 - loss: 0.4046 - acc: 0.8478 - auroc: 0.74 - ETA: 21:14 - loss: 0.4074 - acc: 0.8462 - auroc: 0.
74 - ETA: 21:12 - loss: 0.4077 - acc: 0.8468 - auroc: 0.73 - ETA: 21:10 - loss: 0.4047 - acc: 0.84
80 - auroc: 0.74 - ETA: 21:10 - loss: 0.4058 - acc: 0.8475 - auroc: 0.74 - ETA: 21:08 - loss: 0.40
40 - acc: 0.8480 - auroc: 0.74 - ETA: 21:05 - loss: 0.4038 - acc: 0.8487 - auroc: 0.74 - ETA: 21:0
3 - loss: 0.4045 - acc: 0.8496 - auroc: 0.74 - ETA: 21:01 - loss: 0.4031 - acc: 0.8502 - auroc: 0.
74 - ETA: 20:59 - loss: 0.4052 - acc: 0.8492 - auroc: 0.74 - ETA: 20:56 - loss: 0.4042 - acc: 0.85
03 - auroc: 0.74 - ETA: 20:54 - loss: 0.4057 - acc: 0.8491 - auroc: 0.74 - ETA: 20:52 - loss: 0.40
78 - acc: 0.8482 - auroc: 0.74 - ETA: 20:50 - loss: 0.4060 - acc: 0.8506 - auroc: 0.73 - ETA: 20:4
7 - loss: 0.4068 - acc: 0.8507 - auroc: 0.73 - ETA: 20:46 - loss: 0.4080 - acc: 0.8503 - auroc: 0.
73 - ETA: 20:43 - loss: 0.4088 - acc: 0.8501 - auroc: 0.73 - ETA: 20:40 - loss: 0.4108 - acc: 0.84
97 - auroc: 0.73 - ETA: 20:38 - loss: 0.4130 - acc: 0.8484 - auroc: 0.73 - ETA: 20:36 - loss: 0.41
79 - acc: 0.8463 - auroc: 0.72 - ETA: 20:33 - loss: 0.4168 - acc: 0.8476 - auroc: 0.72 - ETA: 20:3
1 - loss: 0.4190 - acc: 0.8462 - auroc: 0.72 - ETA: 20:29 - loss: 0.4208 - acc: 0.8452 - auroc: 0.
72 - ETA: 20:26 - loss: 0.4207 - acc: 0.8455 - auroc: 0.72 - ETA: 20:24 - loss: 0.4221 - acc: 0.84
48 - auroc: 0.72 - ETA: 20:22 - loss: 0.4214 - acc: 0.8454 - auroc: 0.72 - ETA: 20:20 - loss: 0.42
14 - acc: 0.8456 - auroc: 0.72 - ETA: 20:19 - loss: 0.4206 - acc: 0.8459 - auroc: 0.72 - ETA: 20:1
7 - loss: 0.4213 - acc: 0.8453 - auroc: 0.72 - ETA: 20:16 - loss: 0.4217 - acc: 0.8452 - auroc: 0.
72 - ETA: 20:16 - loss: 0.4216 - acc: 0.8454 - auroc: 0.72 - ETA: 20:13 - loss: 0.4200 - acc: 0.84
65 - auroc: 0.72 - ETA: 20:11 - loss: 0.4202 - acc: 0.8466 - auroc: 0.72 - ETA: 20:09 - loss: 0.42
32 - acc: 0.8449 - auroc: 0.72 - ETA: 20:06 - loss: 0.4233 - acc: 0.8445 - auroc: 0.72 - ETA: 20:0
4 - loss: 0.4226 - acc: 0.8447 - auroc: 0.72 - ETA: 20:02 - loss: 0.4225 - acc: 0.8443 - auroc: 0.
72 - ETA: 19:59 - loss: 0.4213 - acc: 0.8452 - auroc: 0.72 - ETA: 19:57 - loss: 0.4207 - acc: 0.84
53 - auroc: 0.72 - ETA: 19:55 - loss: 0.4207 - acc: 0.8452 - auroc: 0.72 - ETA: 19:53 - loss: 0.42
16 - acc: 0.8450 - auroc: 0.72 - ETA: 19:50 - loss: 0.4213 - acc: 0.8453 - auroc: 0.72 - ETA: 19:4
8 - loss: 0.4220 - acc: 0.8446 - auroc: 0.72 - ETA: 19:46 - loss: 0.4222 - acc: 0.8445 - auroc: 0.
72 - ETA: 19:43 - loss: 0.4210 - acc: 0.8451 - auroc: 0.72 - ETA: 19:41 - loss: 0.4211 - acc: 0.84
49 - auroc: 0.72 - ETA: 19:39 - loss: 0.4217 - acc: 0.8450 - auroc: 0.72 - ETA: 19:37 - loss: 0.42

```
22 - acc: 0.8451 - auroc: 0.72 - ETA: 19:35 - loss: 0.4235 - acc: 0.8442 - auroc: 0.72 - ETA: 19:3
2 - loss: 0.4227 - acc: 0.8449 - auroc: 0.72 - ETA: 19:31 - loss: 0.4225 - acc: 0.8451 - auroc: 0.
72 - ETA: 19:28 - loss: 0.4225 - acc: 0.8452 - auroc: 0.72 - ETA: 19:25 - loss: 0.4226 - acc: 0.84
49 - auroc: 0.72 - ETA: 19:24 - loss: 0.4222 - acc: 0.8451 - auroc: 0.72 - ETA: 19:22 - loss: 0.42
23 - acc: 0.8452 - auroc: 0.72 - ETA: 19:19 - loss: 0.4209 - acc: 0.8459 - auroc: 0.72 - ETA: 19:1
7 - loss: 0.4209 - acc: 0.8458 - auroc: 0.72 - ETA: 19:14 - loss: 0.4202 - acc: 0.8462 - auroc: 0.
72 - ETA: 19:12 - loss: 0.4203 - acc: 0.8462 - auroc: 0.72 - ETA: 19:10 - loss: 0.4187 - acc: 0.84
70 - auroc: 0.72 - ETA: 19:08 - loss: 0.4185 - acc: 0.8471 - auroc: 0.72 - ETA: 19:05 - loss: 0.41
87 - acc: 0.8471 - auroc: 0.72 - ETA: 19:03 - loss: 0.4190 - acc: 0.8472 - auroc: 0.72 - ETA: 19:0
1 - loss: 0.4191 - acc: 0.8469 - auroc: 0.72 - ETA: 18:58 - loss: 0.4190 - acc: 0.8468 - auroc: 0.
72 - ETA: 18:56 - loss: 0.4189 - acc: 0.8471 - auroc: 0.72 - ETA: 18:54 - loss: 0.4187 - acc: 0.84
69 - auroc: 0.72 - ETA: 18:52 - loss: 0.4187 - acc: 0.8470 - auroc: 0.72 - ETA: 18:50 - loss: 0.41
83 - acc: 0.8473 - auroc: 0.72 - ETA: 18:48 - loss: 0.4173 - acc: 0.8477 - auroc: 0.72 - ETA: 18:4
5 - loss: 0.4185 - acc: 0.8472 - auroc: 0.72 - ETA: 18:43 - loss: 0.4188 - acc: 0.8470 - auroc: 0.
72 - ETA: 18:41 - loss: 0.4194 - acc: 0.8468 - auroc: 0.72 - ETA: 18:38 - loss: 0.4195 - acc: 0.84
68 - auroc: 0.71 - ETA: 18:36 - loss: 0.4191 - acc: 0.8470 - auroc: 0.72 - ETA: 18:34 - loss: 0.41
89 - acc: 0.8471 - auroc: 0.72 - ETA: 18:32 - loss: 0.4189 - acc: 0.8471 - auroc: 0.72 - ETA: 18:3
0 - loss: 0.4189 - acc: 0.8472 - auroc: 0.72 - ETA: 18:27 - loss: 0.4195 - acc: 0.8470 - auroc: 0.
71 - ETA: 18:25 - loss: 0.4195 - acc: 0.8473 - auroc: 0.71 - ETA: 18:23 - loss: 0.4198 - acc: 0.84
72 - auroc: 0.71 - ETA: 18:20 - loss: 0.4199 - acc: 0.8470 - auroc: 0.71 - ETA: 18:18 - loss: 0.41
98 - acc: 0.8472 - auroc: 0.71 - ETA: 18:16 - loss: 0.4202 - acc: 0.8468 - auroc: 0.71 - ETA: 18:1
4 - loss: 0.4199 - acc: 0.8470 - auroc: 0.71 - ETA: 18:11 - loss: 0.4199 - acc: 0.8470 - auroc: 0.
71 - ETA: 18:09 - loss: 0.4201 - acc: 0.8468 - auroc: 0.71 - ETA: 18:06 - loss: 0.4195 - acc: 0.84
73 - auroc: 0.71 - ETA: 18:04 - loss: 0.4196 - acc: 0.8471 - auroc: 0.71 - ETA: 18:02 - loss: 0.41
99 - acc: 0.8470 - auroc: 0.71 - ETA: 17:59 - loss: 0.4195 - acc: 0.8473 - auroc: 0.71 - ETA: 17:5
7 - loss: 0.4192 - acc: 0.8474 - auroc: 0.71 - ETA: 17:54 - loss: 0.4193 - acc: 0.8472 - auroc: 0.
72 - ETA: 17:52 - loss: 0.4195 - acc: 0.8473 - auroc: 0.71 - ETA: 17:50 - loss: 0.4194 - acc: 0.84
71 - auroc: 0.71 - ETA: 17:47 - loss: 0.4194 - acc: 0.8471 - auroc: 0.72 - ETA: 17:45 - loss: 0.42
01 - acc: 0.8466 - auroc: 0.72 - ETA: 17:42 - loss: 0.4207 - acc: 0.8465 - auroc: 0.71 - ETA: 17:4
0 - loss: 0.4213 - acc: 0.8462 - auroc: 0.71 - ETA: 17:38 - loss: 0.4207 - acc: 0.8465 - auroc: 0.
72 - ETA: 17:35 - loss: 0.4204 - acc: 0.8465 - auroc: 0.72 - ETA: 17:33 - loss: 0.4202 - acc: 0.84
67 - auroc: 0.72 - ETA: 17:31 - loss: 0.4205 - acc: 0.8465 - auroc: 0.72 - ETA: 17:28 - loss: 0.42
08 - acc: 0.8463 - auroc: 0.72 - ETA: 17:26 - loss: 0.4201 - acc: 0.8466 - auroc: 0.72 - ETA: 17:2
4 - loss: 0.4203 - acc: 0.8464 - auroc: 0.72 - ETA: 17:21 - loss: 0.4200 - acc: 0.8465 - auroc: 0.
72 - ETA: 17:19 - loss: 0.4199 - acc: 0.8467 - auroc: 0.72 - ETA: 17:16 - loss: 0.4197 - acc: 0.84
68 - auroc: 0.72 - ETA: 17:14 - loss: 0.4188 - acc: 0.8475 - auroc: 0.72 - ETA: 17:11 - loss: 0.41
90 - acc: 0.8476 - auroc: 0.72 - ETA: 17:09 - loss: 0.4186 - acc: 0.8478 - auroc: 0.72 - ETA: 17:0
7 - loss: 0.4183 - acc: 0.8482 - auroc: 0.72 - ETA: 17:04 - loss: 0.4179 - acc: 0.8483 - auroc: 0.
72 - ETA: 17:02 - loss: 0.4184 - acc: 0.8481 - auroc: 0.72 - ETA: 16:59 - loss: 0.4192 - acc: 0.84
77 - auroc: 0.72 - ETA: 16:57 - loss: 0.4199 - acc: 0.8475 - auroc: 0.72 - ETA: 16:55 - loss: 0.42
00 - acc: 0.8475 - auroc: 0.71 - ETA: 16:52 - loss: 0.4205 - acc: 0.8471 - auroc: 0.71 - ETA: 16:5
0 - loss: 0.4207 - acc: 0.8469 - auroc: 0.71 - ETA: 16:47 - loss: 0.4207 - acc: 0.8469 - auroc: 0.
72 - ETA: 16:45 - loss: 0.4207 - acc: 0.8468 - auroc: 0.72 - ETA: 16:48 - loss: 0.4206 - acc: 0.84
69 - auroc: 0.72 - ETA: 16:56 - loss: 0.4203 - acc: 0.8471 - auroc: 0.72 - ETA: 17:04 - loss: 0.42
00 - acc: 0.8474 - auroc: 0.72 - ETA: 17:11 - loss: 0.4202 - acc: 0.8473 - auroc:
0.719737376/69918 [===============>..............] - ETA: 17:19 - loss: 0.4204 - acc: 0.8473 - aur
oc: 0.71 - ETA: 17:26 - loss: 0.4202 - acc: 0.8473 - auroc: 0.72 - ETA: 17:33 - loss: 0.4202 - acc
: 0.8474 - auroc: 0.71 - ETA: 17:40 - loss: 0.4202 - acc: 0.8474 - auroc: 0.71 - ETA: 17:47 - loss
: 0.4202 - acc: 0.8474 - auroc: 0.71 - ETA: 17:53 - loss: 0.4199 - acc: 0.8477 - auroc: 0.71 - ETA
: 17:59 - loss: 0.4206 - acc: 0.8475 - auroc: 0.71 - ETA: 18:06 - loss: 0.4211 - acc: 0.8473 - aur
oc: 0.71 - ETA: 18:11 - loss: 0.4208 - acc: 0.8474 - auroc: 0.71 - ETA: 18:17 - loss: 0.4209 - acc
: 0.8473 - auroc: 0.71 - ETA: 18:23 - loss: 0.4206 - acc: 0.8474 - auroc: 0.71 - ETA: 18:28 - loss
: 0.4206 - acc: 0.8475 - auroc: 0.71 - ETA: 18:33 - loss: 0.4206 - acc: 0.8474 - auroc: 0.71 - ETA
: 18:39 - loss: 0.4207 - acc: 0.8473 - auroc: 0.71 - ETA: 18:44 - loss: 0.4203 - acc: 0.8475 - aur
oc: 0.71 - ETA: 18:49 - loss: 0.4201 - acc: 0.8476 - auroc: 0.71 - ETA: 18:53 - loss: 0.4202 - acc
: 0.8474 - auroc: 0.71 - ETA: 18:58 - loss: 0.4203 - acc: 0.8474 - auroc: 0.71 - ETA: 19:02 - loss
: 0.4196 - acc: 0.8479 - auroc: 0.71 - ETA: 19:06 - loss: 0.4197 - acc: 0.8478 - auroc: 0.71 - ETA
: 19:11 - loss: 0.4195 - acc: 0.8479 - auroc: 0.71 - ETA: 19:14 - loss: 0.4204 - acc: 0.8474 - aur
oc: 0.71 - ETA: 19:18 - loss: 0.4201 - acc: 0.8476 - auroc: 0.71 - ETA: 19:22 - loss: 0.4201 - acc
: 0.8475 - auroc: 0.71 - ETA: 19:26 - loss: 0.4200 - acc: 0.8476 - auroc: 0.71 - ETA: 19:30 - loss
: 0.4196 - acc: 0.8478 - auroc: 0.71 - ETA: 19:33 - loss: 0.4195 - acc: 0.8479 - auroc: 0.71 - ETA
: 19:37 - loss: 0.4190 - acc: 0.8481 - auroc: 0.71 - ETA: 19:40 - loss: 0.4186 - acc: 0.8483 - aur
oc: 0.71 - ETA: 19:43 - loss: 0.4190 - acc: 0.8481 - auroc: 0.71 - ETA: 19:46 - loss: 0.4191 - acc
: 0.8480 - auroc: 0.71 - ETA: 19:50 - loss: 0.4186 - acc: 0.8482 - auroc: 0.71 - ETA: 19:53 - loss
: 0.4189 - acc: 0.8481 - auroc: 0.71 - ETA: 19:55 - loss: 0.4186 - acc: 0.8483 - auroc: 0.71 - ETA
: 19:58 - loss: 0.4182 - acc: 0.8485 - auroc: 0.71 - ETA: 20:01 - loss: 0.4184 - acc: 0.8480 - aur
oc: 0.71 - ETA: 20:03 - loss: 0.4188 - acc: 0.8479 - auroc: 0.71 - ETA: 20:06 - loss: 0.4192 - acc
: 0.8477 - auroc: 0.71 - ETA: 20:08 - loss: 0.4192 - acc: 0.8475 - auroc: 0.71 - ETA: 20:10 - loss
: 0.4194 - acc: 0.8475 - auroc: 0.71 - ETA: 20:12 - loss: 0.4195 - acc: 0.8474 - auroc: 0.71 - ETA
: 20:14 - loss: 0.4194 - acc: 0.8473 - auroc: 0.71 - ETA: 20:16 - loss: 0.4195 - acc: 0.8473 - aur
oc: 0.71 - ETA: 20:18 - loss: 0.4195 - acc: 0.8472 - auroc: 0.71 - ETA: 20:20 - loss: 0.4196 - acc
: 0.8471 - auroc: 0.71 - ETA: 20:22 - loss: 0.4198 - acc: 0.8470 - auroc: 0.71 - ETA: 20:24 - loss
: 0.4195 - acc: 0.8472 - auroc: 0.71 - ETA: 20:25 - loss: 0.4192 - acc: 0.8473 - auroc: 0.71 - ETA
: 20:27 - loss: 0.4198 - acc: 0.8470 - auroc: 0.71 - ETA: 20:28 - loss: 0.4198 - acc: 0.8471 - aur
oc: 0.71 - ETA: 20:30 - loss: 0.4194 - acc: 0.8473 - auroc: 0.71 - ETA: 20:31 - loss: 0.4191 - acc
: 0.8475 - auroc: 0.71 - ETA: 20:32 - loss: 0.4190 - acc: 0.8477 - auroc: 0.71 - ETA: 20:33 - loss
: 0.4191 - acc: 0.8476 - auroc: 0.71 - ETA: 20:34 - loss: 0.4191 - acc: 0.8477 - auroc: 0.71 - ETA
```

```
: 20:35 - loss: 0.4192 - acc: 0.8476 - auroc: 0.71 - ETA: 20:36 - loss: 0.4191 - acc: 0.8476 - aur
oc: 0.71 - ETA: 20:37 - loss: 0.4190 - acc: 0.8475 - auroc: 0.71 - ETA: 20:37 - loss: 0.4193 - acc
: 0.8473 - auroc: 0.71 - ETA: 20:38 - loss: 0.4189 - acc: 0.8475 - auroc: 0.71 - ETA: 20:39 - loss
: 0.4186 - acc: 0.8476 - auroc: 0.71 - ETA: 20:39 - loss: 0.4186 - acc: 0.8475 - auroc: 0.71 - ETA
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0.711 - ETA: 6:09 - loss: 0.4168 - acc: 0.8486 - auroc: 0.711 - ETA: 6:04 - loss: 0.4170 - acc: 0.
8485 - auroc: 0.711 - ETA: 5:59 - loss: 0.4171 - acc: 0.8485 - auroc: 0.711 - ETA: 5:54 - loss: 0.
4170 - acc: 0.8485 - auroc: 0.711 - ETA: 5:49 - loss: 0.4168 - acc: 0.8486 - auroc: 0.711 - ETA: 5
:44 - loss: 0.4168 - acc: 0.8486 - auroc: 0.711 - ETA: 5:39 - loss: 0.4166 - acc: 0.8487 - auroc:
0.711 - ETA: 5:33 - loss: 0.4165 - acc: 0.8488 - auroc: 0.711 - ETA: 5:28 - loss: 0.4166 - acc: 0.
8487 - auroc: 0.712 - ETA: 5:23 - loss: 0.4167 - acc: 0.8486 - auroc: 0.712 - ETA: 5:18 - loss: 0.
4168 - acc: 0.8485 - auroc: 0.712 - ETA: 5:13 - loss: 0.4168 - acc: 0.8486 - auroc: 0.711 - ETA: 5
:08 - loss: 0.4169 - acc: 0.8485 - auroc: 0.711 - ETA: 5:03 - loss: 0.4170 - acc: 0.8485 - auroc:
0.711 - ETA: 4:58 - loss: 0.4171 - acc: 0.8485 - auroc: 0.711 - ETA: 4:53 - loss: 0.4171 - acc: 0.
8485 - auroc: 0.711 - ETA: 4:48 - loss: 0.4170 - acc: 0.8485 - auroc: 0.711 - ETA: 4:43 - loss: 0.
4171 - acc: 0.8485 - auroc: 0.711 - ETA: 4:38 - loss: 0.4170 - acc: 0.8486 - auroc: 0.711 - ETA: 4
:33 - loss: 0.4170 - acc: 0.8485 - auroc: 0.711 - ETA: 4:28 - loss: 0.4170 - acc: 0.8485 - auroc:
0.711 - ETA: 4:22 - loss: 0.4172 - acc: 0.8484 - auroc: 0.711 - ETA: 4:17 - loss: 0.4172 - acc: 0.
8484 - auroc: 0.711 - ETA: 4:12 - loss: 0.4171 - acc: 0.8485 - auroc: 0.711 - ETA: 4:07 - loss: 0.
4173 - acc: 0.8484 - auroc: 0.711 - ETA: 4:02 - loss: 0.4173 - acc: 0.8484 - auroc: 0.710 - ETA: 3
:57 - loss: 0.4173 - acc: 0.8484 - auroc: 0.710 - ETA: 3:51 - loss: 0.4172 - acc: 0.8485 - auroc:
0.710 - ETA: 3:46 - loss: 0.4172 - acc: 0.8485 - auroc: 0.710 - ETA: 3:41 - loss: 0.4173 - acc: 0.
8485 - auroc: 0.710 - ETA: 3:36 - loss: 0.4172 - acc: 0.8486 - auroc: 0.710 - ETA: 3:31 - loss: 0.
4172 - acc: 0.8486 - auroc: 0.710 - ETA: 3:26 - loss: 0.4171 - acc: 0.8486 - auroc: 0.710 - ETA: 3
:20 - loss: 0.4173 - acc: 0.8485 - auroc: 0.710 - ETA: 3:15 - loss: 0.4172 - acc: 0.8486 - auroc:
0.710 - ETA: 3:10 - loss: 0.4170 - acc: 0.8487 - auroc: 0.710 - ETA: 3:05 - loss: 0.4170 - acc: 0.
8487 - auroc: 0.710 - ETA: 3:00 - loss: 0.4170 - acc: 0.8487 - auroc: 0.710 - ETA: 2:55 - loss: 0.
4170 - acc: 0.8487 - auroc: 0.710 - ETA: 2:49 - loss: 0.4169 - acc: 0.8488 - auroc: 0.710 - ETA: 2
:44 - loss: 0.4168 - acc: 0.8488 - auroc: 0.710 - ETA: 2:39 - loss: 0.4167 - acc: 0.8488 - auroc:
0.710 - ETA: 2:34 - loss: 0.4169 - acc: 0.8487 - auroc: 0.710 - ETA: 2:29 - loss: 0.4168 - acc: 0.
8487 - auroc: 0.710 - ETA: 2:23 - loss: 0.4167 - acc: 0.8488 - auroc: 0.710 - ETA: 2:18 - loss: 0.
4166 - acc: 0.8488 - auroc: 0.710 - ETA: 2:13 - loss: 0.4164 - acc: 0.8490 - auroc: 0.710 - ETA: 2
:08 - loss: 0.4164 - acc: 0.8490 - auroc: 0.710 - ETA: 2:02 - loss: 0.4164 - acc: 0.8490 - auroc:
0.710 - ETA: 1:57 - loss: 0.4163 - acc: 0.8490 - auroc: 0.710 - ETA: 1:52 - loss: 0.4163 - acc: 0.
8491 - auroc: 0.710 - ETA: 1:47 - loss: 0.4164 - acc: 0.8490 - auroc: 0.710 - ETA: 1:41 - loss: 0.
4163 - acc: 0.8491 - auroc: 0.710 - ETA: 1:36 - loss: 0.4164 - acc: 0.8490 - auroc: 0.710 - ETA: 1
:31 - loss: 0.4166 - acc: 0.8490 - auroc: 0.710 - ETA: 1:26 - loss: 0.4166 - acc: 0.8490 - auroc:
0.710 - ETA: 1:20 - loss: 0.4166 - acc: 0.8490 - auroc: 0.710 - ETA: 1:15 - loss: 0.4166 - acc: 0.
8489 - auroc: 0.710 - ETA: 1:10 - loss: 0.4167 - acc: 0.8489 - auroc: 0.710 - ETA: 1:05 - loss: 0.
4167 - acc: 0.8489 - auroc: 0.710 - ETA: 59s - loss: 0.4169 - acc: 0.8488 - auroc: 0.709 - ETA: 54
s - loss: 0.4168 - acc: 0.8489 - auroc: 0.71 - ETA: 49s - loss: 0.4166 - acc: 0.8489 - auroc: 0.71
- ETA: 43s - loss: 0.4167 - acc: 0.8489 - auroc: 0.71 - ETA: 38s - loss: 0.4168 - acc: 0.8488 - au
roc: 0.71 - ETA: 33s - loss: 0.4167 - acc: 0.8488 - auroc: 0.71 - ETA: 27s - loss: 0.4168 - acc: 0
.8487 - auroc: 0.71 - ETA: 22s - loss: 0.4167 - acc: 0.8488 - auroc: 0.71 - ETA: 17s - loss: 0.416
8 - acc: 0.8487 - auroc: 0.71 - ETA: 11s - loss: 0.4169 - acc: 0.8487 - auroc: 0.71 - ETA: 6s - lo
ss: 0.4169 - acc: 0.8487 - auroc: 0.7104 - ETA: 1s - loss: 0.4170 - acc: 0.8486 - auroc: 0.710 - 3
150s 45ms/step - loss: 0.4171 - acc: 0.8486 - auroc: 0.7104 - val_loss: 0.4181 - val_acc: 0.8486 -
val_auroc: 0.7168
Epoch 15/15
18688/69918 [=======>......................] - ETA: 1:00:19 - loss: 0.4365 - acc: 0.8281 - auroc:
0.72 - ETA: 59:00 - loss: 0.4635 - acc: 0.8320 - auroc: 0.6506 - ETA: 58:52 - loss: 0.4440 - acc:
0.8411 - auroc: 0.67 - ETA: 58:47 - loss: 0.4296 - acc: 0.8477 - auroc: 0.69 - ETA: 58:18 - loss:
0.4126 - acc: 0.8547 - auroc: 0.71 - ETA: 58:09 - loss: 0.4164 - acc: 0.8503 - auroc: 0.72 - ETA:
58:03 - loss: 0.4214 - acc: 0.8482 - auroc: 0.71 - ETA: 57:59 - loss: 0.4224 - acc: 0.8457 - auroc
: 0.72 - ETA: 57:50 - loss: 0.4264 - acc: 0.8464 - auroc: 0.71 - ETA: 57:38 - loss: 0.4299 - acc:
0.8445 - auroc: 0.71 - ETA: 57:31 - loss: 0.4230 - acc: 0.8487 - auroc: 0.71 - ETA: 57:23 - loss:
0.4265 - acc: 0.8477 - auroc: 0.70 - ETA: 57:16 - loss: 0.4314 - acc: 0.8456 - auroc: 0.70 - ETA:
57:10 - loss: 0.4294 - acc: 0.8460 - auroc: 0.70 - ETA: 57:04 - loss: 0.4258 - acc: 0.8495 - auroc
: 0.70 - ETA: 56:57 - loss: 0.4271 - acc: 0.8477 - auroc: 0.70 - ETA: 56:49 - loss: 0.4292 - acc:
0.8456 - auroc: 0.70 - ETA: 56:42 - loss: 0.4305 - acc: 0.8446 - auroc: 0.70 - ETA: 56:30 - loss:
0.4296 - acc: 0.8446 - auroc: 0.70 - ETA: 56:25 - loss: 0.4253 - acc: 0.8469 - auroc: 0.70 - ETA:
56:16 - loss: 0.4219 - acc: 0.8471 - auroc: 0.71 - ETA: 56:09 - loss: 0.4216 - acc: 0.8466 - auroc
: 0.72 - ETA: 56:03 - loss: 0.4218 - acc: 0.8471 - auroc: 0.71 - ETA: 55:57 - loss: 0.4228 - acc:
0.8473 - auroc: 0.71 - ETA: 55:49 - loss: 0.4254 - acc: 0.8453 - auroc: 0.71 - ETA: 55:44 - loss:
0.4256 - acc: 0.8459 - auroc: 0.70 - ETA: 55:39 - loss: 0.4274 - acc: 0.8449 - auroc: 0.71 - ETA:
55:34 - loss: 0.4266 - acc: 0.8460 - auroc: 0.70 - ETA: 55:26 - loss: 0.4291 - acc: 0.8446 - auroc
: 0.70 - ETA: 55:20 - loss: 0.4298 - acc: 0.8435 - auroc: 0.70 - ETA: 55:15 - loss: 0.4286 - acc:
0.8445 - auroc: 0.70 - ETA: 55:09 - loss: 0.4251 - acc: 0.8467 - auroc: 0.70 - ETA: 55:03 - loss:
0.4240 - acc: 0.8473 - auroc: 0.70 - ETA: 54:57 - loss: 0.4218 - acc: 0.8486 - auroc: 0.70 - ETA:
54:52 - loss: 0.4193 - acc: 0.8498 - auroc: 0.71 - ETA: 54:45 - loss: 0.4201 - acc: 0.8496 - auroc
: 0.71 - ETA: 54:39 - loss: 0.4189 - acc: 0.8501 - auroc: 0.71 - ETA: 54:32 - loss: 0.4192 - acc:
0.8501 - auroc: 0.71 - ETA: 54:25 - loss: 0.4212 - acc: 0.8492 - auroc: 0.71 - ETA: 54:19 - loss:
0.4216 - acc: 0.8490 - auroc: 0.71 - ETA: 54:12 - loss: 0.4197 - acc: 0.8495 - auroc: 0.71 - ETA:
54:07 - loss: 0.4215 - acc: 0.8493 - auroc: 0.71 - ETA: 54:01 - loss: 0.4227 - acc: 0.8483 - auroc
: 0.71 - ETA: 53:55 - loss: 0.4245 - acc: 0.8475 - auroc: 0.71 - ETA: 53:48 - loss: 0.4250 - acc:
0.8470 - auroc: 0.71 - ETA: 53:42 - loss: 0.4262 - acc: 0.8461 - auroc: 0.71 - ETA: 53:34 - loss:
0.4243 - acc: 0.8476 - auroc: 0.71 - ETA: 53:26 - loss: 0.4240 - acc: 0.8480 - auroc: 0.71 - ETA:
53:20 - loss: 0.4245 - acc: 0.8474 - auroc: 0.71 - ETA: 53:13 - loss: 0.4249 - acc: 0.8470 - auroc
: 0.71 - ETA: 53:08 - loss: 0.4254 - acc: 0.8467 - auroc: 0.71 - ETA: 53:02 - loss: 0.4247 - acc:

0.8472 - auroc: 0.71 - ETA: 52:55 - loss: 0.4241 - acc: 0.8474 - auroc: 0.71 - ETA: 52:48 - loss: 0.4244 - acc: 0.8471 - auroc: 0.71 - ETA: 52:42 - loss: 0.4248 - acc: 0.8467 - auroc: 0.71 - ETA: 52:36 - loss: 0.4253 - acc: 0.8464 - auroc: 0.71 - ETA: 52:28 - loss: 0.4243 - acc: 0.8469 - auroc: 0.71 - ETA: 52:21 - loss: 0.4240 - acc: 0.8470 - auroc: 0.71 - ETA: 52:14 - loss: 0.4238 - acc: 0.8468 - auroc: 0.71 - ETA: 52:08 - loss: 0.4240 - acc: 0.8466 - auroc: 0.71 - ETA: 52:01 - loss: 0.4230 - acc: 0.8467 - auroc: 0.71 - ETA: 51:55 - loss: 0.4236 - acc: 0.8464 - auroc: 0.71 - ETA: 51:48 - loss: 0.4237 - acc: 0.8462 - auroc: 0.71 - ETA: 51:42 - loss: 0.4237 - acc: 0.8464 - auroc: 0.71 - ETA: 51:35 - loss: 0.4237 - acc: 0.8465 - auroc: 0.71 - ETA: 51:29 - loss: 0.4223 - acc: 0.8473 - auroc: 0.71 - ETA: 51:20 - loss: 0.4223 - acc: 0.8472 - auroc: 0.71 - ETA: 51:14 - loss: 0.4214 - acc: 0.8478 - auroc: 0.71 - ETA: 51:08 - loss: 0.4203 - acc: 0.8484 - auroc: 0.71 - ETA: 51:01 - loss: 0.4206 - acc: 0.8482 - auroc: 0.71 - ETA: 50:54 - loss: 0.4219 - acc: 0.8478 - auroc: 0.71 - ETA: 50:48 - loss: 0.4215 - acc: 0.8481 - auroc: 0.71 - ETA: 50:42 - loss: 0.4211 - acc: 0.8481 - auroc: 0.71 - ETA: 50:35 - loss: 0.4212 - acc: 0.8482 - auroc: 0.71 - ETA: 50:29 - loss: 0.4209 - acc: 0.8481 - auroc: 0.71 - ETA: 50:21 - loss: 0.4210 - acc: 0.8480 - auroc: 0.71 - ETA: 50:15 - loss: 0.4220 - acc: 0.8471 - auroc: 0.71 - ETA: 50:08 - loss: 0.4216 - acc: 0.8476 - auroc: 0.71 - ETA: 50:02 - loss: 0.4210 - acc: 0.8481 - auroc: 0.71 - ETA: 49:55 - loss: 0.4210 - acc: 0.8479 - auroc: 0.71 - ETA: 49:49 - loss: 0.4207 - acc: 0.8481 - auroc: 0.71 - ETA: 49:42 - loss: 0.4202 - acc: 0.8487 - auroc: 0.71 - ETA: 49:35 - loss: 0.4203 - acc: 0.8485 - auroc: 0.71 - ETA: 49:28 - loss: 0.4188 - acc: 0.8491 - auroc: 0.71 - ETA: 49:22 - loss: 0.4193 - acc: 0.8492 - auroc: 0.71 - ETA: 49:15 - loss: 0.4187 - acc: 0.8497 - auroc: 0.71 - ETA: 49:08 - loss: 0.4174 - acc: 0.8502 - auroc: 0.71 - ETA: 49:01 - loss: 0.4160 - acc: 0.8508 - auroc: 0.71 - ETA: 48:55 - loss: 0.4162 - acc: 0.8509 - auroc: 0.71 - ETA: 48:48 - loss: 0.4153 - acc: 0.8516 - auroc: 0.70 - ETA: 48:42 - loss: 0.4167 - acc: 0.8509 - auroc: 0.71 - ETA: 48:36 - loss: 0.4183 - acc: 0.8501 - auroc: 0.70 - ETA: 48:30 - loss: 0.4176 - acc: 0.8506 - auroc: 0.70 - ETA: 48:24 - loss: 0.4167 - acc: 0.8509 - auroc: 0.70 - ETA: 48:18 - loss: 0.4164 - acc: 0.8510 - auroc: 0.70 - ETA: 48:11 - loss: 0.4158 - acc: 0.8516 - auroc: 0.70 - ETA: 48:05 - loss: 0.4154 - acc: 0.8517 - auroc: 0.70 - ETA: 47:58 - loss: 0.4153 - acc: 0.8516 - auroc: 0.70 - ETA: 47:51 - loss: 0.4153 - acc: 0.8515 - auroc: 0.70 - ETA: 47:45 - loss: 0.4159 - acc: 0.8509 - auroc: 0.71 - ETA: 47:39 - loss: 0.4164 - acc: 0.8506 - auroc: 0.71 - ETA: 47:33 - loss: 0.4162 - acc: 0.8508 - auroc: 0.70 - ETA: 47:26 - loss: 0.4165 - acc: 0.8504 - auroc: 0.71 - ETA: 47:20 - loss: 0.4171 - acc: 0.8503 - auroc: 0.70 - ETA: 47:14 - loss: 0.4171 - acc: 0.8504 - auroc: 0.70 - ETA: 47:07 - loss: 0.4171 - acc: 0.8503 - auroc: 0.70 - ETA: 47:01 - loss: 0.4168 - acc: 0.8505 - auroc: 0.70 - ETA: 46:54 - loss: 0.4172 - acc: 0.8504 - auroc: 0.70 - ETA: 46:48 - loss: 0.4178 - acc: 0.8501 - auroc: 0.70 - ETA: 46:42 - loss: 0.4183 - acc: 0.8499 - auroc: 0.70 - ETA: 46:36 - loss: 0.4175 - acc: 0.8503 - auroc: 0.70 - ETA: 46:30 - loss: 0.4178 - acc: 0.8502 - auroc: 0.70 - ETA: 46:23 - loss: 0.4183 - acc: 0.8500 - auroc: 0.70 - ETA: 46:17 - loss: 0.4190 - acc: 0.8497 - auroc: 0.70 - ETA: 46:10 - loss: 0.4190 - acc: 0.8496 - auroc: 0.70 - ETA: 46:03 - loss: 0.4188 - acc: 0.8495 - auroc: 0.70 - ETA: 45:57 - loss: 0.4192 - acc: 0.8493 - auroc: 0.70 - ETA: 45:50 - loss: 0.4194 - acc: 0.8490 - auroc: 0.70 - ETA: 45:44 - loss: 0.4187 - acc: 0.8495 - auroc: 0.70 - ETA: 45:38 - loss: 0.4192 - acc: 0.8492 - auroc: 0.70 - ETA: 45:31 - loss: 0.4191 - acc: 0.8493 - auroc: 0.70 - ETA: 45:25 - loss: 0.4193 - acc: 0.8492 - auroc: 0.70 - ETA: 45:18 - loss: 0.4192 - acc: 0.8491 - auroc: 0.70 - ETA: 45:11 - loss: 0.4185 - acc: 0.8494 - auroc: 0.70 - ETA: 45:05 - loss: 0.4187 - acc: 0.8492 - auroc: 0.70 - ETA: 44:59 - loss: 0.4185 - acc: 0.8494 - auroc: 0.70 - ETA: 44:52 - loss: 0.4183 - acc: 0.8495 - auroc: 0.70 - ETA: 44:46 - loss: 0.4179 - acc: 0.8495 - auroc: 0.70 - ETA: 44:40 - loss: 0.4178 - acc: 0.8495 - auroc: 0.70 - ETA: 44:33 - loss: 0.4175 - acc: 0.8497 - auroc: 0.71 - ETA: 44:27 - loss: 0.4180 - acc: 0.8491 - auroc: 0.71 - ETA: 44:21 - loss: 0.4178 - acc: 0.8491 - auroc: 0.71 - ETA: 44:14 - loss: 0.4177 - acc: 0.8492 - auroc: 0.71 - ETA: 44:08 - loss: 0.4178 - acc: 0.8491 - auroc: 0.71 - ETA: 44:02 - loss: 0.4183 - acc: 0.8484 - auroc: 0.71 - ETA: 43:55 - loss: 0.4188 - acc: 0.8482 - auroc: 0.71 - ETA: 43:49 - loss: 0.4183 - acc: 0.8484 - auroc: 0.71 - ETA: 43:43 - loss: 0.4186 - acc: 0.8481 - auroc: 0.71 - ETA: 43:36 - loss: 0.4180 - acc: 0.8484 - auroc: 0.71 - ETA: 43:30 - loss: 0.4180 - acc: 0.8485 - auroc: 0.71 - ETA: 43:23 - loss: 0.4178 - acc: 0.8487 - auroc: 0.71 - ETA: 43:17 - loss: 0.4184 - acc: 0.8483 - auroc: 0.71 - ETA: 43:11 - loss: 0.4181 - acc: 0.8484 - auroc: 0.71 - ETA: 43:05 - loss: 0.4180 - acc: 0.8483 - auroc: 0.71 - ETA: 42:58 - loss: 0.4179 - acc: 0.8485 - auroc: 0.71 - ETA: 42:52 - loss: 0.4177 - acc: 0.8484 - auroc: 0.713037376/69918 [================>...............] - ETA: 42:46 - loss: 0.4173 - acc: 0.8486 - auroc: 0.71 - ETA: 42:39 - loss: 0.4170 - acc: 0.8487 - auroc: 0.71 - ETA: 42:33 - loss: 0.4165 - acc: 0.8489 - auroc: 0.71 - ETA: 42:27 - loss: 0.4164 - acc: 0.8491 - auroc: 0.71 - ETA: 42:21 - loss: 0.4168 - acc: 0.8488 - auroc: 0.71 - ETA: 42:14 - loss: 0.4168 - acc: 0.8489 - auroc: 0.71 - ETA: 42:07 - loss: 0.4169 - acc: 0.8490 - auroc: 0.71 - ETA: 42:01 - loss: 0.4170 - acc: 0.8490 - auroc: 0.71 - ETA: 41:54 - loss: 0.4169 - acc: 0.8489 - auroc: 0.71 - ETA: 41:48 - loss: 0.4168 - acc: 0.8492 - auroc: 0.71 - ETA: 41:41 - loss: 0.4167 - acc: 0.8491 - auroc: 0.71 - ETA: 41:35 - loss: 0.4170 - acc: 0.8490 - auroc: 0.71 - ETA: 41:29 - loss: 0.4171 - acc: 0.8489 - auroc: 0.71 - ETA: 41:22 - loss: 0.4175 - acc: 0.8487 - auroc: 0.71 - ETA: 41:16 - loss: 0.4175 - acc: 0.8487 - auroc: 0.71 - ETA: 41:09 - loss: 0.4173 - acc: 0.8487 - auroc: 0.71 - ETA: 41:03 - loss: 0.4173 - acc: 0.8486 - auroc: 0.71 - ETA: 40:56 - loss: 0.4174 - acc: 0.8485 - auroc: 0.71 - ETA: 40:50 - loss: 0.4176 - acc: 0.8483 - auroc: 0.71 - ETA: 40:43 - loss: 0.4175 - acc: 0.8481 - auroc: 0.71 - ETA: 40:37 - loss: 0.4180 - acc: 0.8479 - auroc: 0.71 - ETA: 40:30 - loss: 0.4178 - acc: 0.8480 - auroc: 0.71 - ETA: 40:24 - loss: 0.4180 - acc: 0.8480 - auroc: 0.71 - ETA: 40:18 - loss: 0.4181 - acc: 0.8480 - auroc: 0.71 - ETA: 40:11 - loss: 0.4184 - acc: 0.8478 - auroc: 0.71 - ETA: 40:05 - loss: 0.4182 - acc: 0.8480 - auroc: 0.71 - ETA: 39:58 - loss: 0.4183 - acc: 0.8480 - auroc: 0.71 - ETA: 39:52 - loss: 0.4182 - acc: 0.8482 - auroc: 0.71 - ETA: 39:46 - loss: 0.4187 - acc: 0.8478 - auroc: 0.71 - ETA: 39:39 - loss: 0.4184 - acc: 0.8480 - auroc: 0.71 - ETA: 39:33 - loss: 0.4186 - acc: 0.8478 - auroc: 0.71 - ETA: 39:26 - loss: 0.4190 - acc: 0.8476 - auroc: 0.71 - ETA: 39:20 - loss: 0.4190 - acc: 0.8476 - auroc: 0.71 - ETA: 39:13 - loss: 0.4187 - acc: 0.8478 - auroc: 0.71 - ETA: 39:07 - loss: 0.4185 - acc: 0.8479 - auroc: 0.71 - ETA: 39:00 - loss: 0.4183 - acc: 0.8480 - auroc: 0.71 - ETA: 38:54 - loss: 0.4180 - acc: 0.8482 - auroc: 0.71 - ETA: 38:47 - loss: 0.4180 - acc: 0.8481 - auroc: 0.71 - ETA: 38:41 - loss: 0.4180 - acc: 0.8481 - auroc: 0.71 - ETA: 38:35 - loss:

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: 0.8481 - auroc: 0.71 - ETA: 38:41 - loss: 0.4166 - acc: 0.8481 - auroc: 0.71 - ETA: 38:35 - loss
: 0.4177 - acc: 0.8483 - auroc: 0.71 - ETA: 38:29 - loss: 0.4170 - acc: 0.8486 - auroc: 0.71 - ETA
: 38:22 - loss: 0.4169 - acc: 0.8487 - auroc: 0.71 - ETA: 38:16 - loss: 0.4165 - acc: 0.8490 - aur
oc: 0.71 - ETA: 38:09 - loss: 0.4164 - acc: 0.8490 - auroc: 0.71 - ETA: 38:03 - loss: 0.4163 - acc
: 0.8492 - auroc: 0.71 - ETA: 37:56 - loss: 0.4161 - acc: 0.8494 - auroc: 0.71 - ETA: 37:50 - loss
: 0.4160 - acc: 0.8494 - auroc: 0.71 - ETA: 37:43 - loss: 0.4159 - acc: 0.8493 - auroc: 0.71 - ETA
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oc: 0.71 - ETA: 37:24 - loss: 0.4171 - acc: 0.8487 - auroc: 0.71 - ETA: 37:18 - loss: 0.4171 - acc
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A: 9:21 - loss: 0.4158 - acc: 0.8490 - auroc: 0.712 - ETA: 9:14 - loss: 0.4157 - acc: 0.8490 - aur
oc: 0.712 - ETA: 9:08 - loss: 0.4155 - acc: 0.8492 - auroc: 0.712 - ETA: 9:01 - loss: 0.4155 - acc
: 0.8492 - auroc: 0.712 - ETA: 8:55 - loss: 0.4154 - acc: 0.8492 - auroc: 0.712 - ETA: 8:48 - loss
: 0.4153 - acc: 0.8493 - auroc: 0.712 - ETA: 8:42 - loss: 0.4154 - acc: 0.8492 - auroc: 0.712 - ET
A: 8:36 - loss: 0.4153 - acc: 0.8493 - auroc: 0.712 - ETA: 8:29 - loss: 0.4151 - acc: 0.8494 - aur
oc: 0.712 - ETA: 8:23 - loss: 0.4151 - acc: 0.8494 - auroc: 0.712 - ETA: 8:16 - loss: 0.4151 - acc
: 0.8493 - auroc: 0.712 - ETA: 8:10 - loss: 0.4151 - acc: 0.8493 - auroc: 0.712 - ETA: 8:03 - loss
: 0.4151 - acc: 0.8493 - auroc: 0.712 - ETA: 7:57 - loss: 0.4150 - acc: 0.8494 - auroc: 0.712 - ET
A: 7:51 - loss: 0.4151 - acc: 0.8494 - auroc: 0.712 - ETA: 7:44 - loss: 0.4151 - acc: 0.8493 - aur
oc: 0.712 - ETA: 7:38 - loss: 0.4150 - acc: 0.8493 - auroc: 0.712 - ETA: 7:31 - loss: 0.4150 - acc
: 0.8494 - auroc: 0.712 - ETA: 7:25 - loss: 0.4150 - acc: 0.8494 - auroc: 0.712 - ETA: 7:18 - loss
: 0.4152 - acc: 0.8493 - auroc: 0.711 - ETA: 7:12 - loss: 0.4150 - acc: 0.8494 - auroc: 0.711 - ET
A: 7:06 - loss: 0.4149 - acc: 0.8495 - auroc: 0.711 - ETA: 6:59 - loss: 0.4152 - acc: 0.8493 - aur
oc: 0.711 - ETA: 6:53 - loss: 0.4153 - acc: 0.8492 - auroc: 0.711 - ETA: 6:46 - loss: 0.4154 - acc
: 0.8491 - auroc: 0.711 - ETA: 6:40 - loss: 0.4155 - acc: 0.8491 - auroc: 0.711 - ETA: 6:33 - loss
: 0.4154 - acc: 0.8491 - auroc: 0.712 - ETA: 6:27 - loss: 0.4154 - acc: 0.8491 - auroc: 0.712 - ET
A: 6:21 - loss: 0.4155 - acc: 0.8490 - auroc: 0.712 - ETA: 6:14 - loss: 0.4155 - acc: 0.8490 - aur
oc: 0.711 - ETA: 6:08 - loss: 0.4154 - acc: 0.8490 - auroc: 0.712 - ETA: 6:01 - loss: 0.4153 - acc
: 0.8491 - auroc: 0.712 - ETA: 5:55 - loss: 0.4154 - acc: 0.8490 - auroc: 0.712 - ETA: 5:48 - loss
: 0.4156 - acc: 0.8489 - auroc: 0.712 - ETA: 5:42 - loss: 0.4157 - acc: 0.8488 - auroc: 0.712 - ET
A: 5:36 - loss: 0.4156 - acc: 0.8488 - auroc: 0.712 - ETA: 5:29 - loss: 0.4157 - acc: 0.8487 - aur
oc: 0.712 - ETA: 5:23 - loss: 0.4157 - acc: 0.8488 - auroc: 0.712 - ETA: 5:16 - loss: 0.4157 - acc
: 0.8488 - auroc: 0.712 - ETA: 5:10 - loss: 0.4155 - acc: 0.8489 - auroc: 0.712 - ETA: 5:03 - loss
: 0.4153 - acc: 0.8490 - auroc: 0.712 - ETA: 4:57 - loss: 0.4152 - acc: 0.8491 - auroc: 0.712 - ET
A: 4:51 - loss: 0.4151 - acc: 0.8491 - auroc: 0.711 - ETA: 4:44 - loss: 0.4151 - acc: 0.8492 - aur
oc: 0.711 - ETA: 4:38 - loss: 0.4152 - acc: 0.8492 - auroc: 0.711 - ETA: 4:31 - loss: 0.4153 - acc
: 0.8491 - auroc: 0.711 - ETA: 4:25 - loss: 0.4157 - acc: 0.8490 - auroc: 0.711 - ETA: 4:18 - loss
: 0.4160 - acc: 0.8488 - auroc: 0.711 - ETA: 4:12 - loss: 0.4158 - acc: 0.8489 - auroc: 0.711 - ET
A: 4:06 - loss: 0.4158 - acc: 0.8489 - auroc: 0.711 - ETA: 3:59 - loss: 0.4160 - acc: 0.8488 - aur
oc: 0.711 - ETA: 3:53 - loss: 0.4161 - acc: 0.8488 - auroc: 0.711 - ETA: 3:46 - loss: 0.4161 - acc
: 0.8488 - auroc: 0.711 - ETA: 3:40 - loss: 0.4161 - acc: 0.8488 - auroc: 0.711 - ETA: 3:33 - loss
: 0.4161 - acc: 0.8488 - auroc: 0.711 - ETA: 3:27 - loss: 0.4161 - acc: 0.8488 - auroc: 0.711 - ET
A: 3:21 - loss: 0.4162 - acc: 0.8488 - auroc: 0.711 - ETA: 3:14 - loss: 0.4163 - acc: 0.8487 - aur
oc: 0.711 - ETA: 3:08 - loss: 0.4163 - acc: 0.8487 - auroc: 0.711 - ETA: 3:01 - loss: 0.4166 - acc
: 0.8486 - auroc: 0.710 - ETA: 2:55 - loss: 0.4166 - acc: 0.8486 - auroc: 0.711 - ETA: 2:48 - loss
: 0.4166 - acc: 0.8486 - auroc: 0.711 - ETA: 2:42 - loss: 0.4167 - acc: 0.8484 - auroc: 0.711 - ET
A: 2:36 - loss: 0.4167 - acc: 0.8485 - auroc: 0.711 - ETA: 2:29 - loss: 0.4167 - acc: 0.8485 - aur
oc: 0.711 - ETA: 2:23 - loss: 0.4166 - acc: 0.8485 - auroc: 0.711 - ETA: 2:16 - loss: 0.4167 - acc
: 0.8485 - auroc: 0.711 - ETA: 2:10 - loss: 0.4167 - acc: 0.8484 - auroc: 0.711 - ETA: 2:03 - loss
: 0.4167 - acc: 0.8485 - auroc: 0.711 - ETA: 1:57 - loss: 0.4168 - acc: 0.8484 - auroc: 0.711 - ET
A: 1:50 - loss: 0.4166 - acc: 0.8485 - auroc: 0.711 - ETA: 1:44 - loss: 0.4165 - acc: 0.8486 - aur
oc: 0.710 - ETA: 1:38 - loss: 0.4165 - acc: 0.8486 - auroc: 0.711 - ETA: 1:31 - loss: 0.4165 - acc
: 0.8486 - auroc: 0.711 - ETA: 1:25 - loss: 0.4164 - acc: 0.8486 - auroc: 0.711 - ETA: 1:18 - loss
: 0.4163 - acc: 0.8486 - auroc: 0.711 - ETA: 1:12 - loss: 0.4164 - acc: 0.8485 - auroc: 0.711 - ET
A: 1:05 - loss: 0.4166 - acc: 0.8484 - auroc: 0.711 - ETA: 59s - loss: 0.4165 - acc: 0.8485 - auro
c: 0.711 - ETA: 53s - loss: 0.4165 - acc: 0.8485 - auroc: 0.71 - ETA: 46s - loss: 0.4165 - acc: 0.
8485 - auroc: 0.71 - ETA: 40s - loss: 0.4166 - acc: 0.8485 - auroc: 0.71 - ETA: 33s - loss: 0.4167
- acc: 0.8484 - auroc: 0.71 - ETA: 27s - loss: 0.4167 - acc: 0.8484 - auroc: 0.71 - ETA: 20s - los
s: 0.4166 - acc: 0.8485 - auroc: 0.71 - ETA: 14s - loss: 0.4165 - acc: 0.8486 - auroc: 0.71 - ETA:
7s - loss: 0.4164 - acc: 0.8486 - auroc: 0.7114 - ETA: 1s - loss: 0.4165 - acc: 0.8486 - auroc: 0.
711 - 3754s 54ms/step - loss: 0.4164 - acc: 0.8486 - auroc: 0.7114 - val_loss: 0.4246 - val_acc: 0
.8486 - val_auroc: 0.7162
```

In [74]:

```python
print("val_auroc of test data : ", 0.7162)
```

```
val_auroc of test data :  0.7162
```

In [76]:

```python
%matplotlib notebook
%matplotlib inline
```

In [77]:

```python
def plt_dynamic(x, vy, ty, ax, colors=['b']):
    ax.plot(x, vy, 'b', label="Validation Loss")
    ax.plot(x, ty, 'r', label="Train Loss")
    plt.legend()
```

```
    plt.grid()
    fig.canvas.draw()
```

```python
fig,ax = plt.subplots(1,1)
ax.set_xlabel('epoch') ; ax.set_ylabel('binary Crossentropy Loss')

# list of epoch numbers
x = list(range(1,15+1))

# print(history.history.keys())
# dict_keys(['val_loss', 'val_acc', 'loss', 'acc'])
# history = model_drop.fit(X_train, Y_train, batch_size=batch_size, epochs=nb_epoch, verbose=1, va
lidation_data=(X_test, Y_test))

# we will get val_loss and val_acc only when you pass the paramter validation_data
# val_loss : validation loss
# val_acc : validation accuracy

# loss : training loss
# acc : train accuracy
# for each key in histrory.histrory we will have a list of length equal to number of epochs


vy = history_1.history['val_loss']
ty = history_1.history['loss']
plt_dynamic(x, vy, ty, ax)
```

```python
def plt_dynamic_auc(x, vy, ty, ax, colors=['b']):
    ax.plot(x, vy, 'b', label="Validation auc")
    ax.plot(x, ty, 'r', label="Train auc")
    plt.legend()
    plt.grid()
    fig.canvas.draw()
```

```python
fig,ax = plt.subplots(1,1)
ax.set_xlabel('epoch') ; ax.set_ylabel('auc')

# list of epoch numbers
x = list(range(1,15+1))

# print(history.history.keys())
# dict_keys(['val_loss', 'val_acc', 'loss', 'acc'])
# history = model_drop.fit(X_train, Y_train, batch_size=batch_size, epochs=nb_epoch, verbose=1, va
lidation_data=(X_test, Y_test))

# we will get val_loss and val_acc only when you pass the paramter validation_data
# val_loss : validation loss
# val_acc : validation accuracy

# loss : training loss
# acc : train accuracy
```

```
# for each key in histrory.histrory we will have a list of length equal to number of epochs


vy = history_1.history['val_auroc']
ty = history_1.history['auroc']
plt_dynamic_auc(x, vy, ty, ax)
```
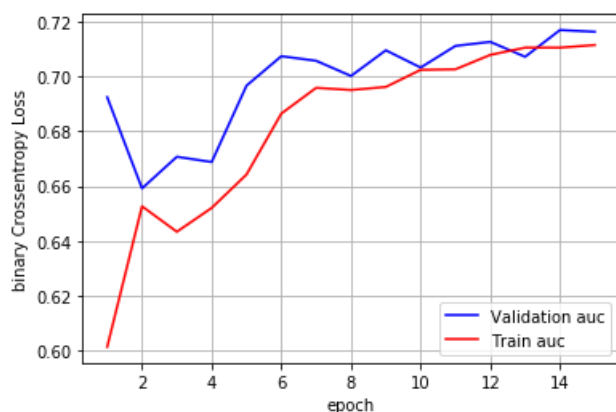

Model 2

In [65]:

```
vectorizer = TfidfVectorizer(min_df=10,max_features=10000) #Defining TFIDF with min_df=10
tf_v = vectorizer.fit(x_train.clean_essay)
```

In [66]:

```
idf_values = vectorizer.idf_
```

In [67]:

```
df = pd.DataFrame(idf_values, columns= ["idf"])
df.head()
```

Out[67]:

	idf
0	7.178359
1	5.944493
2	4.476766
3	3.801596
4	7.171486

In [68]:

```
sns.boxplot(y = "idf", data = df )
```

Out[68]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x1a0a5ffd788>
```
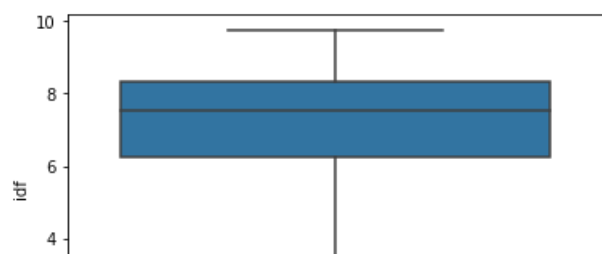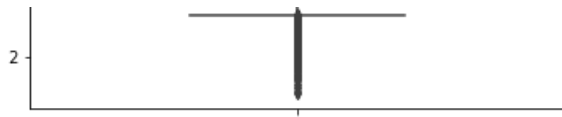
In [69]:

```python
#calculating speed values at each percntile 0,10,20,30,40,50,60,70,80,90,100
for i in range(0,100,10):
    var =idf_values
    var = np.sort(var,axis = None)
    print("{} percentile value is {}".format(i,var[int(len(var)*(float(i)/100))]))
print("100 percentile value is ",var[-1])
```

```
0 percentile value is 1.007882931788298
10 percentile value is 4.961406889772533
20 percentile value is 5.878449218826001
30 percentile value is 6.594411077152118
40 percentile value is 7.118140105754016
50 percentile value is 7.5399721913263855
60 percentile value is 7.89241283112633
70 percentile value is 8.203848989586218
80 percentile value is 8.491531062038
90 percentile value is 8.75389532650549
100 percentile value is  9.757197435369275
```

In [33]:

```python
for i in range(0,100,5):
    var =idf_values
    var = np.sort(var,axis = None)
    print("{} percentile value is {}".format(i,var[int(len(var)*(float(i)/100))]))
print("100 percentile value is ",var[-1])
```

```
0 percentile value is 1.007882931788298
5 percentile value is 4.107903145997144
10 percentile value is 4.961406889772533
15 percentile value is 5.465493438988679
20 percentile value is 5.878449218826001
25 percentile value is 6.266214749834764
30 percentile value is 6.594411077152118
35 percentile value is 6.86682567747311
40 percentile value is 7.118140105754016
45 percentile value is 7.342908352795227
50 percentile value is 7.5399721913263855
55 percentile value is 7.724275909324332
60 percentile value is 7.89241283112633
65 percentile value is 8.044218843994333
70 percentile value is 8.203848989586218
75 percentile value is 8.348430218397326
80 percentile value is 8.491531062038
85 percentile value is 8.628732183551485
90 percentile value is 8.75389532650549
95 percentile value is 8.896996170146164
100 percentile value is  9.757197435369275
```

In [34]:

```python
features = vectorizer.get_feature_names()
sorted_idf = np.argsort(idf_values)[::-1]
```

In [35]:

```python
len(features)
```

Out[35]:

```
10000
```

In [36]:

```
sorted_idf
```

Out[36]:

```
array([3950, 1619,  284, ..., 7840, 5912, 8648], dtype=int64)
```

In [37]:

```
imp_words = {features[e] for  e in sorted_idf[3000:8500]}
```

In [38]:

```
not_imp_words = []
for word in features:
    if word not in imp_words:
        not_imp_words.append(word)
```

In [39]:

```
def remove_words_with_idfValue(sentences):
    processed = []
    for sent in tqdm(sentences):
        sent = ' '.join(e for e in sent.split() if e not in not_imp_words)
        processed.append(sent)
    return processed
```

In [40]:

```
x_train_idf = remove_words_with_idfValue(x_train.clean_essay)
x_cv_idf = remove_words_with_idfValue(x_cv.clean_essay)
x_test_idf = remove_words_with_idfValue(x_test.clean_essay)
```

```
100%|████████████████████████████████████████████████████| 69918/69918 [14
:55<00:00, 78.04it/s]
100%|████████████████████████████████████████████████████| 17480/17480 [03
:44<00:00, 77.82it/s]
100%|████████████████████████████████████████████████████| 21850/21850 [04
:42<00:00, 77.37it/s]
```

In [41]:

```
max_length = 400
```

In [42]:

```
#https://machinelearningmastery.com/use-word-embedding-layers-deep-learning-keras/
def padded(encoded_docs):
    max_length = 400
    padded_docs = pad_sequences(encoded_docs, maxlen=max_length, padding='post')
    return padded_docs
```

In [43]:

```
#https://stackoverflow.com/posts/51956230/revisions
t = Tokenizer()
t.fit_on_texts(x_train_idf)
vocab_size = len(t.word_index) + 1
# integer encode the documents
encoded_docs = t.texts_to_sequences(x_train_idf)
essay_padded_train = padded(encoded_docs)
```

In [44]:

```
#t = Tokenizer()
#t.fit_on_texts(x_cross_imp)
#vocab_size = len(t.word_index) + 1
# integer encode the documents
```

```
encoded_docs = t.texts_to_sequences(x_cv_idf)
essay_padded_cv = padded(encoded_docs)
```

In [45]:

```
#t = Tokenizer()
#t.fit_on_texts(x_test_imp)
# vocab_size = len(t.word_index) + 1
# integer encode the documents
encoded_docs = t.texts_to_sequences(x_test_idf)
essay_padded_test = padded(encoded_docs)
```

In [46]:

```
print("encoded train data shape",essay_padded_train.shape)
print("encoded cv data shape",essay_padded_cv.shape)
print("encoded test data shape",essay_padded_test.shape)
```

```
encoded train data shape (69918, 400)
encoded cv data shape (17480, 400)
encoded test data shape (21850, 400)
```

In [47]:

```
embeddings_index = dict()
f = open('glove.6B.50d.txt', encoding='utf8')
for line in f:
    values = line.split()
    word = values[0]
    coefs = asarray(values[1:], dtype='float32')
    embeddings_index[word] = coefs
f.close()
```

In [48]:

```
embedding_matrix = zeros((vocab_size, 50))
for word, i in t.word_index.items():
    embedding_vector = embeddings_index.get(word)
    if embedding_vector is not None:
        embedding_matrix[i] = embedding_vector
```

In [49]:

```
print("embedding matrix shape",embedding_matrix.shape)
```

```
embedding matrix shape (42744, 50)
```

In [50]:

```
input_train = np.concatenate(((x_train['quantity'].values.reshape(-1,1),x_train['price'].values.resh
ape(-1,1),x_train['teacher_number_of_previously_posted_projects'].values.reshape(-1,1)), axis=1)
input_cv = np.concatenate(((x_cv['quantity'].values.reshape(-1,1),x_cv['price'].values.reshape(-1,1)
,x_cv['teacher_number_of_previously_posted_projects'].values.reshape(-1,1)), axis=1)
input_test = np.concatenate(((x_test['quantity'].values.reshape(-1,1),x_test['price'].values.reshape
(-1,1),x_test['teacher_number_of_previously_posted_projects'].values.reshape(-1,1)), axis=1)
```

In [51]:

```
std_num = StandardScaler().fit(input_train)
input_train_norm = std_num.transform(input_train)
input_cv_norm = std_num.transform(input_cv)
input_test_norm = std_num.transform(input_test)
```

In [52]:

```
y_binary_train = to_categorical(y_train)
y_binary_cv = to_categorical(y_cv)
y_binary_test = to_categorical(y_test)
```

In [53]:

```python
import keras.backend as K
K.clear_session()
```

WARNING: Logging before flag parsing goes to stderr.
W1023 20:51:28.951817 1924 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:95: The name tf.reset_default_graph is deprecated. Pl
ease use tf.compat.v1.reset_default_graph instead.

W1023 20:51:28.956814 1924 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:98: The name tf.placeholder_with_default is
deprecated. Please use tf.compat.v1.placeholder_with_default instead.

W1023 20:51:29.306667 1924 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:102: The name tf.get_default_graph is deprecated. Ple
ase use tf.compat.v1.get_default_graph instead.

In [54]:

```python
#https://medium.com/@davidheffernan_99410/an-introduction-to-using-categorical-embeddings-ee686ed7
e7f9
category_variables = ["teacher_prefix","school_state","project_grade_category","clean_categories","
clean_subcategories"]
category_sizes = {}
category_embsizes = {}
for cat in category_variables:
    category_sizes[cat] = x_train[cat].nunique()
    category_embsizes[cat] = min(50, category_sizes[cat]//2+1)
```

In [55]:

```python
inputs = []
concat = []
```

In [56]:

```python
for cat in category_variables:
    x = Input((1,), name=cat)
    inputs.append(x)
    x = Embedding(category_sizes[cat]+1, category_embsizes[cat], input_length=1)(x)
    x = Flatten()(x)
    concat.append(x)
```

W1023 20:51:36.077312 1924 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:517: The name tf.placeholder is deprecated. Please us
e tf.compat.v1.placeholder instead.

W1023 20:51:36.122325 1924 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\keras\backend\tensorflow_backend.py:4138: The name tf.random_uniform is deprecated. Pleas
e use tf.random.uniform instead.

In [57]:

```python
text_input = Input(shape=(max_length,), name = "text_input")
# max_length = 150 ---->max length of sentence
inputs.append(text_input)
e1 = Embedding(vocab_size, 50, weights=[embedding_matrix], input_length=max_length,trainable=False
)(text_input)

l1= LSTM(128,kernel_initializer='glorot_normal',recurrent_dropout=0.5,kernel_regularizer=l2(0.001)
,return_sequences=True)(e1)
f1= Flatten()(l1)
```

```
f1= Flatten()(l1)
concat.append(f1)
```

In [58]:

```python
input_layer_num =  Input(shape=(3,), name="input_layer_num")
inputs.append(input_layer_num)
input_dense_num = Dense(64,
activation='relu',kernel_initializer='glorot_normal',kernel_regularizer=l2(0.001))(input_layer_num
)
concat.append(input_dense_num)
```

In [59]:

```python
x = Concatenate()(concat)
x= Dense(128, activation='relu',kernel_regularizer=l2(0.01))(x)
#x=BatchNormalization()(x)
x= Dropout(0.4)(x)
#x= Dense(256,kernel_initializer='glorot_normal',kernel_regularizer=l2(0.001))(x)
x= Dense(64, activation='relu',kernel_regularizer=l2(0.01))(x)
x= Dropout(0.3)(x)
x= Dense(64, activation='relu',kernel_regularizer=l2(0.01))(x)
#x= Dense(128,kernel_initializer='glorot_normal',kernel_regularizer=l2(0.01))(x)
x= Dense(32, activation='relu',kernel_regularizer=l2(0.01))(x)
#x= Dense(64,kernel_initializer='glorot_normal',kernel_regularizer=l2(0.001))(x)

output=Dense(2, activation='softmax')(x)
model_2 = Model(inputs=inputs, outputs=output)
```

In [60]:

```python
model_2.summary()
```

```
_____
Layer (type)                    Output Shape         Param #     Connected to
=========================================================================================
text_input (InputLayer)         (None, 400)          0
_____
teacher_prefix (InputLayer)     (None, 1)            0
_____
school_state (InputLayer)       (None, 1)            0
_____
project_grade_category (InputLa (None, 1)            0
_____
clean_categories (InputLayer)   (None, 1)            0
_____
clean_subcategories (InputLayer (None, 1)            0
_____
embedding_6 (Embedding)         (None, 400, 50)      2137200     text_input[0][0]
_____
embedding_1 (Embedding)         (None, 1, 3)         18          teacher_prefix[0][0]
_____
embedding_2 (Embedding)         (None, 1, 26)        1352        school_state[0][0]
_____
embedding_3 (Embedding)         (None, 1, 3)         15          project_grade_category[0][0]
_____
embedding_4 (Embedding)         (None, 1, 26)        1326        clean_categories[0][0]
_____
embedding_5 (Embedding)         (None, 1, 50)        19250       clean_subcategories[0][0]
_____
lstm_1 (LSTM)                   (None, 400, 128)     91648       embedding_6[0][0]
_____
input_layer_num (InputLayer)    (None, 3)            0
_____
flatten_1 (Flatten)             (None, 3)            0           embedding_1[0][0]
```

flatten_2 (Flatten)	(None, 26)	0	embedding_2[0][0]
flatten_3 (Flatten)	(None, 3)	0	embedding_3[0][0]
flatten_4 (Flatten)	(None, 26)	0	embedding_4[0][0]
flatten_5 (Flatten)	(None, 50)	0	embedding_5[0][0]
flatten_6 (Flatten)	(None, 51200)	0	lstm_1[0][0]
dense_1 (Dense)	(None, 64)	256	input_layer_num[0][0]
concatenate_1 (Concatenate)	(None, 51372)	0	flatten_1[0][0] flatten_2[0][0] flatten_3[0][0] flatten_4[0][0] flatten_5[0][0] flatten_6[0][0] dense_1[0][0]
dense_2 (Dense)	(None, 128)	6575744	concatenate_1[0][0]
dropout_1 (Dropout)	(None, 128)	0	dense_2[0][0]
dense_3 (Dense)	(None, 64)	8256	dropout_1[0][0]
dropout_2 (Dropout)	(None, 64)	0	dense_3[0][0]
dense_4 (Dense)	(None, 64)	4160	dropout_2[0][0]
dense_5 (Dense)	(None, 32)	2080	dense_4[0][0]
dense_6 (Dense)	(None, 2)	66	dense_5[0][0]

```
Total params: 8,841,371
Trainable params: 6,704,171
Non-trainable params: 2,137,200
```

In [132]:

```python
#https://machinelearningmastery.com/visualize-deep-learning-neural-network-model-keras/
from keras.utils.vis_utils import plot_model
plot_model(model_2, to_file='model_1.png', show_shapes=True, show_layer_names=True)
```

In [61]:

```python
def auroc(y_true, y_pred):
    return tf.py_func(roc_auc_score, (y_true, y_pred), tf.double)
```

In [62]:

```python
batch_size=512
```

In [74]:

```python
model_2.compile(optimizer=tf.train.AdamOptimizer(),
loss='categorical_crossentropy',metrics=['accuracy', auroc])
```

In [75]:

```python
log_dir="logs/fit/" + datetime.datetime.now().strftime("%Y%m%d-%H%M%S")
tensorboard = TensorBoard(log_dir= log_dir)
```

In [76]:

```python
callbacks_list = [tensorboard]
```

```python
history_2= model_2.fit({'text_input': essay_padded_train, 'school_state': x_train_state,
'project_grade_category': x_train_grade,'clean_categories':
x_train_cat,'clean_subcategories':x_train_scat, 'teacher_prefix':x_train_teacher_prefix,
'input_layer_num':input_train},
          y_binary_train,
          epochs=15, batch_size=batch_size,verbose=1, validation_data=({'text_input':
essay_padded_cv, 'school_state': x_cv_state, 'project_grade_category':
x_cv_grade,'clean_categories': x_cv_cat,'clean_subcategories':x_cv_scat,
'teacher_prefix':x_cv_teacher_prefix, 'input_layer_num':input_cv},
          y_binary_cv),callbacks=callbacks_list)
```

```
W1023 20:57:41.898537  1924 deprecation.py:323] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-
packages\tensorflow\python\ops\math_grad.py:1250: add_dispatch_support.<locals>.wrapper (from
tensorflow.python.ops.array_ops) is deprecated and will be removed in a future version.
Instructions for updating:
Use tf.where in 2.0, which has the same broadcast rule as np.where
```

```
Train on 69918 samples, validate on 17480 samples
```

```
W1023 20:57:45.762753  1924 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-packages\keras\callbacks.py:850: The
name tf.summary.merge_all is deprecated. Please use tf.compat.v1.summary.merge_all instead.

W1023 20:57:45.762753  1924 deprecation_wrapper.py:119] From
c:\users\acer\appdata\local\programs\python\python37\lib\site-packages\keras\callbacks.py:853: The
name tf.summary.FileWriter is deprecated. Please use tf.compat.v1.summary.FileWriter instead.
```

```
Epoch 1/15
69918/69918 [==============================] - ETA: 21:36 - loss: 5.4562 - acc: 0.4062 - auroc: 0.
42 - ETA: 17:30 - loss: 5.0580 - acc: 0.6240 - auroc: 0.43 - ETA: 18:12 - loss: 4.7240 - acc: 0.69
92 - auroc: 0.42 - ETA: 18:16 - loss: 4.4474 - acc: 0.7334 - auroc: 0.42 - ETA: 18:36 - loss: 4.21
68 - acc: 0.7562 - auroc: 0.42 - ETA: 18:51 - loss: 4.0049 - acc: 0.7718 - auroc: 0.43 - ETA: 19:1
4 - loss: 3.8295 - acc: 0.7812 - auroc: 0.44 - ETA: 19:42 - loss: 3.6814 - acc: 0.7886 - auroc: 0.
45 - ETA: 19:57 - loss: 3.5542 - acc: 0.7949 - auroc: 0.46 - ETA: 20:18 - loss: 3.4449 - acc: 0.80
04 - auroc: 0.47 - ETA: 20:39 - loss: 3.3555 - acc: 0.8052 - auroc: 0.47 - ETA: 20:59 - loss: 3.27
77 - acc: 0.8092 - auroc: 0.48 - ETA: 21:21 - loss: 3.2123 - acc: 0.8131 - auroc: 0.48 - ETA: 21:3
8 - loss: 3.1629 - acc: 0.8132 - auroc: 0.49 - ETA: 21:57 - loss: 3.1139 - acc: 0.8154 - auroc: 0.
49 - ETA: 22:14 - loss: 3.0758 - acc: 0.8147 - auroc: 0.49 - ETA: 22:31 - loss: 3.0378 - acc: 0.81
49 - auroc: 0.49 - ETA: 22:45 - loss: 3.0014 - acc: 0.8165 - auroc: 0.50 - ETA: 23:01 - loss: 2.96
64 - acc: 0.8182 - auroc: 0.50 - ETA: 23:15 - loss: 2.9334 - acc: 0.8199 - auroc: 0.50 - ETA: 23:3
0 - loss: 2.9010 - acc: 0.8221 - auroc: 0.51 - ETA: 23:44 - loss: 2.8719 - acc: 0.8231 - auroc: 0.
51 - ETA: 23:58 - loss: 2.8434 - acc: 0.8246 - auroc: 0.51 - ETA: 24:12 - loss: 2.8176 - acc: 0.82
48 - auroc: 0.51 - ETA: 24:23 - loss: 2.7903 - acc: 0.8261 - auroc: 0.51 - ETA: 24:35 - loss: 2.76
48 - acc: 0.8267 - auroc: 0.51 - ETA: 24:45 - loss: 2.7406 - acc: 0.8273 - auroc: 0.51 - ETA: 24:5
6 - loss: 2.7163 - acc: 0.8283 - auroc: 0.51 - ETA: 25:04 - loss: 2.6920 - acc: 0.8299 - auroc: 0.
51 - ETA: 25:11 - loss: 2.6696 - acc: 0.8303 - auroc: 0.51 - ETA: 25:19 - loss: 2.6482 - acc: 0.83
06 - auroc: 0.51 - ETA: 25:25 - loss: 2.6283 - acc: 0.8308 - auroc: 0.51 - ETA: 25:31 - loss: 2.60
99 - acc: 0.8307 - auroc: 0.51 - ETA: 25:35 - loss: 2.5899 - acc: 0.8315 - auroc: 0.51 - ETA: 25:3
9 - loss: 2.5711 - acc: 0.8318 - auroc: 0.52 - ETA: 25:41 - loss: 2.5555 - acc: 0.8308 - auroc: 0.
52 - ETA: 25:43 - loss: 2.5365 - acc: 0.8322 - auroc: 0.52 - ETA: 25:43 - loss: 2.5194 - acc: 0.83
26 - auroc: 0.52 - ETA: 25:44 - loss: 2.5024 - acc: 0.8331 - auroc: 0.52 - ETA: 25:45 - loss: 2.48
63 - acc: 0.8333 - auroc: 0.52 - ETA: 25:44 - loss: 2.4691 - acc: 0.8343 - auroc: 0.52 - ETA: 25:4
2 - loss: 2.4535 - acc: 0.8349 - auroc: 0.52 - ETA: 25:40 - loss: 2.4392 - acc: 0.8351 - auroc: 0.
52 - ETA: 25:37 - loss: 2.4234 - acc: 0.8358 - auroc: 0.52 - ETA: 25:34 - loss: 2.4087 - acc: 0.83
61 - auroc: 0.52 - ETA: 25:30 - loss: 2.3941 - acc: 0.8366 - auroc: 0.52 - ETA: 25:25 - loss: 2.37
96 - acc: 0.8371 - auroc: 0.52 - ETA: 25:20 - loss: 2.3653 - acc: 0.8377 - auroc: 0.53 - ETA: 25:1
3 - loss: 2.3522 - acc: 0.8377 - auroc: 0.53 - ETA: 25:07 - loss: 2.3390 - acc: 0.8378 - auroc: 0.
53 - ETA: 25:01 - loss: 2.3252 - acc: 0.8383 - auroc: 0.53 - ETA: 24:54 - loss: 2.3121 - acc: 0.83
85 - auroc: 0.53 - ETA: 24:46 - loss: 2.2995 - acc: 0.8388 - auroc: 0.53 - ETA: 24:38 - loss: 2.28
82 - acc: 0.8383 - auroc: 0.53 - ETA: 24:30 - loss: 2.2767 - acc: 0.8384 - auroc: 0.53 - ETA: 24:2
2 - loss: 2.2647 - acc: 0.8387 - auroc: 0.53 - ETA: 24:13 - loss: 2.2530 - acc: 0.8387 - auroc: 0.
53 - ETA: 24:04 - loss: 2.2414 - acc: 0.8389 - auroc: 0.53 - ETA: 23:55 - loss: 2.2304 - acc: 0.83
89 - auroc: 0.53 - ETA: 23:45 - loss: 2.2191 - acc: 0.8394 - auroc: 0.53 - ETA: 23:35 - loss: 2.20
82 - acc: 0.8394 - auroc: 0.53 - ETA: 23:24 - loss: 2.1970 - acc: 0.8398 - auroc: 0.53 - ETA: 23:1
3 - loss: 2.1865 - acc: 0.8400 - auroc: 0.53 - ETA: 23:02 - loss: 2.1766 - acc: 0.8396 - auroc: 0.
54 - ETA: 22:52 - loss: 2.1662 - acc: 0.8398 - auroc: 0.54 - ETA: 22:40 - loss: 2.1560 - acc: 0.83
99 - auroc: 0.54 - ETA: 22:28 - loss: 2.1462 - acc: 0.8398 - auroc: 0.54 - ETA: 22:16 - loss: 2.13
59 - acc: 0.8400 - auroc: 0.54 - ETA: 22:04 - loss: 2.1258 - acc: 0.8402 - auroc: 0.54 - ETA: 21:5
1 - loss: 2.1156 - acc: 0.8405 - auroc: 0.54 - ETA: 21:37 - loss: 2.1061 - acc: 0.8406 - auroc: 0.
54 - ETA: 21:24 - loss: 2.0969 - acc: 0.8405 - auroc: 0.54 - ETA: 21:10 - loss: 2.0872 - acc: 0.84
```

08 - auroc: 0.54 - ETA: 20:56 - loss: 2.0785 - acc: 0.8405 - auroc: 0.54 - ETA: 20:42 - loss: 2.06
93 - acc: 0.8406 - auroc: 0.54 - ETA: 20:27 - loss: 2.0603 - acc: 0.8407 - auroc: 0.54 - ETA: 20:1
3 - loss: 2.0517 - acc: 0.8407 - auroc: 0.54 - ETA: 19:57 - loss: 2.0426 - acc: 0.8409 - auroc: 0.
54 - ETA: 19:42 - loss: 2.0340 - acc: 0.8410 - auroc: 0.54 - ETA: 19:27 - loss: 2.0258 - acc: 0.84
09 - auroc: 0.54 - ETA: 19:10 - loss: 2.0173 - acc: 0.8410 - auroc: 0.54 - ETA: 18:54 - loss: 2.00
87 - acc: 0.8411 - auroc: 0.55 - ETA: 18:38 - loss: 2.0001 - acc: 0.8414 - auroc: 0.55 - ETA: 18:2
3 - loss: 1.9921 - acc: 0.8413 - auroc: 0.55 - ETA: 18:07 - loss: 1.9836 - acc: 0.8416 - auroc: 0.
55 - ETA: 17:51 - loss: 1.9758 - acc: 0.8415 - auroc: 0.55 - ETA: 17:34 - loss: 1.9673 - acc: 0.84
18 - auroc: 0.55 - ETA: 17:18 - loss: 1.9596 - acc: 0.8419 - auroc: 0.55 - ETA: 17:08 - loss: 1.95
16 - acc: 0.8421 - auroc: 0.55 - ETA: 16:51 - loss: 1.9437 - acc: 0.8423 - auroc: 0.55 - ETA: 16:3
3 - loss: 1.9363 - acc: 0.8422 - auroc: 0.55 - ETA: 16:15 - loss: 1.9290 - acc: 0.8422 - auroc: 0.
55 - ETA: 15:57 - loss: 1.9217 - acc: 0.8422 - auroc: 0.55 - ETA: 15:39 - loss: 1.9143 - acc: 0.84
23 - auroc: 0.55 - ETA: 15:20 - loss: 1.9071 - acc: 0.8423 - auroc: 0.55 - ETA: 15:02 - loss: 1.89
96 - acc: 0.8424 - auroc: 0.55 - ETA: 14:43 - loss: 1.8926 - acc: 0.8424 - auroc: 0.55 - ETA: 14:2
4 - loss: 1.8854 - acc: 0.8425 - auroc: 0.55 - ETA: 14:05 - loss: 1.8788 - acc: 0.8423 - auroc: 0.
55 - ETA: 13:45 - loss: 1.8718 - acc: 0.8423 - auroc: 0.55 - ETA: 13:26 - loss: 1.8649 - acc: 0.84
23 - auroc: 0.55 - ETA: 13:06 - loss: 1.8580 - acc: 0.8423 - auroc: 0.55 - ETA: 12:46 - loss: 1.85
10 - acc: 0.8424 - auroc: 0.55 - ETA: 12:26 - loss: 1.8443 - acc: 0.8424 - auroc: 0.55 - ETA: 12:0
6 - loss: 1.8369 - acc: 0.8428 - auroc: 0.55 - ETA: 11:45 - loss: 1.8301 - acc: 0.8429 - auroc: 0.
55 - ETA: 11:24 - loss: 1.8235 - acc: 0.8430 - auroc: 0.55 - ETA: 11:03 - loss: 1.8168 - acc: 0.84
31 - auroc: 0.55 - ETA: 10:42 - loss: 1.8105 - acc: 0.8430 - auroc: 0.55 - ETA: 10:21 - loss: 1.80
39 - acc: 0.8431 - auroc: 0.55 - ETA: 9:59 - loss: 1.7974 - acc: 0.8432 - auroc: 0.5572 - ETA: 9:3
8 - loss: 1.7910 - acc: 0.8433 - auroc: 0.557 - ETA: 9:16 - loss: 1.7848 - acc: 0.8433 - auroc: 0.
557 - ETA: 8:54 - loss: 1.7783 - acc: 0.8435 - auroc: 0.557 - ETA: 8:32 - loss: 1.7723 - acc: 0.84
36 - auroc: 0.557 - ETA: 8:10 - loss: 1.7660 - acc: 0.8437 - auroc: 0.558 - ETA: 7:48 - loss: 1.76
02 - acc: 0.8436 - auroc: 0.558 - ETA: 7:26 - loss: 1.7543 - acc: 0.8436 - auroc: 0.557 - ETA: 7:0
3 - loss: 1.7485 - acc: 0.8435 - auroc: 0.558 - ETA: 6:40 - loss: 1.7426 - acc: 0.8435 - auroc: 0.
558 - ETA: 6:17 - loss: 1.7366 - acc: 0.8435 - auroc: 0.559 - ETA: 5:53 - loss: 1.7307 - acc: 0.84
36 - auroc: 0.559 - ETA: 5:30 - loss: 1.7245 - acc: 0.8438 - auroc: 0.559 - ETA: 5:06 - loss: 1.71
90 - acc: 0.8439 - auroc: 0.559 - ETA: 4:43 - loss: 1.7135 - acc: 0.8438 - auroc: 0.559 - ETA: 4:1
9 - loss: 1.7076 - acc: 0.8440 - auroc: 0.559 - ETA: 3:55 - loss: 1.7017 - acc: 0.8440 - auroc: 0.
560 - ETA: 3:31 - loss: 1.6964 - acc: 0.8439 - auroc: 0.561 - ETA: 3:06 - loss: 1.6910 - acc: 0.84
38 - auroc: 0.561 - ETA: 2:42 - loss: 1.6857 - acc: 0.8438 - auroc: 0.560 - ETA: 2:17 - loss: 1.68
00 - acc: 0.8439 - auroc: 0.561 - ETA: 1:52 - loss: 1.6749 - acc: 0.8438 - auroc: 0.560 - ETA: 1:2
7 - loss: 1.6699 - acc: 0.8436 - auroc: 0.561 - ETA: 1:02 - loss: 1.6647 - acc: 0.8435 - auroc: 0.
561 - ETA: 38s - loss: 1.6592 - acc: 0.8437 - auroc: 0.562 - ETA: 13s - loss: 1.6537 - acc: 0.8438
- auroc: 0.56 - 3433s 49ms/step - loss: 1.6510 - acc: 0.8437 - auroc: 0.5628 - val_loss: 0.9261 -
val_acc: 0.8486 - val_auroc: 0.6299
Epoch 2/15
69918/69918 [==============================] - ETA: 39:55 - loss: 0.9261 - acc: 0.8535 - auroc: 0.
57 - ETA: 39:05 - loss: 0.9286 - acc: 0.8486 - auroc: 0.59 - ETA: 38:27 - loss: 0.9252 - acc: 0.84
70 - auroc: 0.60 - ETA: 37:59 - loss: 0.9206 - acc: 0.8472 - auroc: 0.60 - ETA: 37:35 - loss: 0.91
83 - acc: 0.8469 - auroc: 0.61 - ETA: 37:10 - loss: 0.9153 - acc: 0.8473 - auroc: 0.61 - ETA: 36:5
4 - loss: 0.9177 - acc: 0.8454 - auroc: 0.60 - ETA: 36:35 - loss: 0.9140 - acc: 0.8472 - auroc: 0.
60 - ETA: 36:17 - loss: 0.9121 - acc: 0.8470 - auroc: 0.60 - ETA: 35:59 - loss: 0.9100 - acc: 0.84
75 - auroc: 0.59 - ETA: 35:44 - loss: 0.9039 - acc: 0.8501 - auroc: 0.59 - ETA: 35:30 - loss: 0.90
26 - acc: 0.8494 - auroc: 0.59 - ETA: 35:16 - loss: 0.9020 - acc: 0.8484 - auroc: 0.59 - ETA: 35:0
1 - loss: 0.9008 - acc: 0.8481 - auroc: 0.59 - ETA: 34:49 - loss: 0.8993 - acc: 0.8478 - auroc: 0.
59 - ETA: 34:34 - loss: 0.8950 - acc: 0.8490 - auroc: 0.59 - ETA: 34:25 - loss: 0.8948 - acc: 0.84
73 - auroc: 0.59 - ETA: 34:10 - loss: 0.8925 - acc: 0.8471 - auroc: 0.59 - ETA: 33:56 - loss: 0.89
07 - acc: 0.8467 - auroc: 0.60 - ETA: 33:40 - loss: 0.8901 - acc: 0.8461 - auroc: 0.59 - ETA: 33:2
5 - loss: 0.8875 - acc: 0.8463 - auroc: 0.59 - ETA: 33:09 - loss: 0.8849 - acc: 0.8465 - auroc: 0.
59 - ETA: 32:53 - loss: 0.8834 - acc: 0.8460 - auroc: 0.59 - ETA: 32:39 - loss: 0.8816 - acc: 0.84
59 - auroc: 0.59 - ETA: 32:24 - loss: 0.8801 - acc: 0.8452 - auroc: 0.60 - ETA: 32:08 - loss: 0.87
59 - acc: 0.8462 - auroc: 0.60 - ETA: 31:52 - loss: 0.8734 - acc: 0.8462 - auroc: 0.60 - ETA: 31:3
5 - loss: 0.8700 - acc: 0.8470 - auroc: 0.60 - ETA: 31:18 - loss: 0.8705 - acc: 0.8463 - auroc: 0.
60 - ETA: 31:04 - loss: 0.8686 - acc: 0.8460 - auroc: 0.60 - ETA: 30:50 - loss: 0.8651 - acc: 0.84
70 - auroc: 0.60 - ETA: 30:36 - loss: 0.8629 - acc: 0.8474 - auroc: 0.60 - ETA: 30:21 - loss: 0.86
05 - acc: 0.8477 - auroc: 0.60 - ETA: 30:08 - loss: 0.8570 - acc: 0.8485 - auroc: 0.60 - ETA: 29:5
3 - loss: 0.8541 - acc: 0.8491 - auroc: 0.60 - ETA: 29:38 - loss: 0.8547 - acc: 0.8482 - auroc: 0.
59 - ETA: 29:22 - loss: 0.8534 - acc: 0.8479 - auroc: 0.59 - ETA: 29:07 - loss: 0.8513 - acc: 0.84
80 - auroc: 0.59 - ETA: 28:51 - loss: 0.8499 - acc: 0.8477 - auroc: 0.59 - ETA: 28:35 - loss: 0.84
76 - acc: 0.8483 - auroc: 0.59 - ETA: 28:18 - loss: 0.8468 - acc: 0.8477 - auroc: 0.59 - ETA: 28:0
2 - loss: 0.8453 - acc: 0.8473 - auroc: 0.59 - ETA: 27:46 - loss: 0.8439 - acc: 0.8470 - auroc: 0.
59 - ETA: 27:29 - loss: 0.8411 - acc: 0.8475 - auroc: 0.59 - ETA: 27:13 - loss: 0.8396 - acc: 0.84
73 - auroc: 0.59 - ETA: 26:58 - loss: 0.8384 - acc: 0.8470 - auroc: 0.59 - ETA: 26:41 - loss: 0.83
62 - acc: 0.8472 - auroc: 0.59 - ETA: 26:25 - loss: 0.8345 - acc: 0.8471 - auroc: 0.59 - ETA: 26:0
9 - loss: 0.8329 - acc: 0.8470 - auroc: 0.59 - ETA: 25:52 - loss: 0.8308 - acc: 0.8472 - auroc: 0.
59 - ETA: 25:36 - loss: 0.8289 - acc: 0.8473 - auroc: 0.59 - ETA: 25:19 - loss: 0.8276 - acc: 0.84
70 - auroc: 0.59 - ETA: 25:02 - loss: 0.8255 - acc: 0.8473 - auroc: 0.59 - ETA: 24:46 - loss: 0.82
39 - acc: 0.8471 - auroc: 0.59 - ETA: 24:29 - loss: 0.8229 - acc: 0.8469 - auroc: 0.59 - ETA: 24:1
2 - loss: 0.8208 - acc: 0.8470 - auroc: 0.59 - ETA: 23:56 - loss: 0.8191 - acc: 0.8469 - auroc: 0.
59 - ETA: 23:39 - loss: 0.8175 - acc: 0.8468 - auroc: 0.59 - ETA: 23:22 - loss: 0.8159 - acc: 0.84
67 - auroc: 0.59 - ETA: 23:04 - loss: 0.8132 - acc: 0.8472 - auroc: 0.59 - ETA: 22:47 - loss: 0.81
14 - acc: 0.8473 - auroc: 0.59 - ETA: 22:29 - loss: 0.8094 - acc: 0.8474 - auroc: 0.59 - ETA: 22:1
1 - loss: 0.8080 - acc: 0.8473 - auroc: 0.59 - ETA: 21:54 - loss: 0.8056 - acc: 0.8476 - auroc: 0.
59 - ETA: 21:37 - loss: 0.8038 - acc: 0.8477 - auroc: 0.59 - ETA: 21:20 - loss: 0.8027 - acc: 0.84

```
59 - ETA: 21:37 - loss: 0.8038 - acc: 0.8477 - auroc: 0.59 - ETA: 21:20 - loss: 0.8027 - acc: 0.81
74 - auroc: 0.59 - ETA: 21:02 - loss: 0.8010 - acc: 0.8474 - auroc: 0.59 - ETA: 20:44 - loss: 0.79
93 - acc: 0.8474 - auroc: 0.59 - ETA: 20:27 - loss: 0.7978 - acc: 0.8473 - auroc: 0.59 - ETA: 20:0
9 - loss: 0.7962 - acc: 0.8472 - auroc: 0.59 - ETA: 19:51 - loss: 0.7943 - acc: 0.8474 - auroc: 0.
59 - ETA: 19:34 - loss: 0.7927 - acc: 0.8472 - auroc: 0.60 - ETA: 19:17 - loss: 0.7911 - acc: 0.84
72 - auroc: 0.60 - ETA: 19:00 - loss: 0.7894 - acc: 0.8473 - auroc: 0.60 - ETA: 18:42 - loss: 0.78
79 - acc: 0.8473 - auroc: 0.60 - ETA: 18:25 - loss: 0.7861 - acc: 0.8475 - auroc: 0.60 - ETA: 18:0
8 - loss: 0.7848 - acc: 0.8474 - auroc: 0.60 - ETA: 17:51 - loss: 0.7832 - acc: 0.8474 - auroc: 0.
60 - ETA: 17:33 - loss: 0.7817 - acc: 0.8473 - auroc: 0.60 - ETA: 17:16 - loss: 0.7802 - acc: 0.84
73 - auroc: 0.60 - ETA: 16:58 - loss: 0.7783 - acc: 0.8474 - auroc: 0.60 - ETA: 16:41 - loss: 0.77
67 - acc: 0.8474 - auroc: 0.60 - ETA: 16:23 - loss: 0.7756 - acc: 0.8473 - auroc: 0.60 - ETA: 16:0
6 - loss: 0.7744 - acc: 0.8471 - auroc: 0.60 - ETA: 15:48 - loss: 0.7730 - acc: 0.8472 - auroc: 0.
60 - ETA: 15:30 - loss: 0.7716 - acc: 0.8472 - auroc: 0.60 - ETA: 15:13 - loss: 0.7707 - acc: 0.84
69 - auroc: 0.60 - ETA: 14:55 - loss: 0.7695 - acc: 0.8468 - auroc: 0.60 - ETA: 14:37 - loss: 0.76
76 - acc: 0.8472 - auroc: 0.60 - ETA: 14:19 - loss: 0.7668 - acc: 0.8468 - auroc: 0.60 - ETA: 14:0
1 - loss: 0.7651 - acc: 0.8469 - auroc: 0.60 - ETA: 13:44 - loss: 0.7633 - acc: 0.8472 - auroc: 0.
60 - ETA: 13:26 - loss: 0.7618 - acc: 0.8473 - auroc: 0.60 - ETA: 13:08 - loss: 0.7605 - acc: 0.84
72 - auroc: 0.60 - ETA: 12:50 - loss: 0.7592 - acc: 0.8472 - auroc: 0.60 - ETA: 12:32 - loss: 0.75
77 - acc: 0.8473 - auroc: 0.60 - ETA: 12:14 - loss: 0.7560 - acc: 0.8476 - auroc: 0.60 - ETA: 11:5
5 - loss: 0.7547 - acc: 0.8475 - auroc: 0.60 - ETA: 11:37 - loss: 0.7535 - acc: 0.8475 - auroc: 0.
60 - ETA: 11:19 - loss: 0.7523 - acc: 0.8475 - auroc: 0.60 - ETA: 11:01 - loss: 0.7511 - acc: 0.84
74 - auroc: 0.60 - ETA: 10:43 - loss: 0.7499 - acc: 0.8473 - auroc: 0.60 - ETA: 10:24 - loss: 0.74
85 - acc: 0.8474 - auroc: 0.60 - ETA: 10:06 - loss: 0.7473 - acc: 0.8473 - auroc: 0.60 - ETA: 9:47
- loss: 0.7460 - acc: 0.8473 - auroc: 0.6049 - ETA: 9:29 - loss: 0.7446 - acc: 0.8474 - auroc: 0.6
04 - ETA: 9:10 - loss: 0.7429 - acc: 0.8476 - auroc: 0.605 - ETA: 8:52 - loss: 0.7413 - acc: 0.847
8 - auroc: 0.605 - ETA: 8:34 - loss: 0.7398 - acc: 0.8480 - auroc: 0.605 - ETA: 8:15 - loss: 0.738
6 - acc: 0.8479 - auroc: 0.605 - ETA: 7:56 - loss: 0.7375 - acc: 0.8479 - auroc: 0.605 - ETA: 7:38
- loss: 0.7360 - acc: 0.8480 - auroc: 0.605 - ETA: 7:19 - loss: 0.7349 - acc: 0.8480 - auroc: 0.60
5 - ETA: 7:01 - loss: 0.7337 - acc: 0.8480 - auroc: 0.605 - ETA: 6:42 - loss: 0.7323 - acc: 0.8481
- auroc: 0.605 - ETA: 6:24 - loss: 0.7311 - acc: 0.8481 - auroc: 0.606 - ETA: 6:05 - loss: 0.7301
- acc: 0.8480 - auroc: 0.606 - ETA: 5:47 - loss: 0.7289 - acc: 0.8480 - auroc: 0.606 - ETA: 5:28 -
loss: 0.7277 - acc: 0.8479 - auroc: 0.607 - ETA: 5:09 - loss: 0.7269 - acc: 0.8477 - auroc: 0.607
- ETA: 4:51 - loss: 0.7253 - acc: 0.8479 - auroc: 0.608 - ETA: 4:32 - loss: 0.7241 - acc: 0.8479 -
auroc: 0.608 - ETA: 4:13 - loss: 0.7225 - acc: 0.8482 - auroc: 0.608 - ETA: 3:55 - loss: 0.7217 -
acc: 0.8480 - auroc: 0.608 - ETA: 3:36 - loss: 0.7202 - acc: 0.8482 - auroc: 0.608 - ETA: 3:17 - l
oss: 0.7188 - acc: 0.8483 - auroc: 0.608 - ETA: 2:59 - loss: 0.7177 - acc: 0.8483 - auroc: 0.609 -
ETA: 2:40 - loss: 0.7164 - acc: 0.8483 - auroc: 0.609 - ETA: 2:21 - loss: 0.7153 - acc: 0.8483 - a
uroc: 0.609 - ETA: 2:03 - loss: 0.7137 - acc: 0.8486 - auroc: 0.609 - ETA: 1:44 - loss: 0.7126 - a
cc: 0.8487 - auroc: 0.609 - ETA: 1:25 - loss: 0.7118 - acc: 0.8486 - auroc: 0.609 - ETA: 1:06 - lo
ss: 0.7105 - acc: 0.8487 - auroc: 0.610 - ETA: 48s - loss: 0.7095 - acc: 0.8486 - auroc: 0.610 - E
TA: 29s - loss: 0.7081 - acc: 0.8488 - auroc: 0.61 - ETA: 10s - loss: 0.7073 - acc: 0.8487 - auroc
: 0.61 - 2694s 39ms/step - loss: 0.7068 - acc: 0.8486 - auroc: 0.6106 - val_loss: 0.5591 - val_acc
: 0.8486 - val_auroc: 0.6436
Epoch 3/15
69918/69918 [==============================] - ETA: 44:14 - loss: 0.5258 - acc: 0.8691 - auroc: 0.
64 - ETA: 46:19 - loss: 0.5496 - acc: 0.8525 - auroc: 0.65 - ETA: 46:07 - loss: 0.5429 - acc: 0.85
68 - auroc: 0.64 - ETA: 47:45 - loss: 0.5493 - acc: 0.8540 - auroc: 0.63 - ETA: 47:38 - loss: 0.54
76 - acc: 0.8539 - auroc: 0.64 - ETA: 46:48 - loss: 0.5483 - acc: 0.8529 - auroc: 0.64 - ETA: 45:5
3 - loss: 0.5525 - acc: 0.8499 - auroc: 0.64 - ETA: 45:25 - loss: 0.5535 - acc: 0.8479 - auroc: 0.
65 - ETA: 45:15 - loss: 0.5519 - acc: 0.8483 - auroc: 0.65 - ETA: 44:53 - loss: 0.5500 - acc: 0.84
90 - auroc: 0.65 - ETA: 44:44 - loss: 0.5510 - acc: 0.8487 - auroc: 0.65 - ETA: 44:50 - loss: 0.55
09 - acc: 0.8483 - auroc: 0.65 - ETA: 44:56 - loss: 0.5545 - acc: 0.8459 - auroc: 0.65 - ETA: 44:4
4 - loss: 0.5532 - acc: 0.8463 - auroc: 0.65 - ETA: 44:24 - loss: 0.5523 - acc: 0.8464 - auroc: 0.
65 - ETA: 44:04 - loss: 0.5503 - acc: 0.8473 - auroc: 0.64 - ETA: 44:06 - loss: 0.5485 - acc: 0.84
81 - auroc: 0.64 - ETA: 43:35 - loss: 0.5494 - acc: 0.8470 - auroc: 0.65 - ETA: 42:59 - loss: 0.55
04 - acc: 0.8464 - auroc: 0.64 - ETA: 42:24 - loss: 0.5492 - acc: 0.8468 - auroc: 0.64 - ETA: 41:4
9 - loss: 0.5497 - acc: 0.8465 - auroc: 0.64 - ETA: 41:18 - loss: 0.5477 - acc: 0.8475 - auroc: 0.
64 - ETA: 40:47 - loss: 0.5467 - acc: 0.8481 - auroc: 0.64 - ETA: 40:17 - loss: 0.5469 - acc: 0.84
81 - auroc: 0.63 - ETA: 39:50 - loss: 0.5477 - acc: 0.8474 - auroc: 0.63 - ETA: 39:20 - loss: 0.54
79 - acc: 0.8469 - auroc: 0.64 - ETA: 38:52 - loss: 0.5476 - acc: 0.8466 - auroc: 0.64 - ETA: 38:2
4 - loss: 0.5482 - acc: 0.8461 - auroc: 0.64 - ETA: 37:57 - loss: 0.5459 - acc: 0.8472 - auroc: 0.
64 - ETA: 37:31 - loss: 0.5456 - acc: 0.8473 - auroc: 0.63 - ETA: 37:05 - loss: 0.5449 - acc: 0.84
77 - auroc: 0.63 - ETA: 36:39 - loss: 0.5430 - acc: 0.8486 - auroc: 0.63 - ETA: 36:13 - loss: 0.54
43 - acc: 0.8475 - auroc: 0.63 - ETA: 35:48 - loss: 0.5431 - acc: 0.8479 - auroc: 0.63 - ETA: 35:2
3 - loss: 0.5420 - acc: 0.8484 - auroc: 0.63 - ETA: 34:58 - loss: 0.5412 - acc: 0.8486 - auroc: 0.
63 - ETA: 34:33 - loss: 0.5408 - acc: 0.8486 - auroc: 0.63 - ETA: 34:10 - loss: 0.5406 - acc: 0.84
85 - auroc: 0.63 - ETA: 33:46 - loss: 0.5408 - acc: 0.8481 - auroc: 0.63 - ETA: 33:22 - loss: 0.54
03 - acc: 0.8481 - auroc: 0.63 - ETA: 33:00 - loss: 0.5389 - acc: 0.8487 - auroc: 0.63 - ETA: 32:3
7 - loss: 0.5380 - acc: 0.8489 - auroc: 0.63 - ETA: 32:14 - loss: 0.5383 - acc: 0.8486 - auroc: 0.
63 - ETA: 31:51 - loss: 0.5389 - acc: 0.8479 - auroc: 0.63 - ETA: 31:29 - loss: 0.5386 - acc: 0.84
78 - auroc: 0.63 - ETA: 31:06 - loss: 0.5384 - acc: 0.8477 - auroc: 0.63 - ETA: 30:44 - loss: 0.53
81 - acc: 0.8477 - auroc: 0.63 - ETA: 30:21 - loss: 0.5369 - acc: 0.8480 - auroc: 0.63 - ETA: 29:5
9 - loss: 0.5364 - acc: 0.8481 - auroc: 0.63 - ETA: 29:36 - loss: 0.5359 - acc: 0.8481 - auroc: 0.
63 - ETA: 29:14 - loss: 0.5355 - acc: 0.8483 - auroc: 0.63 - ETA: 28:52 - loss: 0.5361 - acc: 0.84
77 - auroc: 0.63 - ETA: 28:30 - loss: 0.5355 - acc: 0.8478 - auroc: 0.63 - ETA: 28:09 - loss: 0.53
53 - acc: 0.8476 - auroc: 0.63 - ETA: 27:48 - loss: 0.5349 - acc: 0.8476 - auroc: 0.63 - ETA: 27:2
8 - loss: 0.5353 - acc: 0.8471 - auroc: 0.63 - ETA: 27:06 - loss: 0.5343 - acc: 0.8476 - auroc: 0.
63 - ETA: 26:45 - loss: 0.5344 - acc: 0.8474 - auroc: 0.62 - ETA: 26:24 - loss: 0.5343 - acc: 0.84
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05 - ETA: 26:45 - loss: 0.5344 - acc: 0.8474 - auroc: 0.62 - ETA: 26:24 - loss: 0.5345 - acc: 0.84
71 - auroc: 0.62 - ETA: 26:02 - loss: 0.5336 - acc: 0.8473 - auroc: 0.62 - ETA: 25:41 - loss: 0.53
31 - acc: 0.8474 - auroc: 0.62 - ETA: 25:20 - loss: 0.5322 - acc: 0.8477 - auroc: 0.62 - ETA: 24:5
9 - loss: 0.5318 - acc: 0.8476 - auroc: 0.63 - ETA: 24:38 - loss: 0.5314 - acc: 0.8475 - auroc: 0.
63 - ETA: 24:17 - loss: 0.5305 - acc: 0.8478 - auroc: 0.63 - ETA: 23:56 - loss: 0.5301 - acc: 0.84
78 - auroc: 0.63 - ETA: 23:35 - loss: 0.5303 - acc: 0.8475 - auroc: 0.63 - ETA: 23:14 - loss: 0.52
94 - acc: 0.8479 - auroc: 0.63 - ETA: 22:54 - loss: 0.5292 - acc: 0.8478 - auroc: 0.63 - ETA: 22:3
3 - loss: 0.5281 - acc: 0.8482 - auroc: 0.63 - ETA: 22:13 - loss: 0.5279 - acc: 0.8482 - auroc: 0.
63 - ETA: 21:52 - loss: 0.5271 - acc: 0.8485 - auroc: 0.62 - ETA: 21:32 - loss: 0.5264 - acc: 0.84
87 - auroc: 0.62 - ETA: 21:11 - loss: 0.5265 - acc: 0.8484 - auroc: 0.62 - ETA: 20:51 - loss: 0.52
57 - acc: 0.8488 - auroc: 0.62 - ETA: 20:30 - loss: 0.5258 - acc: 0.8485 - auroc: 0.62 - ETA: 20:1
0 - loss: 0.5244 - acc: 0.8491 - auroc: 0.62 - ETA: 19:49 - loss: 0.5242 - acc: 0.8491 - auroc: 0.
62 - ETA: 19:29 - loss: 0.5243 - acc: 0.8488 - auroc: 0.62 - ETA: 19:08 - loss: 0.5244 - acc: 0.84
85 - auroc: 0.62 - ETA: 18:47 - loss: 0.5236 - acc: 0.8487 - auroc: 0.62 - ETA: 18:27 - loss: 0.52
32 - acc: 0.8487 - auroc: 0.62 - ETA: 18:06 - loss: 0.5227 - acc: 0.8488 - auroc: 0.62 - ETA: 17:4
5 - loss: 0.5221 - acc: 0.8490 - auroc: 0.62 - ETA: 17:25 - loss: 0.5213 - acc: 0.8492 - auroc: 0.
62 - ETA: 17:04 - loss: 0.5214 - acc: 0.8490 - auroc: 0.62 - ETA: 16:44 - loss: 0.5208 - acc: 0.84
91 - auroc: 0.62 - ETA: 16:24 - loss: 0.5204 - acc: 0.8491 - auroc: 0.62 - ETA: 16:03 - loss: 0.52
01 - acc: 0.8491 - auroc: 0.62 - ETA: 15:43 - loss: 0.5195 - acc: 0.8492 - auroc: 0.62 - ETA: 15:2
2 - loss: 0.5192 - acc: 0.8491 - auroc: 0.62 - ETA: 15:02 - loss: 0.5187 - acc: 0.8492 - auroc: 0.
62 - ETA: 14:41 - loss: 0.5184 - acc: 0.8491 - auroc: 0.62 - ETA: 14:21 - loss: 0.5181 - acc: 0.84
91 - auroc: 0.62 - ETA: 14:00 - loss: 0.5177 - acc: 0.8491 - auroc: 0.62 - ETA: 13:40 - loss: 0.51
77 - acc: 0.8490 - auroc: 0.62 - ETA: 13:19 - loss: 0.5172 - acc: 0.8490 - auroc: 0.62 - ETA: 12:5
9 - loss: 0.5166 - acc: 0.8492 - auroc: 0.62 - ETA: 12:39 - loss: 0.5160 - acc: 0.8493 - auroc: 0.
62 - ETA: 12:18 - loss: 0.5153 - acc: 0.8496 - auroc: 0.62 - ETA: 11:58 - loss: 0.5151 - acc: 0.84
94 - auroc: 0.62 - ETA: 11:38 - loss: 0.5146 - acc: 0.8495 - auroc: 0.62 - ETA: 11:17 - loss: 0.51
40 - acc: 0.8497 - auroc: 0.62 - ETA: 10:57 - loss: 0.5140 - acc: 0.8495 - auroc: 0.62 - ETA: 10:3
7 - loss: 0.5138 - acc: 0.8494 - auroc: 0.62 - ETA: 10:17 - loss: 0.5135 - acc: 0.8494 - auroc: 0.
62 - ETA: 9:56 - loss: 0.5131 - acc: 0.8495 - auroc: 0.6275 - ETA: 9:36 - loss: 0.5135 - acc: 0.84
91 - auroc: 0.627 - ETA: 9:16 - loss: 0.5133 - acc: 0.8491 - auroc: 0.626 - ETA: 8:55 - loss: 0.51
35 - acc: 0.8488 - auroc: 0.626 - ETA: 8:35 - loss: 0.5132 - acc: 0.8488 - auroc: 0.626 - ETA: 8:1
5 - loss: 0.5126 - acc: 0.8490 - auroc: 0.627 - ETA: 7:55 - loss: 0.5123 - acc: 0.8490 - auroc: 0.
627 - ETA: 7:35 - loss: 0.5119 - acc: 0.8490 - auroc: 0.627 - ETA: 7:14 - loss: 0.5118 - acc: 0.84
89 - auroc: 0.627 - ETA: 6:54 - loss: 0.5114 - acc: 0.8490 - auroc: 0.627 - ETA: 6:34 - loss: 0.51
08 - acc: 0.8491 - auroc: 0.627 - ETA: 6:14 - loss: 0.5103 - acc: 0.8492 - auroc: 0.627 - ETA: 5:5
4 - loss: 0.5099 - acc: 0.8493 - auroc: 0.628 - ETA: 5:33 - loss: 0.5093 - acc: 0.8494 - auroc: 0.
628 - ETA: 5:13 - loss: 0.5092 - acc: 0.8494 - auroc: 0.627 - ETA: 4:53 - loss: 0.5087 - acc: 0.84
95 - auroc: 0.627 - ETA: 4:33 - loss: 0.5083 - acc: 0.8495 - auroc: 0.628 - ETA: 4:14 - loss: 0.50
80 - acc: 0.8495 - auroc: 0.628 - ETA: 3:55 - loss: 0.5077 - acc: 0.8495 - auroc: 0.628 - ETA: 3:3
6 - loss: 0.5077 - acc: 0.8493 - auroc: 0.628 - ETA: 3:17 - loss: 0.5074 - acc: 0.8493 - auroc: 0.
628 - ETA: 2:57 - loss: 0.5072 - acc: 0.8492 - auroc: 0.628 - ETA: 2:37 - loss: 0.5071 - acc: 0.84
91 - auroc: 0.628 - ETA: 2:17 - loss: 0.5070 - acc: 0.8490 - auroc: 0.628 - ETA: 1:57 - loss: 0.50
67 - acc: 0.8489 - auroc: 0.629 - ETA: 1:36 - loss: 0.5060 - acc: 0.8492 - auroc: 0.629 - ETA: 1:1
5 - loss: 0.5059 - acc: 0.8490 - auroc: 0.629 - ETA: 54s - loss: 0.5058 - acc: 0.8490 - auroc: 0.6
29 - ETA: 33s - loss: 0.5057 - acc: 0.8489 - auroc: 0.62 - ETA: 12s - loss: 0.5054 - acc: 0.8488 -
auroc: 0.62 - 3165s 45ms/step - loss: 0.5057 - acc: 0.8486 - auroc: 0.6289 - val_loss: 0.4679 - va
l_acc: 0.8486 - val_auroc: 0.6308
Epoch 4/15
69918/69918 [==============================] - ETA: 1:41:03 - loss: 0.5006 - acc: 0.8242 - auroc:
0.65 - ETA: 1:34:36 - loss: 0.4939 - acc: 0.8291 - auroc: 0.65 - ETA: 1:29:18 - loss: 0.4881 - acc
: 0.8346 - auroc: 0.63 - ETA: 1:26:18 - loss: 0.4873 - acc: 0.8364 - auroc: 0.62 - ETA: 1:24:42 -
loss: 0.4830 - acc: 0.8387 - auroc: 0.63 - ETA: 1:23:22 - loss: 0.4766 - acc: 0.8418 - auroc: 0.64
- ETA: 1:22:10 - loss: 0.4704 - acc: 0.8454 - auroc: 0.64 - ETA: 1:21:02 - loss: 0.4714 - acc: 0.8
455 - auroc: 0.63 - ETA: 1:20:06 - loss: 0.4701 - acc: 0.8459 - auroc: 0.63 - ETA: 1:19:19 - loss:
0.4656 - acc: 0.8482 - auroc: 0.64 - ETA: 1:18:33 - loss: 0.4707 - acc: 0.8461 - auroc: 0.63 - ETA
: 1:17:48 - loss: 0.4692 - acc: 0.8468 - auroc: 0.63 - ETA: 1:16:59 - loss: 0.4693 - acc: 0.8474 -
auroc: 0.63 - ETA: 1:16:11 - loss: 0.4701 - acc: 0.8468 - auroc: 0.63 - ETA: 1:15:25 - loss: 0.468
5 - acc: 0.8475 - auroc: 0.63 - ETA: 1:14:42 - loss: 0.4696 - acc: 0.8470 - auroc: 0.63 - ETA: 1:1
4:03 - loss: 0.4681 - acc: 0.8480 - auroc: 0.63 - ETA: 1:13:20 - loss: 0.4666 - acc: 0.8487 - auro
c: 0.63 - ETA: 1:12:41 - loss: 0.4667 - acc: 0.8487 - auroc: 0.62 - ETA: 1:12:06 - loss: 0.4656 -
acc: 0.8493 - auroc: 0.62 - ETA: 1:11:23 - loss: 0.4679 - acc: 0.8480 - auroc: 0.62 - ETA: 1:10:49
- loss: 0.4716 - acc: 0.8460 - auroc: 0.62 - ETA: 1:10:10 - loss: 0.4712 - acc: 0.8461 - auroc: 0.
62 - ETA: 1:09:31 - loss: 0.4700 - acc: 0.8465 - auroc: 0.62 - ETA: 1:08:56 - loss: 0.4688 - acc:
0.8471 - auroc: 0.62 - ETA: 1:08:17 - loss: 0.4695 - acc: 0.8464 - auroc: 0.62 - ETA: 1:07:39 - lo
ss: 0.4688 - acc: 0.8466 - auroc: 0.62 - ETA: 1:07:01 - loss: 0.4692 - acc: 0.8463 - auroc: 0.62 -
ETA: 1:06:23 - loss: 0.4686 - acc: 0.8464 - auroc: 0.62 - ETA: 1:05:44 - loss: 0.4679 - acc: 0.846
7 - auroc: 0.63 - ETA: 1:05:04 - loss: 0.4698 - acc: 0.8456 - auroc: 0.62 - ETA: 1:04:28 - loss: 0
.4686 - acc: 0.8461 - auroc: 0.63 - ETA: 1:03:50 - loss: 0.4686 - acc: 0.8461 - auroc: 0.62 - ETA:
1:03:11 - loss: 0.4692 - acc: 0.8456 - auroc: 0.62 - ETA: 1:02:33 - loss: 0.4690 - acc: 0.8456 - a
uroc: 0.62 - ETA: 1:01:54 - loss: 0.4678 - acc: 0.8462 - auroc: 0.62 - ETA: 1:01:16 - loss: 0.4664
- acc: 0.8469 - auroc: 0.63 - ETA: 1:00:37 - loss: 0.4668 - acc: 0.8466 - auroc: 0.62 - ETA: 1:00:
00 - loss: 0.4666 - acc: 0.8466 - auroc: 0.62 - ETA: 59:22 - loss: 0.4664 - acc: 0.8466 - auroc: 0
.6290 - ETA: 58:44 - loss: 0.4642 - acc: 0.8477 - auroc: 0.63 - ETA: 58:07 - loss: 0.4637 - acc: 0
.8478 - auroc: 0.63 - ETA: 57:30 - loss: 0.4631 - acc: 0.8482 - auroc: 0.62 - ETA: 56:54 - loss: 0
.4637 - acc: 0.8478 - auroc: 0.62 - ETA: 56:17 - loss: 0.4628 - acc: 0.8481 - auroc: 0.63 - ETA: 5
5:40 - loss: 0.4621 - acc: 0.8485 - auroc: 0.62 - ETA: 55:03 - loss: 0.4627 - acc: 0.8482 - auroc:
0.62 - ETA: 54:25 - loss: 0.4635 - acc: 0.8475 - auroc: 0.62 - ETA: 53:48 - loss: 0.4620 - acc: 0.
8485 - auroc: 0.62 - ETA: 53:10 - loss: 0.4631 - acc: 0.8475 - auroc: 0.62 - ETA: 52:33 - loss: 0.

8485 - auroc: 0.62 - ETA: 53:10 - loss: 0.4631 - acc: 0.8475 - auroc: 0.62 - ETA: 52:33 - loss: 0.
4628 - acc: 0.8477 - auroc: 0.63 - ETA: 51:56 - loss: 0.4615 - acc: 0.8483 - auroc: 0.63 - ETA: 51
:19 - loss: 0.4611 - acc: 0.8485 - auroc: 0.63 - ETA: 50:41 - loss: 0.4606 - acc: 0.8487 - auroc:
0.63 - ETA: 50:04 - loss: 0.4605 - acc: 0.8487 - auroc: 0.63 - ETA: 49:27 - loss: 0.4605 - acc: 0.
8487 - auroc: 0.62 - ETA: 48:51 - loss: 0.4600 - acc: 0.8489 - auroc: 0.62 - ETA: 48:13 - loss: 0.
4599 - acc: 0.8488 - auroc: 0.63 - ETA: 47:35 - loss: 0.4591 - acc: 0.8492 - auroc: 0.63 - ETA: 46
:57 - loss: 0.4592 - acc: 0.8491 - auroc: 0.62 - ETA: 46:19 - loss: 0.4593 - acc: 0.8489 - auroc:
0.63 - ETA: 45:41 - loss: 0.4593 - acc: 0.8488 - auroc: 0.63 - ETA: 45:03 - loss: 0.4590 - acc: 0.
8488 - auroc: 0.63 - ETA: 44:24 - loss: 0.4585 - acc: 0.8492 - auroc: 0.62 - ETA: 43:46 - loss: 0.
4587 - acc: 0.8489 - auroc: 0.63 - ETA: 43:08 - loss: 0.4588 - acc: 0.8488 - auroc: 0.63 - ETA: 42
:30 - loss: 0.4587 - acc: 0.8488 - auroc: 0.63 - ETA: 41:51 - loss: 0.4583 - acc: 0.8490 - auroc:
0.62 - ETA: 41:14 - loss: 0.4581 - acc: 0.8490 - auroc: 0.63 - ETA: 40:37 - loss: 0.4579 - acc: 0.
8490 - auroc: 0.63 - ETA: 39:59 - loss: 0.4577 - acc: 0.8491 - auroc: 0.63 - ETA: 39:21 - loss: 0.
4577 - acc: 0.8491 - auroc: 0.62 - ETA: 38:44 - loss: 0.4574 - acc: 0.8493 - auroc: 0.62 - ETA: 38
:07 - loss: 0.4569 - acc: 0.8495 - auroc: 0.62 - ETA: 37:29 - loss: 0.4573 - acc: 0.8491 - auroc:
0.62 - ETA: 36:52 - loss: 0.4569 - acc: 0.8493 - auroc: 0.62 - ETA: 36:14 - loss: 0.4567 - acc: 0.
8494 - auroc: 0.62 - ETA: 35:37 - loss: 0.4567 - acc: 0.8493 - auroc: 0.62 - ETA: 35:00 - loss: 0.
4572 - acc: 0.8489 - auroc: 0.62 - ETA: 34:26 - loss: 0.4571 - acc: 0.8489 - auroc: 0.62 - ETA: 33
:54 - loss: 0.4570 - acc: 0.8489 - auroc: 0.63 - ETA: 33:17 - loss: 0.4574 - acc: 0.8486 - auroc:
0.63 - ETA: 32:42 - loss: 0.4568 - acc: 0.8488 - auroc: 0.63 - ETA: 32:06 - loss: 0.4568 - acc: 0.
8487 - auroc: 0.63 - ETA: 31:30 - loss: 0.4567 - acc: 0.8488 - auroc: 0.63 - ETA: 30:53 - loss: 0.
4568 - acc: 0.8487 - auroc: 0.63 - ETA: 30:17 - loss: 0.4567 - acc: 0.8487 - auroc: 0.63 - ETA: 29
:41 - loss: 0.4563 - acc: 0.8489 - auroc: 0.63 - ETA: 29:07 - loss: 0.4565 - acc: 0.8486 - auroc:
0.63 - ETA: 28:31 - loss: 0.4569 - acc: 0.8483 - auroc: 0.63 - ETA: 27:55 - loss: 0.4567 - acc: 0.
8484 - auroc: 0.63 - ETA: 27:18 - loss: 0.4566 - acc: 0.8484 - auroc: 0.63 - ETA: 26:42 - loss: 0.
4564 - acc: 0.8484 - auroc: 0.63 - ETA: 26:05 - loss: 0.4565 - acc: 0.8483 - auroc: 0.63 - ETA: 25
:28 - loss: 0.4564 - acc: 0.8483 - auroc: 0.63 - ETA: 24:51 - loss: 0.4563 - acc: 0.8483 - auroc:
0.63 - ETA: 24:13 - loss: 0.4562 - acc: 0.8482 - auroc: 0.63 - ETA: 23:36 - loss: 0.4554 - acc: 0.
8485 - auroc: 0.63 - ETA: 22:59 - loss: 0.4553 - acc: 0.8485 - auroc: 0.63 - ETA: 22:22 - loss: 0.
4549 - acc: 0.8487 - auroc: 0.63 - ETA: 21:44 - loss: 0.4549 - acc: 0.8486 - auroc: 0.63 - ETA: 21
:07 - loss: 0.4546 - acc: 0.8487 - auroc: 0.63 - ETA: 20:30 - loss: 0.4543 - acc: 0.8488 - auroc:
0.63 - ETA: 19:53 - loss: 0.4544 - acc: 0.8487 - auroc: 0.63 - ETA: 19:16 - loss: 0.4544 - acc: 0.
8486 - auroc: 0.63 - ETA: 18:40 - loss: 0.4539 - acc: 0.8489 - auroc: 0.63 - ETA: 18:02 - loss: 0.
4536 - acc: 0.8490 - auroc: 0.63 - ETA: 17:26 - loss: 0.4534 - acc: 0.8491 - auroc: 0.63 - ETA: 16
:49 - loss: 0.4534 - acc: 0.8490 - auroc: 0.63 - ETA: 16:12 - loss: 0.4532 - acc: 0.8490 - auroc:
0.63 - ETA: 15:35 - loss: 0.4532 - acc: 0.8490 - auroc: 0.63 - ETA: 14:58 - loss: 0.4531 - acc: 0.
8491 - auroc: 0.63 - ETA: 14:21 - loss: 0.4527 - acc: 0.8493 - auroc: 0.63 - ETA: 13:44 - loss: 0.
4528 - acc: 0.8492 - auroc: 0.63 - ETA: 13:08 - loss: 0.4534 - acc: 0.8488 - auroc: 0.63 - ETA: 12
:31 - loss: 0.4533 - acc: 0.8488 - auroc: 0.63 - ETA: 11:54 - loss: 0.4534 - acc: 0.8487 - auroc:
0.63 - ETA: 11:18 - loss: 0.4534 - acc: 0.8486 - auroc: 0.63 - ETA: 10:41 - loss: 0.4534 - acc: 0.
8486 - auroc: 0.63 - ETA: 10:04 - loss: 0.4532 - acc: 0.8487 - auroc: 0.63 - ETA: 9:28 - loss: 0.4
532 - acc: 0.8486 - auroc: 0.6313 - ETA: 8:51 - loss: 0.4531 - acc: 0.8486 - auroc: 0.631 - ETA: 8
:14 - loss: 0.4526 - acc: 0.8488 - auroc: 0.631 - ETA: 7:38 - loss: 0.4531 - acc: 0.8485 - auroc:
0.631 - ETA: 7:01 - loss: 0.4530 - acc: 0.8485 - auroc: 0.631 - ETA: 6:25 - loss: 0.4532 - acc: 0.
8484 - auroc: 0.631 - ETA: 5:48 - loss: 0.4534 - acc: 0.8482 - auroc: 0.630 - ETA: 5:12 - loss: 0.
4532 - acc: 0.8483 - auroc: 0.630 - ETA: 4:35 - loss: 0.4531 - acc: 0.8483 - auroc: 0.630 - ETA: 3
:59 - loss: 0.4530 - acc: 0.8483 - auroc: 0.630 - ETA: 3:22 - loss: 0.4528 - acc: 0.8484 - auroc:
0.630 - ETA: 2:46 - loss: 0.4528 - acc: 0.8484 - auroc: 0.630 - ETA: 2:09 - loss: 0.4528 - acc: 0.
8483 - auroc: 0.630 - ETA: 1:33 - loss: 0.4525 - acc: 0.8485 - auroc: 0.630 - ETA: 56s - loss: 0.4
523 - acc: 0.8485 - auroc: 0.630 - ETA: 20s - loss: 0.4523 - acc: 0.8485 - auroc: 0.63 - 5160s 74m
s/step - loss: 0.4521 - acc: 0.8486 - auroc: 0.6303 - val_loss: 0.4394 - val_acc: 0.8486 - val_aur
oc: 0.6487
Epoch 5/15
69918/69918 [==============================] - ETA: 1:19:32 - loss: 0.4116 - acc: 0.8672 - auroc:
0.60 - ETA: 1:19:25 - loss: 0.4369 - acc: 0.8506 - auroc: 0.63 - ETA: 1:19:07 - loss: 0.4507 - acc
: 0.8424 - auroc: 0.63 - ETA: 1:18:59 - loss: 0.4460 - acc: 0.8452 - auroc: 0.63 - ETA: 1:18:14 -
loss: 0.4442 - acc: 0.8457 - auroc: 0.63 - ETA: 1:17:41 - loss: 0.4451 - acc: 0.8441 - auroc: 0.64
- ETA: 1:16:55 - loss: 0.4456 - acc: 0.8435 - auroc: 0.64 - ETA: 1:16:20 - loss: 0.4393 - acc: 0.8
474 - auroc: 0.65 - ETA: 1:15:44 - loss: 0.4353 - acc: 0.8498 - auroc: 0.64 - ETA: 1:15:02 - loss:
0.4400 - acc: 0.8471 - auroc: 0.64 - ETA: 1:14:26 - loss: 0.4375 - acc: 0.8485 - auroc: 0.64 - ETA
: 1:13:47 - loss: 0.4390 - acc: 0.8485 - auroc: 0.63 - ETA: 1:13:17 - loss: 0.4402 - acc: 0.8475 -
auroc: 0.64 - ETA: 1:12:39 - loss: 0.4410 - acc: 0.8472 - auroc: 0.64 - ETA: 1:12:05 - loss: 0.441
0 - acc: 0.8475 - auroc: 0.63 - ETA: 1:11:33 - loss: 0.4393 - acc: 0.8488 - auroc: 0.63 - ETA: 1:1
0:55 - loss: 0.4382 - acc: 0.8494 - auroc: 0.63 - ETA: 1:10:20 - loss: 0.4387 - acc: 0.8492 - auro
c: 0.63 - ETA: 1:09:46 - loss: 0.4374 - acc: 0.8500 - auroc: 0.63 - ETA: 1:09:12 - loss: 0.4405 -
acc: 0.8482 - auroc: 0.63 - ETA: 1:08:37 - loss: 0.4397 - acc: 0.8486 - auroc: 0.63 - ETA: 1:08:02
- loss: 0.4388 - acc: 0.8489 - auroc: 0.63 - ETA: 1:07:27 - loss: 0.4374 - acc: 0.8496 - auroc: 0.
63 - ETA: 1:06:47 - loss: 0.4381 - acc: 0.8492 - auroc: 0.63 - ETA: 1:06:11 - loss: 0.4362 - acc:
0.8502 - auroc: 0.63 - ETA: 1:05:34 - loss: 0.4353 - acc: 0.8510 - auroc: 0.63 - ETA: 1:04:59 - lo
ss: 0.4352 - acc: 0.8511 - auroc: 0.63 - ETA: 1:04:24 - loss: 0.4346 - acc: 0.8516 - auroc: 0.63 -
ETA: 1:03:48 - loss: 0.4353 - acc: 0.8512 - auroc: 0.62 - ETA: 1:03:13 - loss: 0.4345 - acc: 0.851
7 - auroc: 0.63 - ETA: 1:02:37 - loss: 0.4346 - acc: 0.8517 - auroc: 0.62 - ETA: 1:02:02 - loss: 0
.4357 - acc: 0.8513 - auroc: 0.62 - ETA: 1:01:25 - loss: 0.4352 - acc: 0.8518 - auroc: 0.62 - ETA:
1:00:51 - loss: 0.4381 - acc: 0.8500 - auroc: 0.62 - ETA: 1:00:21 - loss: 0.4381 - acc: 0.8499 - a
uroc: 0.62 - ETA: 59:42 - loss: 0.4379 - acc: 0.8502 - auroc: 0.6230 - ETA: 59:05 - loss: 0.4378 -
acc: 0.8502 - auroc: 0.62 - ETA: 58:25 - loss: 0.4372 - acc: 0.8506 - auroc: 0.62 - ETA: 57:46 - l
oss: 0.4364 - acc: 0.8512 - auroc: 0.62 - ETA: 57:07 - loss: 0.4369 - acc: 0.8509 - auroc: 0.62 -
ETA: 56:30 - loss: 0.4371 - acc: 0.8507 - auroc: 0.62 - ETA: 55:53 - loss: 0.4368 - acc: 0.8509

ETA: 56:30 - loss: 0.4371 - acc: 0.8507 - auroc: 0.62 - ETA: 55:52 - loss: 0.4368 - acc: 0.8509 - auroc: 0.62 - ETA: 55:14 - loss: 0.4367 - acc: 0.8509 - auroc: 0.62 - ETA: 54:36 - loss: 0.4377 - acc: 0.8504 - auroc: 0.62 - ETA: 53:57 - loss: 0.4379 - acc: 0.8501 - auroc: 0.62 - ETA: 53:20 - loss: 0.4380 - acc: 0.8499 - auroc: 0.62 - ETA: 52:43 - loss: 0.4374 - acc: 0.8502 - auroc: 0.62 - ETA: 52:05 - loss: 0.4366 - acc: 0.8507 - auroc: 0.62 - ETA: 51:27 - loss: 0.4370 - acc: 0.8503 - auroc: 0.62 - ETA: 50:52 - loss: 0.4369 - acc: 0.8503 - auroc: 0.62 - ETA: 50:15 - loss: 0.4362 - acc: 0.8506 - auroc: 0.62 - ETA: 49:38 - loss: 0.4376 - acc: 0.8498 - auroc: 0.62 - ETA: 49:02 - loss: 0.4383 - acc: 0.8494 - auroc: 0.62 - ETA: 48:25 - loss: 0.4382 - acc: 0.8495 - auroc: 0.62 - ETA: 47:49 - loss: 0.4380 - acc: 0.8495 - auroc: 0.62 - ETA: 47:11 - loss: 0.4374 - acc: 0.8499 - auroc: 0.62 - ETA: 46:35 - loss: 0.4378 - acc: 0.8496 - auroc: 0.62 - ETA: 45:58 - loss: 0.4374 - acc: 0.8498 - auroc: 0.62 - ETA: 45:22 - loss: 0.4368 - acc: 0.8502 - auroc: 0.62 - ETA: 44:46 - loss: 0.4371 - acc: 0.8500 - auroc: 0.62 - ETA: 44:10 - loss: 0.4366 - acc: 0.8502 - auroc: 0.62 - ETA: 43:34 - loss: 0.4359 - acc: 0.8506 - auroc: 0.62 - ETA: 42:58 - loss: 0.4360 - acc: 0.8505 - auroc: 0.62 - ETA: 42:22 - loss: 0.4365 - acc: 0.8503 - auroc: 0.62 - ETA: 41:46 - loss: 0.4361 - acc: 0.8505 - auroc: 0.62 - ETA: 41:10 - loss: 0.4364 - acc: 0.8502 - auroc: 0.62 - ETA: 40:34 - loss: 0.4362 - acc: 0.8503 - auroc: 0.62 - ETA: 39:58 - loss: 0.4371 - acc: 0.8498 - auroc: 0.62 - ETA: 39:22 - loss: 0.4377 - acc: 0.8494 - auroc: 0.62 - ETA: 38:47 - loss: 0.4383 - acc: 0.8491 - auroc: 0.62 - ETA: 38:12 - loss: 0.4384 - acc: 0.8490 - auroc: 0.62 - ETA: 37:36 - loss: 0.4383 - acc: 0.8490 - auroc: 0.62 - ETA: 37:00 - loss: 0.4386 - acc: 0.8488 - auroc: 0.62 - ETA: 36:25 - loss: 0.4389 - acc: 0.8486 - auroc: 0.62 - ETA: 35:50 - loss: 0.4387 - acc: 0.8486 - auroc: 0.62 - ETA: 35:14 - loss: 0.4388 - acc: 0.8485 - auroc: 0.62 - ETA: 34:38 - loss: 0.4390 - acc: 0.8483 - auroc: 0.62 - ETA: 34:03 - loss: 0.4386 - acc: 0.8485 - auroc: 0.62 - ETA: 33:28 - loss: 0.4389 - acc: 0.8482 - auroc: 0.62 - ETA: 32:52 - loss: 0.4382 - acc: 0.8486 - auroc: 0.62 - ETA: 32:16 - loss: 0.4390 - acc: 0.8481 - auroc: 0.62 - ETA: 31:41 - loss: 0.4394 - acc: 0.8478 - auroc: 0.62 - ETA: 31:07 - loss: 0.4394 - acc: 0.8479 - auroc: 0.62 - ETA: 30:31 - loss: 0.4394 - acc: 0.8479 - auroc: 0.62 - ETA: 29:56 - loss: 0.4394 - acc: 0.8479 - auroc: 0.62 - ETA: 29:21 - loss: 0.4395 - acc: 0.8478 - auroc: 0.62 - ETA: 28:46 - loss: 0.4398 - acc: 0.8476 - auroc: 0.62 - ETA: 28:11 - loss: 0.4396 - acc: 0.8477 - auroc: 0.62 - ETA: 27:35 - loss: 0.4396 - acc: 0.8477 - auroc: 0.62 - ETA: 27:00 - loss: 0.4398 - acc: 0.8476 - auroc: 0.62 - ETA: 26:25 - loss: 0.4395 - acc: 0.8478 - auroc: 0.62 - ETA: 25:50 - loss: 0.4392 - acc: 0.8480 - auroc: 0.62 - ETA: 25:15 - loss: 0.4390 - acc: 0.8481 - auroc: 0.62 - ETA: 24:39 - loss: 0.4390 - acc: 0.8480 - auroc: 0.62 - ETA: 24:04 - loss: 0.4395 - acc: 0.8477 - auroc: 0.62 - ETA: 23:29 - loss: 0.4392 - acc: 0.8478 - auroc: 0.62 - ETA: 22:54 - loss: 0.4385 - acc: 0.8481 - auroc: 0.62 - ETA: 22:19 - loss: 0.4384 - acc: 0.8482 - auroc: 0.62 - ETA: 21:44 - loss: 0.4384 - acc: 0.8481 - auroc: 0.62 - ETA: 21:09 - loss: 0.4382 - acc: 0.8482 - auroc: 0.62 - ETA: 20:34 - loss: 0.4380 - acc: 0.8483 - auroc: 0.62 - ETA: 19:59 - loss: 0.4375 - acc: 0.8485 - auroc: 0.62 - ETA: 19:25 - loss: 0.4374 - acc: 0.8485 - auroc: 0.62 - ETA: 18:50 - loss: 0.4376 - acc: 0.8484 - auroc: 0.62 - ETA: 18:15 - loss: 0.4378 - acc: 0.8483 - auroc: 0.62 - ETA: 17:40 - loss: 0.4380 - acc: 0.8481 - auroc: 0.62 - ETA: 17:06 - loss: 0.4380 - acc: 0.8480 - auroc: 0.62 - ETA: 16:31 - loss: 0.4379 - acc: 0.8480 - auroc: 0.62 - ETA: 15:56 - loss: 0.4382 - acc: 0.8478 - auroc: 0.62 - ETA: 15:21 - loss: 0.4381 - acc: 0.8478 - auroc: 0.62 - ETA: 14:46 - loss: 0.4376 - acc: 0.8480 - auroc: 0.62 - ETA: 14:11 - loss: 0.4376 - acc: 0.8480 - auroc: 0.62 - ETA: 13:37 - loss: 0.4377 - acc: 0.8479 - auroc: 0.62 - ETA: 13:02 - loss: 0.4376 - acc: 0.8480 - auroc: 0.62 - ETA: 12:27 - loss: 0.4375 - acc: 0.8480 - auroc: 0.62 - ETA: 11:52 - loss: 0.4371 - acc: 0.8482 - auroc: 0.62 - ETA: 11:17 - loss: 0.4370 - acc: 0.8482 - auroc: 0.62 - ETA: 10:43 - loss: 0.4368 - acc: 0.8483 - auroc: 0.62 - ETA: 10:08 - loss: 0.4371 - acc: 0.8481 - auroc: 0.62 - ETA: 9:33 - loss: 0.4371 - acc: 0.8482 - auroc: 0.6284 - ETA: 8:58 - loss: 0.4368 - acc: 0.8483 - auroc: 0.628 - ETA: 8:24 - loss: 0.4368 - acc: 0.8483 - auroc: 0.629 - ETA: 7:49 - loss: 0.4367 - acc: 0.8483 - auroc: 0.629 - ETA: 7:14 - loss: 0.4367 - acc: 0.8483 - auroc: 0.628 - ETA: 6:40 - loss: 0.4366 - acc: 0.8483 - auroc: 0.629 - ETA: 6:05 - loss: 0.4362 - acc: 0.8485 - auroc: 0.629 - ETA: 5:30 - loss: 0.4360 - acc: 0.8486 - auroc: 0.629 - ETA: 4:56 - loss: 0.4358 - acc: 0.8487 - auroc: 0.629 - ETA: 4:21 - loss: 0.4360 - acc: 0.8486 - auroc: 0.629 - ETA: 3:46 - loss: 0.4362 - acc: 0.8484 - auroc: 0.629 - ETA: 3:12 - loss: 0.4365 - acc: 0.8483 - auroc: 0.629 - ETA: 2:37 - loss: 0.4362 - acc: 0.8484 - auroc: 0.629 - ETA: 2:03 - loss: 0.4362 - acc: 0.8484 - auroc: 0.629 - ETA: 1:28 - loss: 0.4359 - acc: 0.8486 - auroc: 0.629 - ETA: 53s - loss: 0.4360 - acc: 0.8486 - auroc: 0.629 - ETA: 19s - loss: 0.4360 - acc: 0.8485 - auroc: 0.62 - 4909s 70ms/step - loss: 0.4359 - acc: 0.8486 - auroc: 0.6295 - val_loss: 0.4278 - val_acc: 0.8486 - val_auroc: 0.6504
Epoch 6/15
69918/69918 [==============================] - ETA: 1:16:14 - loss: 0.4548 - acc: 0.8340 - auroc: 0.62 - ETA: 1:15:48 - loss: 0.4300 - acc: 0.8477 - auroc: 0.64 - ETA: 1:15:24 - loss: 0.4236 - acc: 0.8516 - auroc: 0.63 - ETA: 1:14:48 - loss: 0.4118 - acc: 0.8584 - auroc: 0.64 - ETA: 1:14:14 - loss: 0.4201 - acc: 0.8547 - auroc: 0.64 - ETA: 1:13:35 - loss: 0.4334 - acc: 0.8477 - auroc: 0.64 - ETA: 1:13:02 - loss: 0.4396 - acc: 0.8449 - auroc: 0.63 - ETA: 1:12:31 - loss: 0.4364 - acc: 0.8474 - auroc: 0.63 - ETA: 1:11:57 - loss: 0.4360 - acc: 0.8481 - auroc: 0.63 - ETA: 1:11:27 - loss: 0.4374 - acc: 0.8477 - auroc: 0.62 - ETA: 1:11:02 - loss: 0.4379 - acc: 0.8473 - auroc: 0.63 - ETA: 1:10:30 - loss: 0.4387 - acc: 0.8473 - auroc: 0.63 - ETA: 1:09:53 - loss: 0.4397 - acc: 0.8471 - auroc: 0.62 - ETA: 1:09:22 - loss: 0.4402 - acc: 0.8465 - auroc: 0.62 - ETA: 1:08:49 - loss: 0.4420 - acc: 0.8453 - auroc: 0.62 - ETA: 1:08:19 - loss: 0.4390 - acc: 0.8469 - auroc: 0.62 - ETA: 1:07:47 - loss: 0.4345 - acc: 0.8491 - auroc: 0.63 - ETA: 1:07:15 - loss: 0.4379 - acc: 0.8490 - auroc: 0.62 - ETA: 1:06:40 - loss: 0.4372 - acc: 0.8492 - auroc: 0.62 - ETA: 1:06:07 - loss: 0.4385 - acc: 0.8488 - auroc: 0.62 - ETA: 1:05:33 - loss: 0.4375 - acc: 0.8497 - auroc: 0.62 - ETA: 1:04:59 - loss: 0.4384 - acc: 0.8495 - auroc: 0.62 - ETA: 1:04:24 - loss: 0.4416 - acc: 0.8483 - auroc: 0.61 - ETA: 1:03:51 - loss: 0.4430 - acc: 0.8479 - auroc: 0.61 - ETA: 1:03:16 - loss: 0.4436 - acc: 0.8478 - auroc: 0.61 - ETA: 1:02:39 - loss: 0.4443 - acc: 0.8477 - auroc: 0.61 - ETA: 1:02:05 - loss: 0.4442 - acc: 0.8481 - auroc: 0.60 - ETA: 1:01:30 - loss: 0.4458 - acc: 0.8472 - auroc: 0.60 - ETA: 1:00:56 - loss: 0.4448 - acc: 0.8479 - auroc: 0.60 - ETA: 1:00:21 - loss: 0.4461 - acc: 0.8470 - auroc: 0.60 - ETA: 59:48 - loss: 0.4466 - acc: 0.8466 - auroc: 0.6070 - ETA: 59:16 - loss: 0.4454 - acc: 0.8474 - auroc: 0.60 - ETA: 58:43 - loss: 0.4444 - acc: 0.8480 - auroc: 0.60 - ETA: 58:

454 - acc: 0.8474 - auroc: 0.60 - ETA: 58:42 - loss: 0.4444 - acc: 0.8480 - auroc: 0.60 - ETA: 58:
08 - loss: 0.4447 - acc: 0.8477 - auroc: 0.60 - ETA: 57:34 - loss: 0.4466 - acc: 0.8465 - auroc: 0
.60 - ETA: 57:00 - loss: 0.4450 - acc: 0.8474 - auroc: 0.60 - ETA: 56:26 - loss: 0.4442 - acc: 0.8
478 - auroc: 0.60 - ETA: 55:53 - loss: 0.4445 - acc: 0.8475 - auroc: 0.60 - ETA: 55:25 - loss: 0.4
450 - acc: 0.8471 - auroc: 0.60 - ETA: 55:02 - loss: 0.4447 - acc: 0.8471 - auroc: 0.60 - ETA: 54:
37 - loss: 0.4448 - acc: 0.8469 - auroc: 0.60 - ETA: 54:13 - loss: 0.4451 - acc: 0.8467 - auroc: 0
.60 - ETA: 53:48 - loss: 0.4453 - acc: 0.8464 - auroc: 0.60 - ETA: 53:22 - loss: 0.4451 - acc: 0.8
464 - auroc: 0.60 - ETA: 52:55 - loss: 0.4448 - acc: 0.8464 - auroc: 0.60 - ETA: 52:28 - loss: 0.4
435 - acc: 0.8471 - auroc: 0.61 - ETA: 52:00 - loss: 0.4428 - acc: 0.8474 - auroc: 0.61 - ETA: 51:
32 - loss: 0.4419 - acc: 0.8478 - auroc: 0.61 - ETA: 51:03 - loss: 0.4420 - acc: 0.8476 - auroc: 0
.61 - ETA: 50:33 - loss: 0.4411 - acc: 0.8481 - auroc: 0.61 - ETA: 50:04 - loss: 0.4405 - acc: 0.8
483 - auroc: 0.61 - ETA: 49:34 - loss: 0.4412 - acc: 0.8478 - auroc: 0.61 - ETA: 49:04 - loss: 0.4
413 - acc: 0.8477 - auroc: 0.61 - ETA: 48:34 - loss: 0.4401 - acc: 0.8483 - auroc: 0.61 - ETA: 48:
05 - loss: 0.4398 - acc: 0.8484 - auroc: 0.61 - ETA: 47:34 - loss: 0.4402 - acc: 0.8480 - auroc: 0
.61 - ETA: 47:03 - loss: 0.4409 - acc: 0.8475 - auroc: 0.61 - ETA: 46:31 - loss: 0.4408 - acc: 0.8
474 - auroc: 0.61 - ETA: 45:59 - loss: 0.4406 - acc: 0.8475 - auroc: 0.61 - ETA: 45:28 - loss: 0.4
401 - acc: 0.8477 - auroc: 0.61 - ETA: 44:56 - loss: 0.4401 - acc: 0.8476 - auroc: 0.61 - ETA: 44:
24 - loss: 0.4399 - acc: 0.8476 - auroc: 0.61 - ETA: 43:51 - loss: 0.4402 - acc: 0.8473 - auroc: 0
.61 - ETA: 43:18 - loss: 0.4401 - acc: 0.8473 - auroc: 0.61 - ETA: 42:45 - loss: 0.4398 - acc: 0.8
474 - auroc: 0.61 - ETA: 42:12 - loss: 0.4398 - acc: 0.8473 - auroc: 0.61 - ETA: 41:38 - loss: 0.4
398 - acc: 0.8472 - auroc: 0.61 - ETA: 41:06 - loss: 0.4398 - acc: 0.8472 - auroc: 0.61 - ETA: 40:
32 - loss: 0.4396 - acc: 0.8472 - auroc: 0.61 - ETA: 39:58 - loss: 0.4399 - acc: 0.8470 - auroc: 0
.61 - ETA: 39:25 - loss: 0.4394 - acc: 0.8472 - auroc: 0.61 - ETA: 38:51 - loss: 0.4397 - acc: 0.8
470 - auroc: 0.61 - ETA: 38:17 - loss: 0.4394 - acc: 0.8470 - auroc: 0.61 - ETA: 37:43 - loss: 0.4
393 - acc: 0.8470 - auroc: 0.61 - ETA: 37:09 - loss: 0.4388 - acc: 0.8472 - auroc: 0.61 - ETA: 36:
34 - loss: 0.4384 - acc: 0.8473 - auroc: 0.61 - ETA: 36:00 - loss: 0.4386 - acc: 0.8472 - auroc: 0
.61 - ETA: 35:25 - loss: 0.4383 - acc: 0.8474 - auroc: 0.61 - ETA: 34:50 - loss: 0.4377 - acc: 0.8
477 - auroc: 0.61 - ETA: 34:15 - loss: 0.4372 - acc: 0.8479 - auroc: 0.61 - ETA: 33:40 - loss: 0.4
369 - acc: 0.8480 - auroc: 0.61 - ETA: 33:05 - loss: 0.4364 - acc: 0.8482 - auroc: 0.61 - ETA: 32:
30 - loss: 0.4368 - acc: 0.8479 - auroc: 0.61 - ETA: 31:55 - loss: 0.4370 - acc: 0.8477 - auroc: 0
.61 - ETA: 31:20 - loss: 0.4371 - acc: 0.8477 - auroc: 0.61 - ETA: 30:44 - loss: 0.4372 - acc: 0.8
475 - auroc: 0.61 - ETA: 30:09 - loss: 0.4369 - acc: 0.8477 - auroc: 0.61 - ETA: 29:34 - loss: 0.4
361 - acc: 0.8482 - auroc: 0.61 - ETA: 28:58 - loss: 0.4362 - acc: 0.8481 - auroc: 0.61 - ETA: 28:
23 - loss: 0.4364 - acc: 0.8479 - auroc: 0.61 - ETA: 27:47 - loss: 0.4362 - acc: 0.8479 - auroc: 0
.61 - ETA: 27:11 - loss: 0.4362 - acc: 0.8479 - auroc: 0.61 - ETA: 26:36 - loss: 0.4363 - acc: 0.8
478 - auroc: 0.61 - ETA: 26:00 - loss: 0.4363 - acc: 0.8478 - auroc: 0.61 - ETA: 25:24 - loss: 0.4
361 - acc: 0.8478 - auroc: 0.61 - ETA: 24:48 - loss: 0.4362 - acc: 0.8477 - auroc: 0.61 - ETA: 24:
12 - loss: 0.4362 - acc: 0.8477 - auroc: 0.61 - ETA: 23:35 - loss: 0.4364 - acc: 0.8476 - auroc: 0
.61 - ETA: 22:57 - loss: 0.4362 - acc: 0.8477 - auroc: 0.61 - ETA: 22:19 - loss: 0.4357 - acc: 0.8
479 - auroc: 0.61 - ETA: 21:42 - loss: 0.4355 - acc: 0.8480 - auroc: 0.61 - ETA: 21:04 - loss: 0.4
360 - acc: 0.8477 - auroc: 0.61 - ETA: 20:27 - loss: 0.4358 - acc: 0.8478 - auroc: 0.61 - ETA: 19:
50 - loss: 0.4356 - acc: 0.8478 - auroc: 0.61 - ETA: 19:13 - loss: 0.4355 - acc: 0.8479 - auroc: 0
.61 - ETA: 18:35 - loss: 0.4355 - acc: 0.8479 - auroc: 0.61 - ETA: 17:58 - loss: 0.4353 - acc: 0.8
479 - auroc: 0.61 - ETA: 17:21 - loss: 0.4354 - acc: 0.8479 - auroc: 0.61 - ETA: 16:44 - loss: 0.4
355 - acc: 0.8477 - auroc: 0.61 - ETA: 16:07 - loss: 0.4349 - acc: 0.8481 - auroc: 0.61 - ETA: 15:
30 - loss: 0.4346 - acc: 0.8482 - auroc: 0.61 - ETA: 14:53 - loss: 0.4346 - acc: 0.8481 - auroc: 0
.61 - ETA: 14:16 - loss: 0.4342 - acc: 0.8483 - auroc: 0.61 - ETA: 13:40 - loss: 0.4343 - acc: 0.8
482 - auroc: 0.61 - ETA: 13:03 - loss: 0.4342 - acc: 0.8483 - auroc: 0.61 - ETA: 12:26 - loss: 0.4
343 - acc: 0.8482 - auroc: 0.61 - ETA: 11:50 - loss: 0.4340 - acc: 0.8484 - auroc: 0.61 - ETA: 11:
13 - loss: 0.4340 - acc: 0.8484 - auroc: 0.61 - ETA: 10:36 - loss: 0.4336 - acc: 0.8486 - auroc: 0
.61 - ETA: 10:00 - loss: 0.4334 - acc: 0.8487 - auroc: 0.61 - ETA: 9:23 - loss: 0.4331 - acc: 0.84
88 - auroc: 0.6194 - ETA: 8:47 - loss: 0.4329 - acc: 0.8489 - auroc: 0.618 - ETA: 8:10 - loss: 0.4
331 - acc: 0.8488 - auroc: 0.619 - ETA: 7:34 - loss: 0.4330 - acc: 0.8489 - auroc: 0.618 - ETA: 6:
57 - loss: 0.4328 - acc: 0.8490 - auroc: 0.618 - ETA: 6:21 - loss: 0.4327 - acc: 0.8490 - auroc: 0
.618 - ETA: 5:45 - loss: 0.4329 - acc: 0.8488 - auroc: 0.618 - ETA: 5:09 - loss: 0.4330 - acc: 0.8
488 - auroc: 0.618 - ETA: 4:32 - loss: 0.4328 - acc: 0.8489 - auroc: 0.618 - ETA: 3:56 - loss: 0.4
324 - acc: 0.8491 - auroc: 0.618 - ETA: 3:20 - loss: 0.4325 - acc: 0.8490 - auroc: 0.618 - ETA: 2:
44 - loss: 0.4324 - acc: 0.8490 - auroc: 0.619 - ETA: 2:08 - loss: 0.4330 - acc: 0.8486 - auroc: 0
.619 - ETA: 1:32 - loss: 0.4333 - acc: 0.8484 - auroc: 0.619 - ETA: 56s - loss: 0.4332 - acc: 0.84
84 - auroc: 0.619 - ETA: 20s - loss: 0.4330 - acc: 0.8485 - auroc: 0.61 - 5098s 73ms/step - loss:
0.4329 - acc: 0.8486 - auroc: 0.6199 - val_loss: 0.4243 - val_acc: 0.8486 - val_auroc: 0.6471
Epoch 7/15
69918/69918 [==============================] - ETA: 1:16:36 - loss: 0.3947 - acc: 0.8652 - auroc:
0.64 - ETA: 1:15:44 - loss: 0.4289 - acc: 0.8457 - auroc: 0.64 - ETA: 1:15:32 - loss: 0.4306 - acc
: 0.8457 - auroc: 0.63 - ETA: 1:15:00 - loss: 0.4331 - acc: 0.8447 - auroc: 0.63 - ETA: 1:14:27 -
loss: 0.4270 - acc: 0.8480 - auroc: 0.63 - ETA: 1:13:52 - loss: 0.4327 - acc: 0.8438 - auroc: 0.64
- ETA: 1:13:15 - loss: 0.4318 - acc: 0.8438 - auroc: 0.64 - ETA: 1:12:42 - loss: 0.4304 - acc: 0.8
450 - auroc: 0.64 - ETA: 1:12:08 - loss: 0.4280 - acc: 0.8470 - auroc: 0.63 - ETA: 1:08:16 - loss:
0.4297 - acc: 0.8461 - auroc: 0.63 - ETA: 1:05:06 - loss: 0.4270 - acc: 0.8475 - auroc: 0.63 - ETA
: 1:02:24 - loss: 0.4282 - acc: 0.8467 - auroc: 0.63 - ETA: 1:00:05 - loss: 0.4287 - acc: 0.8463 -
auroc: 0.63 - ETA: 58:06 - loss: 0.4293 - acc: 0.8464 - auroc: 0.6352 - ETA: 56:18 - loss: 0.4292
- acc: 0.8471 - auroc: 0.62 - ETA: 54:42 - loss: 0.4281 - acc: 0.8478 - auroc: 0.62 - ETA: 53:12 -
loss: 0.4268 - acc: 0.8483 - auroc: 0.63 - ETA: 51:51 - loss: 0.4270 - acc: 0.8479 - auroc: 0.63 -
ETA: 50:38 - loss: 0.4264 - acc: 0.8484 - auroc: 0.63 - ETA: 49:30 - loss: 0.4268 - acc: 0.8481 -
auroc: 0.63 - ETA: 48:28 - loss: 0.4254 - acc: 0.8490 - auroc: 0.63 - ETA: 47:27 - loss: 0.4280 -
acc: 0.8474 - auroc: 0.63 - ETA: 46:31 - loss: 0.4289 - acc: 0.8470 - auroc: 0.63 - ETA: 45:39 - l
oss: 0.4319 - acc: 0.8459 - auroc: 0.62 - ETA: 44:48 - loss: 0.4318 - acc: 0.8459 - auroc: 0.62 -
ETA: 44:01 - loss: 0.4321 - acc: 0.8458 - auroc: 0.62 - ETA: 43:16 - loss: 0.4321 - acc: 0.8451

ETA: 44:01 - loss: 0.4321 - acc: 0.8458 - auroc: 0.62 - ETA: 43:16 - loss: 0.4331 - acc: 0.8451 - auroc: 0.62 - ETA: 42:33 - loss: 0.4335 - acc: 0.8449 - auroc: 0.63 - ETA: 41:52 - loss: 0.4333 - acc: 0.8450 - auroc: 0.63 - ETA: 41:11 - loss: 0.4337 - acc: 0.8449 - auroc: 0.63 - ETA: 40:32 - loss: 0.4340 - acc: 0.8449 - auroc: 0.62 - ETA: 39:55 - loss: 0.4349 - acc: 0.8444 - auroc: 0.62 - ETA: 39:20 - loss: 0.4348 - acc: 0.8445 - auroc: 0.62 - ETA: 38:45 - loss: 0.4346 - acc: 0.8446 - auroc: 0.62 - ETA: 38:10 - loss: 0.4333 - acc: 0.8455 - auroc: 0.62 - ETA: 37:37 - loss: 0.4343 - acc: 0.8449 - auroc: 0.62 - ETA: 37:04 - loss: 0.4351 - acc: 0.8444 - auroc: 0.62 - ETA: 36:31 - loss: 0.4360 - acc: 0.8441 - auroc: 0.62 - ETA: 36:00 - loss: 0.4370 - acc: 0.8434 - auroc: 0.62 - ETA: 35:31 - loss: 0.4358 - acc: 0.8443 - auroc: 0.62 - ETA: 35:01 - loss: 0.4356 - acc: 0.8444 - auroc: 0.62 - ETA: 34:31 - loss: 0.4361 - acc: 0.8442 - auroc: 0.62 - ETA: 34:02 - loss: 0.4369 - acc: 0.8437 - auroc: 0.62 - ETA: 33:34 - loss: 0.4373 - acc: 0.8434 - auroc: 0.62 - ETA: 33:05 - loss: 0.4370 - acc: 0.8435 - auroc: 0.62 - ETA: 32:37 - loss: 0.4364 - acc: 0.8438 - auroc: 0.62 - ETA: 32:09 - loss: 0.4367 - acc: 0.8436 - auroc: 0.62 - ETA: 31:42 - loss: 0.4373 - acc: 0.8433 - auroc: 0.62 - ETA: 31:17 - loss: 0.4358 - acc: 0.8441 - auroc: 0.62 - ETA: 30:50 - loss: 0.4353 - acc: 0.8445 - auroc: 0.62 - ETA: 30:24 - loss: 0.4351 - acc: 0.8445 - auroc: 0.62 - ETA: 29:58 - loss: 0.4337 - acc: 0.8453 - auroc: 0.62 - ETA: 29:33 - loss: 0.4339 - acc: 0.8452 - auroc: 0.62 - ETA: 29:08 - loss: 0.4336 - acc: 0.8453 - auroc: 0.62 - ETA: 28:43 - loss: 0.4338 - acc: 0.8451 - auroc: 0.62 - ETA: 28:19 - loss: 0.4335 - acc: 0.8454 - auroc: 0.62 - ETA: 27:54 - loss: 0.4332 - acc: 0.8454 - auroc: 0.62 - ETA: 27:30 - loss: 0.4326 - acc: 0.8457 - auroc: 0.62 - ETA: 27:06 - loss: 0.4331 - acc: 0.8454 - auroc: 0.62 - ETA: 26:42 - loss: 0.4327 - acc: 0.8456 - auroc: 0.62 - ETA: 26:18 - loss: 0.4329 - acc: 0.8454 - auroc: 0.62 - ETA: 25:54 - loss: 0.4329 - acc: 0.8455 - auroc: 0.62 - ETA: 25:30 - loss: 0.4324 - acc: 0.8457 - auroc: 0.62 - ETA: 25:07 - loss: 0.4320 - acc: 0.8458 - auroc: 0.62 - ETA: 24:44 - loss: 0.4323 - acc: 0.8456 - auroc: 0.62 - ETA: 24:21 - loss: 0.4320 - acc: 0.8458 - auroc: 0.62 - ETA: 23:59 - loss: 0.4318 - acc: 0.8459 - auroc: 0.62 - ETA: 23:36 - loss: 0.4317 - acc: 0.8458 - auroc: 0.63 - ETA: 23:13 - loss: 0.4321 - acc: 0.8455 - auroc: 0.63 - ETA: 22:51 - loss: 0.4322 - acc: 0.8455 - auroc: 0.63 - ETA: 22:28 - loss: 0.4319 - acc: 0.8456 - auroc: 0.63 - ETA: 22:06 - loss: 0.4318 - acc: 0.8457 - auroc: 0.63 - ETA: 21:44 - loss: 0.4312 - acc: 0.8461 - auroc: 0.63 - ETA: 21:22 - loss: 0.4310 - acc: 0.8462 - auroc: 0.62 - ETA: 21:00 - loss: 0.4309 - acc: 0.8463 - auroc: 0.63 - ETA: 20:38 - loss: 0.4300 - acc: 0.8467 - auroc: 0.63 - ETA: 20:16 - loss: 0.4303 - acc: 0.8465 - auroc: 0.63 - ETA: 19:54 - loss: 0.4304 - acc: 0.8465 - auroc: 0.63 - ETA: 19:33 - loss: 0.4301 - acc: 0.8467 - auroc: 0.63 - ETA: 19:11 - loss: 0.4298 - acc: 0.8469 - auroc: 0.63 - ETA: 18:49 - loss: 0.4298 - acc: 0.8469 - auroc: 0.63 - ETA: 18:28 - loss: 0.4295 - acc: 0.8471 - auroc: 0.63 - ETA: 18:07 - loss: 0.4297 - acc: 0.8470 - auroc: 0.63 - ETA: 17:45 - loss: 0.4293 - acc: 0.8471 - auroc: 0.63 - ETA: 17:24 - loss: 0.4290 - acc: 0.8473 - auroc: 0.63 - ETA: 17:03 - loss: 0.4289 - acc: 0.8473 - auroc: 0.63 - ETA: 16:42 - loss: 0.4282 - acc: 0.8476 - auroc: 0.63 - ETA: 16:21 - loss: 0.4282 - acc: 0.8476 - auroc: 0.63 - ETA: 16:00 - loss: 0.4278 - acc: 0.8478 - auroc: 0.63 - ETA: 15:39 - loss: 0.4280 - acc: 0.8477 - auroc: 0.63 - ETA: 15:19 - loss: 0.4277 - acc: 0.8479 - auroc: 0.63 - ETA: 14:58 - loss: 0.4275 - acc: 0.8480 - auroc: 0.63 - ETA: 14:37 - loss: 0.4273 - acc: 0.8481 - auroc: 0.63 - ETA: 14:16 - loss: 0.4273 - acc: 0.8481 - auroc: 0.63 - ETA: 13:56 - loss: 0.4273 - acc: 0.8481 - auroc: 0.63 - ETA: 13:35 - loss: 0.4272 - acc: 0.8481 - auroc: 0.63 - ETA: 13:14 - loss: 0.4273 - acc: 0.8480 - auroc: 0.63 - ETA: 12:54 - loss: 0.4272 - acc: 0.8481 - auroc: 0.63 - ETA: 12:33 - loss: 0.4270 - acc: 0.8482 - auroc: 0.63 - ETA: 12:12 - loss: 0.4268 - acc: 0.8483 - auroc: 0.63 - ETA: 11:52 - loss: 0.4267 - acc: 0.8483 - auroc: 0.63 - ETA: 11:31 - loss: 0.4268 - acc: 0.8482 - auroc: 0.63 - ETA: 11:11 - loss: 0.4269 - acc: 0.8482 - auroc: 0.63 - ETA: 10:50 - loss: 0.4266 - acc: 0.8484 - auroc: 0.63 - ETA: 10:30 - loss: 0.4265 - acc: 0.8484 - auroc: 0.63 - ETA: 10:10 - loss: 0.4270 - acc: 0.8481 - auroc: 0.63 - ETA: 9:49 - loss: 0.4271 - acc: 0.8481 - auroc: 0.6336 - ETA: 9:29 - loss: 0.4271 - acc: 0.8481 - auroc: 0.633 - ETA: 9:09 - loss: 0.4272 - acc: 0.8481 - auroc: 0.633 - ETA: 8:49 - loss: 0.4276 - acc: 0.8479 - auroc: 0.633 - ETA: 8:28 - loss: 0.4274 - acc: 0.8480 - auroc: 0.633 - ETA: 8:08 - loss: 0.4269 - acc: 0.8483 - auroc: 0.633 - ETA: 7:48 - loss: 0.4265 - acc: 0.8486 - auroc: 0.632 - ETA: 7:28 - loss: 0.4264 - acc: 0.8487 - auroc: 0.632 - ETA: 7:08 - loss: 0.4263 - acc: 0.8487 - auroc: 0.632 - ETA: 6:48 - loss: 0.4263 - acc: 0.8488 - auroc: 0.631 - ETA: 6:28 - loss: 0.4266 - acc: 0.8486 - auroc: 0.632 - ETA: 6:08 - loss: 0.4265 - acc: 0.8486 - auroc: 0.631 - ETA: 5:48 - loss: 0.4268 - acc: 0.8484 - auroc: 0.632 - ETA: 5:28 - loss: 0.4269 - acc: 0.8484 - auroc: 0.631 - ETA: 5:08 - loss: 0.4267 - acc: 0.8486 - auroc: 0.631 - ETA: 4:48 - loss: 0.4272 - acc: 0.8483 - auroc: 0.631 - ETA: 4:28 - loss: 0.4271 - acc: 0.8484 - auroc: 0.631 - ETA: 4:08 - loss: 0.4272 - acc: 0.8483 - auroc: 0.631 - ETA: 3:48 - loss: 0.4272 - acc: 0.8483 - auroc: 0.631 - ETA: 3:28 - loss: 0.4269 - acc: 0.8485 - auroc: 0.631 - ETA: 3:08 - loss: 0.4270 - acc: 0.8485 - auroc: 0.631 - ETA: 2:49 - loss: 0.4274 - acc: 0.8483 - auroc: 0.631 - ETA: 2:29 - loss: 0.4274 - acc: 0.8483 - auroc: 0.630 - ETA: 2:09 - loss: 0.4273 - acc: 0.8483 - auroc: 0.631 - ETA: 1:49 - loss: 0.4270 - acc: 0.8484 - auroc: 0.631 - ETA: 1:29 - loss: 0.4272 - acc: 0.8484 - auroc: 0.630 - ETA: 1:10 - loss: 0.4271 - acc: 0.8484 - auroc: 0.630 - ETA: 50s - loss: 0.4269 - acc: 0.8485 - auroc: 0.630 - ETA: 30s - loss: 0.4267 - acc: 0.8486 - auroc: 0.63 - ETA: 11s - loss: 0.4265 - acc: 0.8487 - auroc: 0.63 - 2788s 40ms/step - loss: 0.4267 - acc: 0.8486 - auroc: 0.6312 - val_loss: 0.4226 - val_acc: 0.8486 - val_auroc: 0.6491
Epoch 8/15
69918/69918 [==============================] - ETA: 42:21 - loss: 0.4054 - acc: 0.8555 - auroc: 0.67 - ETA: 42:18 - loss: 0.4141 - acc: 0.8525 - auroc: 0.65 - ETA: 41:53 - loss: 0.4189 - acc: 0.8509 - auroc: 0.64 - ETA: 41:30 - loss: 0.4278 - acc: 0.8462 - auroc: 0.63 - ETA: 41:08 - loss: 0.4291 - acc: 0.8457 - auroc: 0.63 - ETA: 40:55 - loss: 0.4259 - acc: 0.8467 - auroc: 0.64 - ETA: 40:42 - loss: 0.4297 - acc: 0.8449 - auroc: 0.63 - ETA: 40:20 - loss: 0.4313 - acc: 0.8442 - auroc: 0.63 - ETA: 39:58 - loss: 0.4270 - acc: 0.8470 - auroc: 0.63 - ETA: 39:39 - loss: 0.4280 - acc: 0.8463 - auroc: 0.63 - ETA: 39:20 - loss: 0.4254 - acc: 0.8477 - auroc: 0.63 - ETA: 39:01 - loss: 0.4248 - acc: 0.8477 - auroc: 0.63 - ETA: 38:43 - loss: 0.4252 - acc: 0.8475 - auroc: 0.63 - ETA: 38:23 - loss: 0.4225 - acc: 0.8488 - auroc: 0.64 - ETA: 38:04 - loss: 0.4207 - acc: 0.8499 - auroc: 0.63 - ETA: 37:46 - loss: 0.4205 - acc: 0.8506 - auroc: 0.63 - ETA: 37:26 - loss: 0.4210 - acc: 0.8503 - auroc: 0.63 - ETA: 37:06 - loss: 0.4213 - acc: 0.8498 - auroc: 0.63 - ETA: 36:46 - loss: 0.42

05 - acc: 0.8502 - auroc: 0.63 - ETA: 36:27 - loss: 0.4198 - acc: 0.8505 - auroc: 0.63 - ETA: 36:0
8 - loss: 0.4199 - acc: 0.8508 - auroc: 0.63 - ETA: 35:49 - loss: 0.4192 - acc: 0.8515 - auroc: 0.
63 - ETA: 35:30 - loss: 0.4204 - acc: 0.8508 - auroc: 0.63 - ETA: 35:10 - loss: 0.4212 - acc: 0.85
04 - auroc: 0.63 - ETA: 34:52 - loss: 0.4213 - acc: 0.8503 - auroc: 0.63 - ETA: 34:34 - loss: 0.42
35 - acc: 0.8489 - auroc: 0.63 - ETA: 34:15 - loss: 0.4235 - acc: 0.8488 - auroc: 0.63 - ETA: 33:5
5 - loss: 0.4249 - acc: 0.8479 - auroc: 0.63 - ETA: 33:37 - loss: 0.4248 - acc: 0.8481 - auroc: 0.
63 - ETA: 33:18 - loss: 0.4232 - acc: 0.8492 - auroc: 0.63 - ETA: 32:59 - loss: 0.4222 - acc: 0.85
00 - auroc: 0.63 - ETA: 32:42 - loss: 0.4218 - acc: 0.8503 - auroc: 0.63 - ETA: 32:23 - loss: 0.42
26 - acc: 0.8497 - auroc: 0.63 - ETA: 32:04 - loss: 0.4244 - acc: 0.8487 - auroc: 0.63 - ETA: 31:4
5 - loss: 0.4245 - acc: 0.8487 - auroc: 0.63 - ETA: 31:27 - loss: 0.4232 - acc: 0.8495 - auroc: 0.
63 - ETA: 31:08 - loss: 0.4233 - acc: 0.8493 - auroc: 0.63 - ETA: 30:50 - loss: 0.4219 - acc: 0.85
02 - auroc: 0.63 - ETA: 30:31 - loss: 0.4212 - acc: 0.8506 - auroc: 0.63 - ETA: 30:12 - loss: 0.42
15 - acc: 0.8505 - auroc: 0.63 - ETA: 29:53 - loss: 0.4220 - acc: 0.8505 - auroc: 0.63 - ETA: 29:3
5 - loss: 0.4219 - acc: 0.8507 - auroc: 0.63 - ETA: 29:16 - loss: 0.4225 - acc: 0.8503 - auroc: 0.
63 - ETA: 28:58 - loss: 0.4235 - acc: 0.8497 - auroc: 0.63 - ETA: 28:39 - loss: 0.4235 - acc: 0.84
99 - auroc: 0.63 - ETA: 28:20 - loss: 0.4248 - acc: 0.8491 - auroc: 0.63 - ETA: 28:01 - loss: 0.42
55 - acc: 0.8487 - auroc: 0.63 - ETA: 27:42 - loss: 0.4252 - acc: 0.8490 - auroc: 0.63 - ETA: 27:2
3 - loss: 0.4247 - acc: 0.8494 - auroc: 0.62 - ETA: 27:05 - loss: 0.4244 - acc: 0.8496 - auroc: 0.
62 - ETA: 26:46 - loss: 0.4235 - acc: 0.8501 - auroc: 0.62 - ETA: 26:27 - loss: 0.4228 - acc: 0.85
06 - auroc: 0.62 - ETA: 26:09 - loss: 0.4222 - acc: 0.8508 - auroc: 0.63 - ETA: 25:50 - loss: 0.42
15 - acc: 0.8513 - auroc: 0.62 - ETA: 25:30 - loss: 0.4229 - acc: 0.8507 - auroc: 0.62 - ETA: 25:1
1 - loss: 0.4238 - acc: 0.8503 - auroc: 0.62 - ETA: 24:53 - loss: 0.4248 - acc: 0.8498 - auroc: 0.
62 - ETA: 24:34 - loss: 0.4249 - acc: 0.8497 - auroc: 0.62 - ETA: 24:15 - loss: 0.4254 - acc: 0.84
94 - auroc: 0.62 - ETA: 23:56 - loss: 0.4251 - acc: 0.8498 - auroc: 0.62 - ETA: 23:37 - loss: 0.42
57 - acc: 0.8494 - auroc: 0.62 - ETA: 23:19 - loss: 0.4255 - acc: 0.8496 - auroc: 0.62 - ETA: 23:0
0 - loss: 0.4257 - acc: 0.8495 - auroc: 0.62 - ETA: 22:41 - loss: 0.4261 - acc: 0.8493 - auroc: 0.
62 - ETA: 22:22 - loss: 0.4261 - acc: 0.8493 - auroc: 0.62 - ETA: 22:03 - loss: 0.4253 - acc: 0.84
99 - auroc: 0.62 - ETA: 21:44 - loss: 0.4256 - acc: 0.8498 - auroc: 0.62 - ETA: 21:26 - loss: 0.42
56 - acc: 0.8498 - auroc: 0.62 - ETA: 21:07 - loss: 0.4249 - acc: 0.8501 - auroc: 0.62 - ETA: 20:4
8 - loss: 0.4251 - acc: 0.8500 - auroc: 0.62 - ETA: 20:29 - loss: 0.4249 - acc: 0.8501 - auroc: 0.
62 - ETA: 20:10 - loss: 0.4245 - acc: 0.8503 - auroc: 0.62 - ETA: 19:51 - loss: 0.4248 - acc: 0.85
01 - auroc: 0.62 - ETA: 19:33 - loss: 0.4252 - acc: 0.8498 - auroc: 0.62 - ETA: 19:14 - loss: 0.42
55 - acc: 0.8497 - auroc: 0.62 - ETA: 18:55 - loss: 0.4251 - acc: 0.8499 - auroc: 0.62 - ETA: 18:3
6 - loss: 0.4249 - acc: 0.8500 - auroc: 0.62 - ETA: 18:18 - loss: 0.4246 - acc: 0.8502 - auroc: 0.
62 - ETA: 17:59 - loss: 0.4246 - acc: 0.8501 - auroc: 0.62 - ETA: 17:40 - loss: 0.4248 - acc: 0.85
00 - auroc: 0.62 - ETA: 17:22 - loss: 0.4253 - acc: 0.8497 - auroc: 0.62 - ETA: 17:03 - loss: 0.42
49 - acc: 0.8499 - auroc: 0.62 - ETA: 16:44 - loss: 0.4249 - acc: 0.8499 - auroc: 0.62 - ETA: 16:2
6 - loss: 0.4250 - acc: 0.8498 - auroc: 0.62 - ETA: 16:07 - loss: 0.4251 - acc: 0.8497 - auroc: 0.
62 - ETA: 15:48 - loss: 0.4248 - acc: 0.8499 - auroc: 0.62 - ETA: 15:29 - loss: 0.4246 - acc: 0.85
00 - auroc: 0.62 - ETA: 15:11 - loss: 0.4240 - acc: 0.8504 - auroc: 0.62 - ETA: 14:52 - loss: 0.42
38 - acc: 0.8504 - auroc: 0.63 - ETA: 14:34 - loss: 0.4239 - acc: 0.8503 - auroc: 0.63 - ETA: 14:1
5 - loss: 0.4240 - acc: 0.8502 - auroc: 0.63 - ETA: 13:56 - loss: 0.4240 - acc: 0.8502 - auroc: 0.
63 - ETA: 13:38 - loss: 0.4239 - acc: 0.8502 - auroc: 0.63 - ETA: 13:19 - loss: 0.4242 - acc: 0.85
00 - auroc: 0.63 - ETA: 13:00 - loss: 0.4241 - acc: 0.8501 - auroc: 0.63 - ETA: 12:41 - loss: 0.42
45 - acc: 0.8499 - auroc: 0.63 - ETA: 12:23 - loss: 0.4244 - acc: 0.8499 - auroc: 0.63 - ETA: 12:0
4 - loss: 0.4242 - acc: 0.8500 - auroc: 0.63 - ETA: 11:45 - loss: 0.4244 - acc: 0.8498 - auroc: 0.
63 - ETA: 11:27 - loss: 0.4248 - acc: 0.8496 - auroc: 0.63 - ETA: 11:08 - loss: 0.4247 - acc: 0.84
97 - auroc: 0.63 - ETA: 10:49 - loss: 0.4246 - acc: 0.8497 - auroc: 0.63 - ETA: 10:30 - loss: 0.42
48 - acc: 0.8496 - auroc: 0.63 - ETA: 10:11 - loss: 0.4248 - acc: 0.8496 - auroc: 0.63 - ETA: 9:52
 - loss: 0.4247 - acc: 0.8497 - auroc: 0.6303 - ETA: 9:34 - loss: 0.4248 - acc: 0.8497 - auroc: 0.6
29 - ETA: 9:15 - loss: 0.4247 - acc: 0.8497 - auroc: 0.630 - ETA: 8:56 - loss: 0.4248 - acc: 0.849
6 - auroc: 0.630 - ETA: 8:37 - loss: 0.4245 - acc: 0.8498 - auroc: 0.630 - ETA: 8:18 - loss: 0.424
8 - acc: 0.8496 - auroc: 0.629 - ETA: 8:00 - loss: 0.4247 - acc: 0.8497 - auroc: 0.630 - ETA: 7:41
 - loss: 0.4244 - acc: 0.8498 - auroc: 0.630 - ETA: 7:22 - loss: 0.4244 - acc: 0.8498 - auroc: 0.63
0 - ETA: 7:03 - loss: 0.4243 - acc: 0.8498 - auroc: 0.630 - ETA: 6:45 - loss: 0.4243 - acc: 0.8498
 - auroc: 0.631 - ETA: 6:26 - loss: 0.4243 - acc: 0.8498 - auroc: 0.631 - ETA: 6:07 - loss: 0.4243
 - acc: 0.8498 - auroc: 0.631 - ETA: 5:48 - loss: 0.4244 - acc: 0.8497 - auroc: 0.631 - ETA: 5:29 -
loss: 0.4246 - acc: 0.8496 - auroc: 0.631 - ETA: 5:11 - loss: 0.4247 - acc: 0.8496 - auroc: 0.631
 - ETA: 4:52 - loss: 0.4250 - acc: 0.8495 - auroc: 0.630 - ETA: 4:33 - loss: 0.4249 - acc: 0.8495 -
auroc: 0.630 - ETA: 4:14 - loss: 0.4252 - acc: 0.8494 - auroc: 0.630 - ETA: 3:56 - loss: 0.4252 -
acc: 0.8493 - auroc: 0.630 - ETA: 3:37 - loss: 0.4254 - acc: 0.8493 - auroc: 0.630 - ETA: 3:18 - l
oss: 0.4258 - acc: 0.8490 - auroc: 0.630 - ETA: 2:59 - loss: 0.4261 - acc: 0.8488 - auroc: 0.630 -
ETA: 2:40 - loss: 0.4264 - acc: 0.8486 - auroc: 0.630 - ETA: 2:22 - loss: 0.4266 - acc: 0.8485 - a
uroc: 0.630 - ETA: 2:03 - loss: 0.4263 - acc: 0.8487 - auroc: 0.630 - ETA: 1:44 - loss: 0.4263 - a
cc: 0.8486 - auroc: 0.631 - ETA: 1:25 - loss: 0.4263 - acc: 0.8486 - auroc: 0.631 - ETA: 1:06 - lo
ss: 0.4264 - acc: 0.8485 - auroc: 0.631 - ETA: 48s - loss: 0.4264 - acc: 0.8485 - auroc: 0.631 - E
TA: 29s - loss: 0.4266 - acc: 0.8484 - auroc: 0.63 - ETA: 10s - loss: 0.4264 - acc: 0.8485 - auroc
: 0.63 - 2665s 38ms/step - loss: 0.4263 - acc: 0.8486 - auroc: 0.6309 - val_loss: 0.4218 - val_acc
: 0.8486 - val_auroc: 0.6508
Epoch 9/15
69918/69918 [==============================] - ETA: 43:11 - loss: 0.3811 - acc: 0.8750 - auroc: 0.
63 - ETA: 42:17 - loss: 0.4029 - acc: 0.8613 - auroc: 0.63 - ETA: 41:56 - loss: 0.4096 - acc: 0.85
94 - auroc: 0.61 - ETA: 41:32 - loss: 0.3961 - acc: 0.8647 - auroc: 0.64 - ETA: 41:09 - loss: 0.39
80 - acc: 0.8617 - auroc: 0.65 - ETA: 40:44 - loss: 0.4033 - acc: 0.8597 - auroc: 0.65 - ETA: 40:2
8 - loss: 0.4073 - acc: 0.8574 - auroc: 0.64 - ETA: 40:12 - loss: 0.4095 - acc: 0.8557 - auroc: 0.
65 - ETA: 39:51 - loss: 0.4133 - acc: 0.8531 - auroc: 0.65 - ETA: 39:30 - loss: 0.4133 - acc: 0.85
29 - auroc: 0.65 - ETA: 39:15 - loss: 0.4164 - acc: 0.8519 - auroc: 0.65 - ETA: 38:58 - loss: 0.41

```
45 - acc: 0.8534 - auroc: 0.65 - ETA: 38:39 - loss: 0.4165 - acc: 0.8522 - auroc: 0.65 - ETA: 38:2
2 - loss: 0.4161 - acc: 0.8525 - auroc: 0.65 - ETA: 38:02 - loss: 0.4159 - acc: 0.8526 - auroc: 0.
65 - ETA: 37:44 - loss: 0.4179 - acc: 0.8513 - auroc: 0.65 - ETA: 37:25 - loss: 0.4197 - acc: 0.85
08 - auroc: 0.65 - ETA: 37:09 - loss: 0.4201 - acc: 0.8506 - auroc: 0.64 - ETA: 36:50 - loss: 0.42
33 - acc: 0.8487 - auroc: 0.64 - ETA: 36:30 - loss: 0.4238 - acc: 0.8485 - auroc: 0.64 - ETA: 36:1
1 - loss: 0.4266 - acc: 0.8468 - auroc: 0.64 - ETA: 35:52 - loss: 0.4260 - acc: 0.8471 - auroc: 0.
64 - ETA: 35:34 - loss: 0.4270 - acc: 0.8466 - auroc: 0.64 - ETA: 35:15 - loss: 0.4268 - acc: 0.84
68 - auroc: 0.64 - ETA: 34:56 - loss: 0.4258 - acc: 0.8475 - auroc: 0.64 - ETA: 34:36 - loss: 0.42
61 - acc: 0.8475 - auroc: 0.64 - ETA: 34:17 - loss: 0.4260 - acc: 0.8475 - auroc: 0.64 - ETA: 33:5
8 - loss: 0.4263 - acc: 0.8473 - auroc: 0.64 - ETA: 33:41 - loss: 0.4250 - acc: 0.8479 - auroc: 0.
64 - ETA: 33:22 - loss: 0.4257 - acc: 0.8477 - auroc: 0.64 - ETA: 33:03 - loss: 0.4269 - acc: 0.84
72 - auroc: 0.64 - ETA: 32:45 - loss: 0.4288 - acc: 0.8458 - auroc: 0.64 - ETA: 32:26 - loss: 0.42
87 - acc: 0.8459 - auroc: 0.64 - ETA: 32:08 - loss: 0.4297 - acc: 0.8453 - auroc: 0.64 - ETA: 31:5
0 - loss: 0.4298 - acc: 0.8454 - auroc: 0.64 - ETA: 31:32 - loss: 0.4288 - acc: 0.8462 - auroc: 0.
64 - ETA: 31:13 - loss: 0.4296 - acc: 0.8457 - auroc: 0.64 - ETA: 30:54 - loss: 0.4295 - acc: 0.84
58 - auroc: 0.64 - ETA: 30:35 - loss: 0.4297 - acc: 0.8455 - auroc: 0.64 - ETA: 30:16 - loss: 0.42
97 - acc: 0.8455 - auroc: 0.64 - ETA: 29:57 - loss: 0.4307 - acc: 0.8451 - auroc: 0.64 - ETA: 29:3
8 - loss: 0.4293 - acc: 0.8459 - auroc: 0.64 - ETA: 29:20 - loss: 0.4288 - acc: 0.8462 - auroc: 0.
64 - ETA: 29:01 - loss: 0.4285 - acc: 0.8463 - auroc: 0.64 - ETA: 28:43 - loss: 0.4285 - acc: 0.84
63 - auroc: 0.64 - ETA: 28:24 - loss: 0.4273 - acc: 0.8469 - auroc: 0.64 - ETA: 28:05 - loss: 0.42
81 - acc: 0.8466 - auroc: 0.64 - ETA: 27:47 - loss: 0.4289 - acc: 0.8464 - auroc: 0.64 - ETA: 27:2
8 - loss: 0.4294 - acc: 0.8460 - auroc: 0.64 - ETA: 27:10 - loss: 0.4290 - acc: 0.8462 - auroc: 0.
64 - ETA: 26:51 - loss: 0.4288 - acc: 0.8464 - auroc: 0.64 - ETA: 26:32 - loss: 0.4284 - acc: 0.84
66 - auroc: 0.64 - ETA: 26:13 - loss: 0.4287 - acc: 0.8464 - auroc: 0.64 - ETA: 25:55 - loss: 0.42
98 - acc: 0.8458 - auroc: 0.64 - ETA: 25:36 - loss: 0.4295 - acc: 0.8460 - auroc: 0.64 - ETA: 25:1
7 - loss: 0.4294 - acc: 0.8460 - auroc: 0.64 - ETA: 24:58 - loss: 0.4288 - acc: 0.8463 - auroc: 0.
64 - ETA: 24:39 - loss: 0.4294 - acc: 0.8459 - auroc: 0.64 - ETA: 24:20 - loss: 0.4294 - acc: 0.84
59 - auroc: 0.64 - ETA: 24:01 - loss: 0.4291 - acc: 0.8461 - auroc: 0.64 - ETA: 23:42 - loss: 0.42
88 - acc: 0.8463 - auroc: 0.64 - ETA: 23:23 - loss: 0.4284 - acc: 0.8465 - auroc: 0.64 - ETA: 23:0
4 - loss: 0.4285 - acc: 0.8464 - auroc: 0.64 - ETA: 22:45 - loss: 0.4281 - acc: 0.8466 - auroc: 0.
64 - ETA: 22:26 - loss: 0.4276 - acc: 0.8469 - auroc: 0.64 - ETA: 22:07 - loss: 0.4272 - acc: 0.84
71 - auroc: 0.64 - ETA: 21:48 - loss: 0.4275 - acc: 0.8469 - auroc: 0.64 - ETA: 21:29 - loss: 0.42
75 - acc: 0.8470 - auroc: 0.64 - ETA: 21:11 - loss: 0.4273 - acc: 0.8472 - auroc: 0.64 - ETA: 20:5
2 - loss: 0.4272 - acc: 0.8474 - auroc: 0.64 - ETA: 20:33 - loss: 0.4271 - acc: 0.8474 - auroc: 0.
64 - ETA: 20:14 - loss: 0.4261 - acc: 0.8482 - auroc: 0.64 - ETA: 19:56 - loss: 0.4263 - acc: 0.84
82 - auroc: 0.63 - ETA: 19:37 - loss: 0.4272 - acc: 0.8479 - auroc: 0.63 - ETA: 19:18 - loss: 0.42
70 - acc: 0.8480 - auroc: 0.63 - ETA: 18:59 - loss: 0.4273 - acc: 0.8479 - auroc: 0.63 - ETA: 18:4
1 - loss: 0.4277 - acc: 0.8478 - auroc: 0.63 - ETA: 18:22 - loss: 0.4273 - acc: 0.8481 - auroc: 0.
63 - ETA: 18:03 - loss: 0.4273 - acc: 0.8482 - auroc: 0.63 - ETA: 17:44 - loss: 0.4274 - acc: 0.84
82 - auroc: 0.63 - ETA: 17:25 - loss: 0.4271 - acc: 0.8485 - auroc: 0.63 - ETA: 17:07 - loss: 0.42
76 - acc: 0.8483 - auroc: 0.63 - ETA: 16:48 - loss: 0.4277 - acc: 0.8484 - auroc: 0.63 - ETA: 16:2
9 - loss: 0.4274 - acc: 0.8487 - auroc: 0.63 - ETA: 16:10 - loss: 0.4280 - acc: 0.8486 - auroc: 0.
63 - ETA: 15:52 - loss: 0.4281 - acc: 0.8485 - auroc: 0.63 - ETA: 15:33 - loss: 0.4282 - acc: 0.84
86 - auroc: 0.63 - ETA: 15:14 - loss: 0.4282 - acc: 0.8487 - auroc: 0.63 - ETA: 14:55 - loss: 0.42
94 - acc: 0.8481 - auroc: 0.63 - ETA: 14:36 - loss: 0.4297 - acc: 0.8480 - auroc: 0.63 - ETA: 14:1
8 - loss: 0.4300 - acc: 0.8478 - auroc: 0.63 - ETA: 13:59 - loss: 0.4298 - acc: 0.8480 - auroc: 0.
63 - ETA: 13:40 - loss: 0.4301 - acc: 0.8480 - auroc: 0.63 - ETA: 13:21 - loss: 0.4303 - acc: 0.84
80 - auroc: 0.63 - ETA: 13:02 - loss: 0.4302 - acc: 0.8481 - auroc: 0.63 - ETA: 12:44 - loss: 0.43
08 - acc: 0.8478 - auroc: 0.63 - ETA: 12:25 - loss: 0.4307 - acc: 0.8479 - auroc: 0.63 - ETA: 12:0
6 - loss: 0.4310 - acc: 0.8477 - auroc: 0.63 - ETA: 11:47 - loss: 0.4313 - acc: 0.8476 - auroc: 0.
63 - ETA: 11:28 - loss: 0.4312 - acc: 0.8477 - auroc: 0.63 - ETA: 11:10 - loss: 0.4308 - acc: 0.84
80 - auroc: 0.63 - ETA: 10:51 - loss: 0.4315 - acc: 0.8477 - auroc: 0.63 - ETA: 10:32 - loss: 0.43
18 - acc: 0.8475 - auroc: 0.63 - ETA: 10:13 - loss: 0.4318 - acc: 0.8476 - auroc: 0.62 - ETA: 9:54
- loss: 0.4322 - acc: 0.8475 - auroc: 0.6293 - ETA: 9:35 - loss: 0.4320 - acc: 0.8476 - auroc: 0.6
28 - ETA: 9:17 - loss: 0.4317 - acc: 0.8478 - auroc: 0.629 - ETA: 8:58 - loss: 0.4316 - acc: 0.848
0 - auroc: 0.628 - ETA: 8:39 - loss: 0.4318 - acc: 0.8479 - auroc: 0.628 - ETA: 8:20 - loss: 0.431
1 - acc: 0.8483 - auroc: 0.627 - ETA: 8:01 - loss: 0.4312 - acc: 0.8483 - auroc: 0.627 - ETA: 7:42
- loss: 0.4311 - acc: 0.8484 - auroc: 0.627 - ETA: 7:24 - loss: 0.4311 - acc: 0.8484 - auroc: 0.62
7 - ETA: 7:05 - loss: 0.4310 - acc: 0.8485 - auroc: 0.627 - ETA: 6:46 - loss: 0.4311 - acc: 0.8484
- auroc: 0.627 - ETA: 6:27 - loss: 0.4311 - acc: 0.8484 - auroc: 0.627 - ETA: 6:08 - loss: 0.4312
- acc: 0.8485 - auroc: 0.626 - ETA: 5:49 - loss: 0.4310 - acc: 0.8486 - auroc: 0.626 - ETA: 5:30 -
loss: 0.4311 - acc: 0.8486 - auroc: 0.625 - ETA: 5:12 - loss: 0.4313 - acc: 0.8485 - auroc: 0.625
- ETA: 4:53 - loss: 0.4311 - acc: 0.8486 - auroc: 0.625 - ETA: 4:34 - loss: 0.4310 - acc: 0.8487 -
auroc: 0.625 - ETA: 4:15 - loss: 0.4307 - acc: 0.8489 - auroc: 0.625 - ETA: 3:56 - loss: 0.4306 -
acc: 0.8490 - auroc: 0.624 - ETA: 3:37 - loss: 0.4306 - acc: 0.8490 - auroc: 0.624 - ETA: 3:19 - l
oss: 0.4306 - acc: 0.8491 - auroc: 0.624 - ETA: 3:00 - loss: 0.4307 - acc: 0.8490 - auroc: 0.624 -
ETA: 2:41 - loss: 0.4309 - acc: 0.8489 - auroc: 0.623 - ETA: 2:22 - loss: 0.4309 - acc: 0.8489 - a
uroc: 0.623 - ETA: 2:03 - loss: 0.4310 - acc: 0.8489 - auroc: 0.623 - ETA: 1:44 - loss: 0.4310 - a
cc: 0.8489 - auroc: 0.623 - ETA: 1:25 - loss: 0.4313 - acc: 0.8488 - auroc: 0.622 - ETA: 1:07 - lo
ss: 0.4313 - acc: 0.8488 - auroc: 0.621 - ETA: 48s - loss: 0.4315 - acc: 0.8487 - auroc: 0.622 - E
TA: 29s - loss: 0.4315 - acc: 0.8487 - auroc: 0.62 - ETA: 10s - loss: 0.4317 - acc: 0.8486 - auroc
: 0.62 - 2671s 38ms/step - loss: 0.4317 - acc: 0.8486 - auroc: 0.6213 - val_loss: 0.4307 - val_acc
: 0.8486 - val_auroc: 0.6238
Epoch 10/15
69918/69918 [==============================] - ETA: 43:16 - loss: 0.4286 - acc: 0.8496 - auroc: 0.
65 - ETA: 42:37 - loss: 0.4457 - acc: 0.8398 - auroc: 0.64 - ETA: 42:15 - loss: 0.4335 - acc: 0.84
70 - auroc: 0.63 - ETA: 44:59 - loss: 0.4448 - acc: 0.8403 - auroc: 0.62 - ETA: 51:05 - loss: 0.44
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27 - acc: 0.8422 - auroc: 0.61 - ETA: 54:48 - loss: 0.4369 - acc: 0.8457 - auroc: 0.61 - ETA: 57:1
1 - loss: 0.4361 - acc: 0.8457 - auroc: 0.61 - ETA: 58:54 - loss: 0.4363 - acc: 0.8462 - auroc: 0.
60 - ETA: 1:00:06 - loss: 0.4357 - acc: 0.8461 - auroc: 0.60 - ETA: 1:00:51 - loss: 0.4359 - acc:
0.8461 - auroc: 0.60 - ETA: 1:01:29 - loss: 0.4327 - acc: 0.8480 - auroc: 0.60 - ETA: 1:01:54 - lo
ss: 0.4306 - acc: 0.8491 - auroc: 0.60 - ETA: 1:02:09 - loss: 0.4289 - acc: 0.8502 - auroc: 0.60 -
ETA: 1:02:17 - loss: 0.4287 - acc: 0.8502 - auroc: 0.60 - ETA: 1:02:19 - loss: 0.4293 - acc: 0.849
6 - auroc: 0.60 - ETA: 1:02:14 - loss: 0.4323 - acc: 0.8481 - auroc: 0.60 - ETA: 1:02:09 - loss: 0
.4325 - acc: 0.8482 - auroc: 0.60 - ETA: 1:02:03 - loss: 0.4309 - acc: 0.8490 - auroc: 0.61 - ETA:
1:01:49 - loss: 0.4301 - acc: 0.8496 - auroc: 0.60 - ETA: 1:01:35 - loss: 0.4292 - acc: 0.8504 - a
uroc: 0.60 - ETA: 1:01:20 - loss: 0.4276 - acc: 0.8513 - auroc: 0.60 - ETA: 1:01:00 - loss: 0.4302
- acc: 0.8501 - auroc: 0.60 - ETA: 1:00:40 - loss: 0.4308 - acc: 0.8499 - auroc: 0.60 - ETA: 1:00:
19 - loss: 0.4318 - acc: 0.8492 - auroc: 0.60 - ETA: 59:56 - loss: 0.4323 - acc: 0.8488 - auroc: 0
.6091 - ETA: 59:36 - loss: 0.4327 - acc: 0.8485 - auroc: 0.60 - ETA: 59:11 - loss: 0.4328 - acc: 0
.8485 - auroc: 0.60 - ETA: 58:47 - loss: 0.4329 - acc: 0.8484 - auroc: 0.60 - ETA: 58:21 - loss: 0
.4329 - acc: 0.8485 - auroc: 0.60 - ETA: 57:54 - loss: 0.4325 - acc: 0.8486 - auroc: 0.61 - ETA: 5
7:27 - loss: 0.4321 - acc: 0.8489 - auroc: 0.61 - ETA: 56:59 - loss: 0.4319 - acc: 0.8488 - auroc:
0.61 - ETA: 56:31 - loss: 0.4313 - acc: 0.8491 - auroc: 0.61 - ETA: 56:03 - loss: 0.4318 - acc: 0.
8489 - auroc: 0.61 - ETA: 55:36 - loss: 0.4332 - acc: 0.8482 - auroc: 0.61 - ETA: 55:09 - loss: 0.
4324 - acc: 0.8486 - auroc: 0.61 - ETA: 54:40 - loss: 0.4322 - acc: 0.8486 - auroc: 0.61 - ETA: 54
:11 - loss: 0.4327 - acc: 0.8484 - auroc: 0.61 - ETA: 53:42 - loss: 0.4323 - acc: 0.8486 - auroc:
0.61 - ETA: 53:13 - loss: 0.4324 - acc: 0.8484 - auroc: 0.61 - ETA: 52:44 - loss: 0.4330 - acc: 0.
8480 - auroc: 0.61 - ETA: 52:15 - loss: 0.4326 - acc: 0.8482 - auroc: 0.61 - ETA: 51:44 - loss: 0.
4325 - acc: 0.8482 - auroc: 0.61 - ETA: 51:14 - loss: 0.4325 - acc: 0.8483 - auroc: 0.61 - ETA: 50
:43 - loss: 0.4322 - acc: 0.8484 - auroc: 0.61 - ETA: 50:13 - loss: 0.4323 - acc: 0.8482 - auroc:
0.61 - ETA: 49:42 - loss: 0.4319 - acc: 0.8484 - auroc: 0.61 - ETA: 49:10 - loss: 0.4321 - acc: 0.
8483 - auroc: 0.61 - ETA: 48:39 - loss: 0.4325 - acc: 0.8481 - auroc: 0.61 - ETA: 48:07 - loss: 0.
4336 - acc: 0.8473 - auroc: 0.61 - ETA: 47:36 - loss: 0.4336 - acc: 0.8472 - auroc: 0.61 - ETA: 47
:04 - loss: 0.4336 - acc: 0.8472 - auroc: 0.61 - ETA: 46:33 - loss: 0.4332 - acc: 0.8475 - auroc:
0.61 - ETA: 46:02 - loss: 0.4335 - acc: 0.8472 - auroc: 0.61 - ETA: 45:30 - loss: 0.4329 - acc: 0.
8476 - auroc: 0.61 - ETA: 44:57 - loss: 0.4332 - acc: 0.8473 - auroc: 0.61 - ETA: 44:25 - loss: 0.
4325 - acc: 0.8477 - auroc: 0.61 - ETA: 43:53 - loss: 0.4324 - acc: 0.8477 - auroc: 0.61 - ETA: 43
:21 - loss: 0.4330 - acc: 0.8474 - auroc: 0.61 - ETA: 42:48 - loss: 0.4340 - acc: 0.8469 - auroc:
0.61 - ETA: 42:16 - loss: 0.4341 - acc: 0.8468 - auroc: 0.61 - ETA: 41:44 - loss: 0.4338 - acc: 0.
8470 - auroc: 0.61 - ETA: 41:11 - loss: 0.4338 - acc: 0.8470 - auroc: 0.61 - ETA: 40:39 - loss: 0.
4338 - acc: 0.8469 - auroc: 0.61 - ETA: 40:06 - loss: 0.4332 - acc: 0.8473 - auroc: 0.61 - ETA: 39
:33 - loss: 0.4328 - acc: 0.8476 - auroc: 0.61 - ETA: 39:01 - loss: 0.4336 - acc: 0.8470 - auroc:
0.61 - ETA: 38:27 - loss: 0.4331 - acc: 0.8474 - auroc: 0.61 - ETA: 37:54 - loss: 0.4325 - acc: 0.
8477 - auroc: 0.61 - ETA: 37:22 - loss: 0.4319 - acc: 0.8480 - auroc: 0.61 - ETA: 36:49 - loss: 0.
4318 - acc: 0.8482 - auroc: 0.61 - ETA: 36:16 - loss: 0.4317 - acc: 0.8482 - auroc: 0.61 - ETA: 35
:42 - loss: 0.4314 - acc: 0.8484 - auroc: 0.61 - ETA: 35:09 - loss: 0.4313 - acc: 0.8484 - auroc:
0.61 - ETA: 34:36 - loss: 0.4311 - acc: 0.8484 - auroc: 0.61 - ETA: 34:03 - loss: 0.4314 - acc: 0.
8483 - auroc: 0.61 - ETA: 33:29 - loss: 0.4316 - acc: 0.8481 - auroc: 0.61 - ETA: 32:56 - loss: 0.
4312 - acc: 0.8483 - auroc: 0.61 - ETA: 32:23 - loss: 0.4308 - acc: 0.8486 - auroc: 0.61 - ETA: 31
:49 - loss: 0.4307 - acc: 0.8487 - auroc: 0.61 - ETA: 31:16 - loss: 0.4304 - acc: 0.8489 - auroc:
0.61 - ETA: 30:42 - loss: 0.4305 - acc: 0.8489 - auroc: 0.61 - ETA: 30:09 - loss: 0.4307 - acc: 0.
8488 - auroc: 0.61 - ETA: 29:35 - loss: 0.4304 - acc: 0.8489 - auroc: 0.61 - ETA: 29:02 - loss: 0.
4302 - acc: 0.8490 - auroc: 0.61 - ETA: 28:28 - loss: 0.4301 - acc: 0.8490 - auroc: 0.61 - ETA: 27
:55 - loss: 0.4301 - acc: 0.8490 - auroc: 0.61 - ETA: 27:21 - loss: 0.4303 - acc: 0.8489 - auroc:
0.61 - ETA: 26:48 - loss: 0.4307 - acc: 0.8486 - auroc: 0.61 - ETA: 26:15 - loss: 0.4305 - acc: 0.
8487 - auroc: 0.61 - ETA: 25:41 - loss: 0.4308 - acc: 0.8485 - auroc: 0.61 - ETA: 25:07 - loss: 0.
4306 - acc: 0.8486 - auroc: 0.61 - ETA: 24:34 - loss: 0.4309 - acc: 0.8483 - auroc: 0.61 - ETA: 24
:00 - loss: 0.4314 - acc: 0.8480 - auroc: 0.61 - ETA: 23:26 - loss: 0.4315 - acc: 0.8479 - auroc:
0.61 - ETA: 22:53 - loss: 0.4320 - acc: 0.8477 - auroc: 0.61 - ETA: 22:20 - loss: 0.4324 - acc: 0.
8475 - auroc: 0.61 - ETA: 21:46 - loss: 0.4320 - acc: 0.8477 - auroc: 0.61 - ETA: 21:12 - loss: 0.
4318 - acc: 0.8478 - auroc: 0.61 - ETA: 20:39 - loss: 0.4317 - acc: 0.8479 - auroc: 0.61 - ETA: 20
:05 - loss: 0.4311 - acc: 0.8482 - auroc: 0.61 - ETA: 19:31 - loss: 0.4311 - acc: 0.8482 - auroc:
0.61 - ETA: 18:57 - loss: 0.4313 - acc: 0.8481 - auroc: 0.61 - ETA: 18:24 - loss: 0.4315 - acc: 0.
8480 - auroc: 0.61 - ETA: 17:50 - loss: 0.4314 - acc: 0.8480 - auroc: 0.61 - ETA: 17:16 - loss: 0.
4314 - acc: 0.8480 - auroc: 0.61 - ETA: 16:43 - loss: 0.4311 - acc: 0.8482 - auroc: 0.61 - ETA: 16
:09 - loss: 0.4313 - acc: 0.8481 - auroc: 0.61 - ETA: 15:35 - loss: 0.4310 - acc: 0.8482 - auroc:
0.61 - ETA: 15:01 - loss: 0.4308 - acc: 0.8483 - auroc: 0.61 - ETA: 14:27 - loss: 0.4311 - acc: 0.
8481 - auroc: 0.61 - ETA: 13:53 - loss: 0.4308 - acc: 0.8483 - auroc: 0.61 - ETA: 13:20 - loss: 0.
4308 - acc: 0.8482 - auroc: 0.61 - ETA: 12:46 - loss: 0.4307 - acc: 0.8482 - auroc: 0.61 - ETA: 12
:12 - loss: 0.4306 - acc: 0.8483 - auroc: 0.61 - ETA: 11:38 - loss: 0.4310 - acc: 0.8480 - auroc:
0.61 - ETA: 11:04 - loss: 0.4310 - acc: 0.8481 - auroc: 0.61 - ETA: 10:30 - loss: 0.4307 - acc: 0.
8483 - auroc: 0.61 - ETA: 9:56 - loss: 0.4311 - acc: 0.8480 - auroc: 0.6168 - ETA: 9:22 - loss: 0.
4309 - acc: 0.8480 - auroc: 0.617 - ETA: 8:48 - loss: 0.4310 - acc: 0.8480 - auroc: 0.617 - ETA: 8
:14 - loss: 0.4310 - acc: 0.8480 - auroc: 0.616 - ETA: 7:40 - loss: 0.4308 - acc: 0.8481 - auroc:
0.617 - ETA: 7:06 - loss: 0.4308 - acc: 0.8481 - auroc: 0.616 - ETA: 6:32 - loss: 0.4307 - acc: 0.
8482 - auroc: 0.617 - ETA: 5:58 - loss: 0.4311 - acc: 0.8479 - auroc: 0.617 - ETA: 5:25 - loss: 0.
4309 - acc: 0.8480 - auroc: 0.617 - ETA: 4:51 - loss: 0.4308 - acc: 0.8481 - auroc: 0.617 - ETA: 4
:17 - loss: 0.4308 - acc: 0.8481 - auroc: 0.617 - ETA: 3:43 - loss: 0.4310 - acc: 0.8480 - auroc:
0.617 - ETA: 3:09 - loss: 0.4312 - acc: 0.8478 - auroc: 0.617 - ETA: 2:35 - loss: 0.4310 - acc: 0.
8479 - auroc: 0.617 - ETA: 2:01 - loss: 0.4305 - acc: 0.8483 - auroc: 0.617 - ETA: 1:27 - loss: 0.
4300 - acc: 0.8485 - auroc: 0.617 - ETA: 53s - loss: 0.4299 - acc: 0.8486 - auroc: 0.618 - ETA: 19
s - loss: 0.4300 - acc: 0.8485 - auroc: 0.61 - 4838s 69ms/step - loss: 0.4298 - acc: 0.8486 - auro
c: 0.6188 - val_loss: 0.4279 - val_acc: 0.8486 - val_auroc: 0.6463

```
Epoch 11/15
69918/69918 [==============================] - ETA: 1:17:42 - loss: 0.4121 - acc: 0.8555 - auroc:
0.64 - ETA: 1:16:40 - loss: 0.4034 - acc: 0.8633 - auroc: 0.62 - ETA: 1:16:10 - loss: 0.4261 - acc
: 0.8496 - auroc: 0.62 - ETA: 1:15:32 - loss: 0.4171 - acc: 0.8550 - auroc: 0.62 - ETA: 1:15:06 -
loss: 0.4133 - acc: 0.8555 - auroc: 0.64 - ETA: 1:14:33 - loss: 0.4154 - acc: 0.8548 - auroc: 0.63
- ETA: 1:14:05 - loss: 0.4138 - acc: 0.8555 - auroc: 0.63 - ETA: 1:13:34 - loss: 0.4176 - acc: 0.8
533 - auroc: 0.63 - ETA: 1:13:06 - loss: 0.4163 - acc: 0.8539 - auroc: 0.63 - ETA: 1:12:34 - loss:
0.4174 - acc: 0.8531 - auroc: 0.63 - ETA: 1:12:02 - loss: 0.4117 - acc: 0.8567 - auroc: 0.63 - ETA
: 1:11:24 - loss: 0.4138 - acc: 0.8551 - auroc: 0.63 - ETA: 1:10:47 - loss: 0.4137 - acc: 0.8555 -
auroc: 0.63 - ETA: 1:10:13 - loss: 0.4119 - acc: 0.8562 - auroc: 0.63 - ETA: 1:09:42 - loss: 0.412
0 - acc: 0.8561 - auroc: 0.63 - ETA: 1:09:09 - loss: 0.4131 - acc: 0.8555 - auroc: 0.63 - ETA: 1:0
8:36 - loss: 0.4140 - acc: 0.8548 - auroc: 0.63 - ETA: 1:08:05 - loss: 0.4145 - acc: 0.8542 - auro
c: 0.63 - ETA: 1:07:32 - loss: 0.4157 - acc: 0.8535 - auroc: 0.63 - ETA: 1:06:54 - loss: 0.4157 -
acc: 0.8534 - auroc: 0.63 - ETA: 1:06:17 - loss: 0.4173 - acc: 0.8526 - auroc: 0.63 - ETA: 1:05:43
- loss: 0.4173 - acc: 0.8529 - auroc: 0.63 - ETA: 1:05:10 - loss: 0.4147 - acc: 0.8543 - auroc: 0.
63 - ETA: 1:04:36 - loss: 0.4161 - acc: 0.8534 - auroc: 0.63 - ETA: 1:04:00 - loss: 0.4164 - acc:
0.8535 - auroc: 0.63 - ETA: 1:03:24 - loss: 0.4177 - acc: 0.8531 - auroc: 0.63 - ETA: 1:02:48 - lo
ss: 0.4168 - acc: 0.8532 - auroc: 0.63 - ETA: 1:02:15 - loss: 0.4181 - acc: 0.8525 - auroc: 0.63 -
ETA: 1:01:40 - loss: 0.4194 - acc: 0.8519 - auroc: 0.63 - ETA: 1:01:06 - loss: 0.4194 - acc: 0.851
9 - auroc: 0.63 - ETA: 1:00:31 - loss: 0.4207 - acc: 0.8512 - auroc: 0.63 - ETA: 59:57 - loss: 0.4
205 - acc: 0.8516 - auroc: 0.6306 - ETA: 59:23 - loss: 0.4213 - acc: 0.8510 - auroc: 0.63 - ETA: 5
8:50 - loss: 0.4217 - acc: 0.8506 - auroc: 0.63 - ETA: 58:14 - loss: 0.4209 - acc: 0.8511 - auroc:
0.63 - ETA: 57:42 - loss: 0.4211 - acc: 0.8509 - auroc: 0.63 - ETA: 57:08 - loss: 0.4211 - acc: 0.
8508 - auroc: 0.63 - ETA: 56:33 - loss: 0.4206 - acc: 0.8513 - auroc: 0.63 - ETA: 56:00 - loss: 0.
4204 - acc: 0.8514 - auroc: 0.63 - ETA: 55:25 - loss: 0.4202 - acc: 0.8516 - auroc: 0.63 - ETA: 54
:51 - loss: 0.4206 - acc: 0.8514 - auroc: 0.63 - ETA: 54:16 - loss: 0.4212 - acc: 0.8510 - auroc:
0.63 - ETA: 53:41 - loss: 0.4209 - acc: 0.8510 - auroc: 0.63 - ETA: 53:07 - loss: 0.4215 - acc: 0.
8507 - auroc: 0.63 - ETA: 52:32 - loss: 0.4214 - acc: 0.8507 - auroc: 0.63 - ETA: 51:57 - loss: 0.
4221 - acc: 0.8502 - auroc: 0.63 - ETA: 51:23 - loss: 0.4212 - acc: 0.8508 - auroc: 0.63 - ETA: 50
:49 - loss: 0.4205 - acc: 0.8513 - auroc: 0.63 - ETA: 50:14 - loss: 0.4200 - acc: 0.8515 - auroc:
0.63 - ETA: 49:39 - loss: 0.4196 - acc: 0.8518 - auroc: 0.63 - ETA: 49:05 - loss: 0.4201 - acc: 0.
8514 - auroc: 0.63 - ETA: 48:30 - loss: 0.4207 - acc: 0.8512 - auroc: 0.63 - ETA: 47:56 - loss: 0.
4213 - acc: 0.8509 - auroc: 0.63 - ETA: 47:21 - loss: 0.4210 - acc: 0.8510 - auroc: 0.63 - ETA: 46
:47 - loss: 0.4211 - acc: 0.8509 - auroc: 0.63 - ETA: 46:12 - loss: 0.4215 - acc: 0.8508 - auroc:
0.63 - ETA: 45:38 - loss: 0.4222 - acc: 0.8504 - auroc: 0.63 - ETA: 45:03 - loss: 0.4226 - acc: 0.
8501 - auroc: 0.63 - ETA: 44:28 - loss: 0.4225 - acc: 0.8501 - auroc: 0.63 - ETA: 43:54 - loss: 0.
4226 - acc: 0.8501 - auroc: 0.63 - ETA: 43:20 - loss: 0.4224 - acc: 0.8501 - auroc: 0.63 - ETA: 42
:45 - loss: 0.4223 - acc: 0.8502 - auroc: 0.63 - ETA: 42:11 - loss: 0.4222 - acc: 0.8502 - auroc:
0.63 - ETA: 41:37 - loss: 0.4228 - acc: 0.8499 - auroc: 0.63 - ETA: 41:03 - loss: 0.4228 - acc: 0.
8498 - auroc: 0.63 - ETA: 40:28 - loss: 0.4232 - acc: 0.8497 - auroc: 0.63 - ETA: 39:54 - loss: 0.
4230 - acc: 0.8498 - auroc: 0.63 - ETA: 39:20 - loss: 0.4227 - acc: 0.8499 - auroc: 0.63 - ETA: 38
:46 - loss: 0.4219 - acc: 0.8503 - auroc: 0.63 - ETA: 38:11 - loss: 0.4221 - acc: 0.8503 - auroc:
0.63 - ETA: 37:37 - loss: 0.4226 - acc: 0.8500 - auroc: 0.63 - ETA: 37:03 - loss: 0.4226 - acc: 0.
8500 - auroc: 0.63 - ETA: 36:28 - loss: 0.4220 - acc: 0.8504 - auroc: 0.63 - ETA: 35:54 - loss: 0.
4224 - acc: 0.8502 - auroc: 0.63 - ETA: 35:20 - loss: 0.4219 - acc: 0.8505 - auroc: 0.63 - ETA: 34
:45 - loss: 0.4220 - acc: 0.8504 - auroc: 0.63 - ETA: 34:11 - loss: 0.4220 - acc: 0.8504 - auroc:
0.63 - ETA: 33:37 - loss: 0.4226 - acc: 0.8500 - auroc: 0.63 - ETA: 33:03 - loss: 0.4230 - acc: 0.
8498 - auroc: 0.63 - ETA: 32:29 - loss: 0.4227 - acc: 0.8500 - auroc: 0.63 - ETA: 31:54 - loss: 0.
4229 - acc: 0.8499 - auroc: 0.63 - ETA: 31:20 - loss: 0.4228 - acc: 0.8500 - auroc: 0.63 - ETA: 30
:45 - loss: 0.4226 - acc: 0.8501 - auroc: 0.63 - ETA: 30:11 - loss: 0.4220 - acc: 0.8504 - auroc:
0.63 - ETA: 29:36 - loss: 0.4222 - acc: 0.8503 - auroc: 0.63 - ETA: 29:01 - loss: 0.4226 - acc: 0.
8501 - auroc: 0.63 - ETA: 28:27 - loss: 0.4231 - acc: 0.8499 - auroc: 0.63 - ETA: 27:53 - loss: 0.
4231 - acc: 0.8499 - auroc: 0.63 - ETA: 27:18 - loss: 0.4234 - acc: 0.8498 - auroc: 0.63 - ETA: 26
:44 - loss: 0.4235 - acc: 0.8497 - auroc: 0.63 - ETA: 26:09 - loss: 0.4233 - acc: 0.8499 - auroc:
0.63 - ETA: 25:35 - loss: 0.4238 - acc: 0.8495 - auroc: 0.63 - ETA: 25:01 - loss: 0.4240 - acc: 0.
8494 - auroc: 0.63 - ETA: 24:27 - loss: 0.4237 - acc: 0.8496 - auroc: 0.63 - ETA: 23:52 - loss: 0.
4236 - acc: 0.8496 - auroc: 0.63 - ETA: 23:18 - loss: 0.4229 - acc: 0.8501 - auroc: 0.63 - ETA: 22
:43 - loss: 0.4232 - acc: 0.8499 - auroc: 0.63 - ETA: 22:09 - loss: 0.4239 - acc: 0.8496 - auroc:
0.63 - ETA: 21:34 - loss: 0.4237 - acc: 0.8497 - auroc: 0.63 - ETA: 21:00 - loss: 0.4242 - acc: 0.
8495 - auroc: 0.62 - ETA: 20:25 - loss: 0.4238 - acc: 0.8498 - auroc: 0.62 - ETA: 19:51 - loss: 0.
4237 - acc: 0.8499 - auroc: 0.62 - ETA: 19:16 - loss: 0.4236 - acc: 0.8499 - auroc: 0.62 - ETA: 18
:42 - loss: 0.4238 - acc: 0.8498 - auroc: 0.62 - ETA: 18:07 - loss: 0.4232 - acc: 0.8501 - auroc:
0.63 - ETA: 17:33 - loss: 0.4236 - acc: 0.8500 - auroc: 0.62 - ETA: 16:58 - loss: 0.4237 - acc: 0.
8499 - auroc: 0.62 - ETA: 16:24 - loss: 0.4241 - acc: 0.8496 - auroc: 0.62 - ETA: 15:50 - loss: 0.
4240 - acc: 0.8496 - auroc: 0.63 - ETA: 15:15 - loss: 0.4241 - acc: 0.8496 - auroc: 0.63 - ETA: 14
:41 - loss: 0.4237 - acc: 0.8498 - auroc: 0.63 - ETA: 14:06 - loss: 0.4239 - acc: 0.8496 - auroc:
0.63 - ETA: 13:32 - loss: 0.4238 - acc: 0.8496 - auroc: 0.63 - ETA: 12:58 - loss: 0.4237 - acc: 0.
8497 - auroc: 0.63 - ETA: 12:23 - loss: 0.4239 - acc: 0.8495 - auroc: 0.63 - ETA: 11:49 - loss: 0.
4238 - acc: 0.8496 - auroc: 0.63 - ETA: 11:14 - loss: 0.4238 - acc: 0.8495 - auroc: 0.63 - ETA: 10
:40 - loss: 0.4238 - acc: 0.8495 - auroc: 0.63 - ETA: 10:05 - loss: 0.4240 - acc: 0.8494 - auroc:
0.63 - ETA: 9:31 - loss: 0.4243 - acc: 0.8493 - auroc: 0.6315 - ETA: 8:56 - loss: 0.4243 - acc: 0.
8492 - auroc: 0.631 - ETA: 8:22 - loss: 0.4245 - acc: 0.8491 - auroc: 0.631 - ETA: 7:47 - loss: 0.
4244 - acc: 0.8492 - auroc: 0.631 - ETA: 7:13 - loss: 0.4245 - acc: 0.8491 - auroc: 0.631 - ETA: 6
:38 - loss: 0.4245 - acc: 0.8490 - auroc: 0.631 - ETA: 6:04 - loss: 0.4243 - acc: 0.8491 - auroc:
0.631 - ETA: 5:29 - loss: 0.4242 - acc: 0.8492 - auroc: 0.631 - ETA: 4:55 - loss: 0.4243 - acc: 0.
8491 - auroc: 0.632 - ETA: 4:21 - loss: 0.4244 - acc: 0.8491 - auroc: 0.631 - ETA: 3:47 - loss: 0.
4245 - acc: 0.8490 - auroc: 0.632 - ETA: 3:12 - loss: 0.4247 - acc: 0.8489 - auroc: 0.632 - ETA: 2
```

:38 - loss: 0.4247 - acc: 0.8489 - auroc: 0.632 - ETA: 2:03 - loss: 0.4247 - acc: 0.8489 - auroc: 0.632 - ETA: 1:28 - loss: 0.4251 - acc: 0.8487 - auroc: 0.631 - ETA: 54s - loss: 0.4253 - acc: 0.8486 - auroc: 0.631 - ETA: 19s - loss: 0.4254 - acc: 0.8485 - auroc: 0.63 - 4963s 71ms/step - loss: 0.4253 - acc: 0.8486 - auroc: 0.6319 - val_loss: 0.4236 - val_acc: 0.8486 - val_auroc: 0.6452
Epoch 12/15
69918/69918 [==============================] - ETA: 1:30:17 - loss: 0.4437 - acc: 0.8398 - auroc: 0.62 - ETA: 1:32:27 - loss: 0.4212 - acc: 0.8535 - auroc: 0.61 - ETA: 1:31:44 - loss: 0.4327 - acc: 0.8464 - auroc: 0.62 - ETA: 1:30:59 - loss: 0.4411 - acc: 0.8403 - auroc: 0.62 - ETA: 1:29:17 - loss: 0.4359 - acc: 0.8434 - auroc: 0.63 - ETA: 1:28:20 - loss: 0.4384 - acc: 0.8418 - auroc: 0.63 - ETA: 1:27:18 - loss: 0.4360 - acc: 0.8424 - auroc: 0.63 - ETA: 1:26:06 - loss: 0.4337 - acc: 0.8435 - auroc: 0.63 - ETA: 1:26:16 - loss: 0.4248 - acc: 0.8485 - auroc: 0.64 - ETA: 1:25:29 - loss: 0.4244 - acc: 0.8494 - auroc: 0.63 - ETA: 1:24:30 - loss: 0.4244 - acc: 0.8491 - auroc: 0.63 - ETA: 1:24:18 - loss: 0.4247 - acc: 0.8488 - auroc: 0.63 - ETA: 1:23:47 - loss: 0.4258 - acc: 0.8480 - auroc: 0.63 - ETA: 1:23:35 - loss: 0.4257 - acc: 0.8478 - auroc: 0.64 - ETA: 1:22:54 - loss: 0.4238 - acc: 0.8488 - auroc: 0.63 - ETA: 1:21:41 - loss: 0.4254 - acc: 0.8480 - auroc: 0.63 - ETA: 1:20:34 - loss: 0.4228 - acc: 0.8497 - auroc: 0.63 - ETA: 1:19:29 - loss: 0.4220 - acc: 0.8499 - auroc: 0.63 - ETA: 1:18:24 - loss: 0.4200 - acc: 0.8508 - auroc: 0.64 - ETA: 1:17:24 - loss: 0.4196 - acc: 0.8510 - auroc: 0.64 - ETA: 1:16:26 - loss: 0.4204 - acc: 0.8505 - auroc: 0.64 - ETA: 1:15:35 - loss: 0.4226 - acc: 0.8494 - auroc: 0.64 - ETA: 1:14:42 - loss: 0.4235 - acc: 0.8489 - auroc: 0.64 - ETA: 1:13:49 - loss: 0.4228 - acc: 0.8494 - auroc: 0.64 - ETA: 1:12:59 - loss: 0.4222 - acc: 0.8498 - auroc: 0.64 - ETA: 1:12:09 - loss: 0.4217 - acc: 0.8502 - auroc: 0.64 - ETA: 1:11:20 - loss: 0.4198 - acc: 0.8513 - auroc: 0.64 - ETA: 1:10:31 - loss: 0.4204 - acc: 0.8509 - auroc: 0.64 - ETA: 1:09:39 - loss: 0.4212 - acc: 0.8504 - auroc: 0.64 - ETA: 1:08:47 - loss: 0.4203 - acc: 0.8509 - auroc: 0.64 - ETA: 1:07:54 - loss: 0.4215 - acc: 0.8503 - auroc: 0.64 - ETA: 1:07:03 - loss: 0.4216 - acc: 0.8502 - auroc: 0.64 - ETA: 1:06:12 - loss: 0.4218 - acc: 0.8501 - auroc: 0.64 - ETA: 1:05:22 - loss: 0.4214 - acc: 0.8504 - auroc: 0.64 - ETA: 1:04:33 - loss: 0.4214 - acc: 0.8504 - auroc: 0.64 - ETA: 1:03:44 - loss: 0.4218 - acc: 0.8501 - auroc: 0.64 - ETA: 1:02:57 - loss: 0.4226 - acc: 0.8496 - auroc: 0.64 - ETA: 1:02:11 - loss: 0.4224 - acc: 0.8496 - auroc: 0.64 - ETA: 1:01:25 - loss: 0.4229 - acc: 0.8494 - auroc: 0.64 - ETA: 1:00:41 - loss: 0.4225 - acc: 0.8498 - auroc: 0.64 - ETA: 59:56 - loss: 0.4227 - acc: 0.8495 - auroc: 0.6406 - ETA: 59:12 - loss: 0.4229 - acc: 0.8494 - auroc: 0.64 - ETA: 58:28 - loss: 0.4239 - acc: 0.8487 - auroc: 0.64 - ETA: 57:44 - loss: 0.4237 - acc: 0.8489 - auroc: 0.64 - ETA: 57:01 - loss: 0.4234 - acc: 0.8491 - auroc: 0.64 - ETA: 56:18 - loss: 0.4232 - acc: 0.8492 - auroc: 0.64 - ETA: 55:48 - loss: 0.4235 - acc: 0.8492 - auroc: 0.63 - ETA: 55:15 - loss: 0.4233 - acc: 0.8492 - auroc: 0.64 - ETA: 54:43 - loss: 0.4234 - acc: 0.8491 - auroc: 0.64 - ETA: 54:09 - loss: 0.4238 - acc: 0.8489 - auroc: 0.64 - ETA: 53:31 - loss: 0.4245 - acc: 0.8484 - auroc: 0.64 - ETA: 52:57 - loss: 0.4251 - acc: 0.8481 - auroc: 0.64 - ETA: 52:26 - loss: 0.4256 - acc: 0.8478 - auroc: 0.63 - ETA: 51:54 - loss: 0.4258 - acc: 0.8478 - auroc: 0.63 - ETA: 51:18 - loss: 0.4257 - acc: 0.8479 - auroc: 0.63 - ETA: 50:46 - loss: 0.4255 - acc: 0.8482 - auroc: 0.63 - ETA: 50:08 - loss: 0.4258 - acc: 0.8481 - auroc: 0.63 - ETA: 49:28 - loss: 0.4259 - acc: 0.8481 - auroc: 0.63 - ETA: 48:49 - loss: 0.4258 - acc: 0.8481 - auroc: 0.63 - ETA: 48:10 - loss: 0.4259 - acc: 0.8480 - auroc: 0.63 - ETA: 47:30 - loss: 0.4257 - acc: 0.8481 - auroc: 0.63 - ETA: 46:50 - loss: 0.4258 - acc: 0.8481 - auroc: 0.63 - ETA: 46:11 - loss: 0.4260 - acc: 0.8480 - auroc: 0.63 - ETA: 45:31 - loss: 0.4263 - acc: 0.8477 - auroc: 0.63 - ETA: 44:52 - loss: 0.4257 - acc: 0.8480 - auroc: 0.63 - ETA: 44:13 - loss: 0.4262 - acc: 0.8478 - auroc: 0.63 - ETA: 43:34 - loss: 0.4259 - acc: 0.8480 - auroc: 0.63 - ETA: 42:55 - loss: 0.4255 - acc: 0.8481 - auroc: 0.63 - ETA: 42:16 - loss: 0.4257 - acc: 0.8481 - auroc: 0.63 - ETA: 41:37 - loss: 0.4258 - acc: 0.8479 - auroc: 0.63 - ETA: 40:58 - loss: 0.4258 - acc: 0.8479 - auroc: 0.63 - ETA: 40:19 - loss: 0.4250 - acc: 0.8483 - auroc: 0.64 - ETA: 39:41 - loss: 0.4250 - acc: 0.8484 - auroc: 0.64 - ETA: 39:00 - loss: 0.4252 - acc: 0.8483 - auroc: 0.64 - ETA: 38:09 - loss: 0.4251 - acc: 0.8483 - auroc: 0.64 - ETA: 37:18 - loss: 0.4257 - acc: 0.8480 - auroc: 0.64 - ETA: 36:28 - loss: 0.4256 - acc: 0.8480 - auroc: 0.64 - ETA: 35:39 - loss: 0.4255 - acc: 0.8481 - auroc: 0.64 - ETA: 34:50 - loss: 0.4254 - acc: 0.8481 - auroc: 0.64 - ETA: 34:03 - loss: 0.4257 - acc: 0.8480 - auroc: 0.64 - ETA: 33:17 - loss: 0.4255 - acc: 0.8481 - auroc: 0.64 - ETA: 32:32 - loss: 0.4252 - acc: 0.8483 - auroc: 0.64 - ETA: 31:47 - loss: 0.4249 - acc: 0.8484 - auroc: 0.64 - ETA: 31:02 - loss: 0.4254 - acc: 0.8482 - auroc: 0.64 - ETA: 30:17 - loss: 0.4259 - acc: 0.8478 - auroc: 0.64 - ETA: 29:33 - loss: 0.4256 - acc: 0.8480 - auroc: 0.64 - ETA: 28:49 - loss: 0.4251 - acc: 0.8482 - auroc: 0.64 - ETA: 28:06 - loss: 0.4249 - acc: 0.8483 - auroc: 0.64 - ETA: 27:23 - loss: 0.4245 - acc: 0.8485 - auroc: 0.64 - ETA: 26:41 - loss: 0.4246 - acc: 0.8484 - auroc: 0.64 - ETA: 25:59 - loss: 0.4245 - acc: 0.8485 - auroc: 0.64 - ETA: 25:18 - loss: 0.4244 - acc: 0.8485 - auroc: 0.64 - ETA: 24:37 - loss: 0.4241 - acc: 0.8487 - auroc: 0.64 - ETA: 23:57 - loss: 0.4241 - acc: 0.8487 - auroc: 0.64 - ETA: 23:17 - loss: 0.4243 - acc: 0.8486 - auroc: 0.64 - ETA: 22:38 - loss: 0.4242 - acc: 0.8487 - auroc: 0.64 - ETA: 21:59 - loss: 0.4244 - acc: 0.8485 - auroc: 0.64 - ETA: 21:20 - loss: 0.4246 - acc: 0.8484 - auroc: 0.64 - ETA: 20:42 - loss: 0.4247 - acc: 0.8483 - auroc: 0.64 - ETA: 20:04 - loss: 0.4245 - acc: 0.8485 - auroc: 0.64 - ETA: 19:27 - loss: 0.4243 - acc: 0.8486 - auroc: 0.64 - ETA: 18:49 - loss: 0.4247 - acc: 0.8484 - auroc: 0.64 - ETA: 18:13 - loss: 0.4248 - acc: 0.8484 - auroc: 0.64 - ETA: 17:36 - loss: 0.4247 - acc: 0.8484 - auroc: 0.64 - ETA: 17:00 - loss: 0.4246 - acc: 0.8485 - auroc: 0.64 - ETA: 16:24 - loss: 0.4250 - acc: 0.8483 - auroc: 0.64 - ETA: 15:49 - loss: 0.4254 - acc: 0.8480 - auroc: 0.64 - ETA: 15:13 - loss: 0.4256 - acc: 0.8479 - auroc: 0.64 - ETA: 14:38 - loss: 0.4259 - acc: 0.8477 - auroc: 0.64 - ETA: 14:03 - loss: 0.4256 - acc: 0.8479 - auroc: 0.64 - ETA: 13:29 - loss: 0.4257 - acc: 0.8479 - auroc: 0.64 - ETA: 12:55 - loss: 0.4258 - acc: 0.8478 - auroc: 0.64 - ETA: 12:21 - loss: 0.4254 - acc: 0.8480 - auroc: 0.64 - ETA: 11:47 - loss: 0.4250 - acc: 0.8482 - auroc: 0.64 - ETA: 11:14 - loss: 0.4251 - acc: 0.8482 - auroc: 0.64 - ETA: 10:40 - loss: 0.4250 - acc: 0.8482 - auroc: 0.64 - ETA: 10:08 - loss: 0.4247 - acc: 0.8484 - auroc: 0.64 - ETA: 9:35 - loss: 0.4245 - acc: 0.8485 - auroc: 0.6415 - ETA: 9:02 - loss: 0.4247 - acc: 0.8484 - auroc: 0.641 - ETA: 8:30 - loss: 0.4242 - acc: 0.8487 - auroc: 0.641 - ETA: 7:58 - loss: 0.4244 - acc: 0.8486 - auroc: 0.641 - ETA: 7:26 - loss: 0.4242 - acc: 0.8486 - auroc: 0.641 - ETA: 6:54 - loss: 0.4242 - acc: 0.8487 - auroc: 0.641 - ETA: 6:22 - loss: 0.4239 - acc: 0.8489 - auroc:

0.640 - ETA: 5:51 - loss: 0.4241 - acc: 0.8488 - auroc: 0.641 - ETA: 5:19 - loss: 0.4241 - acc: 0.
8488 - auroc: 0.640 - ETA: 4:48 - loss: 0.4240 - acc: 0.8488 - auroc: 0.640 - ETA: 4:17 - loss: 0.
4236 - acc: 0.8490 - auroc: 0.641 - ETA: 3:46 - loss: 0.4240 - acc: 0.8488 - auroc: 0.641 - ETA: 3
:16 - loss: 0.4239 - acc: 0.8489 - auroc: 0.641 - ETA: 2:45 - loss: 0.4238 - acc: 0.8488 - auroc:
0.641 - ETA: 2:15 - loss: 0.4240 - acc: 0.8487 - auroc: 0.641 - ETA: 1:45 - loss: 0.4245 - acc: 0.
8485 - auroc: 0.641 - ETA: 1:15 - loss: 0.4242 - acc: 0.8486 - auroc: 0.641 - ETA: 46s - loss: 0.4
245 - acc: 0.8485 - auroc: 0.640 - ETA: 16s - loss: 0.4244 - acc: 0.8486 - auroc: 0.64 - 4116s 59m
s/step - loss: 0.4245 - acc: 0.8486 - auroc: 0.6406 - val_loss: 0.4231 - val_acc: 0.8486 - val_aur
oc: 0.6486
Epoch 13/15
69918/69918 [==============================] - ETA: 42:46 - loss: 0.4433 - acc: 0.8379 - auroc: 0.
61 - ETA: 42:46 - loss: 0.4155 - acc: 0.8555 - auroc: 0.61 - ETA: 42:33 - loss: 0.4070 - acc: 0.86
07 - auroc: 0.61 - ETA: 42:16 - loss: 0.4040 - acc: 0.8618 - auroc: 0.63 - ETA: 41:54 - loss: 0.40
79 - acc: 0.8586 - auroc: 0.64 - ETA: 41:38 - loss: 0.4113 - acc: 0.8571 - auroc: 0.63 - ETA: 41:1
1 - loss: 0.4115 - acc: 0.8571 - auroc: 0.63 - ETA: 40:51 - loss: 0.4123 - acc: 0.8564 - auroc: 0.
63 - ETA: 40:38 - loss: 0.4084 - acc: 0.8581 - auroc: 0.64 - ETA: 40:20 - loss: 0.4102 - acc: 0.85
76 - auroc: 0.63 - ETA: 40:00 - loss: 0.4111 - acc: 0.8571 - auroc: 0.63 - ETA: 39:39 - loss: 0.41
34 - acc: 0.8556 - auroc: 0.63 - ETA: 39:19 - loss: 0.4156 - acc: 0.8547 - auroc: 0.63 - ETA: 38:5
8 - loss: 0.4165 - acc: 0.8535 - auroc: 0.64 - ETA: 38:39 - loss: 0.4177 - acc: 0.8523 - auroc: 0.
64 - ETA: 38:22 - loss: 0.4187 - acc: 0.8521 - auroc: 0.64 - ETA: 38:04 - loss: 0.4223 - acc: 0.85
03 - auroc: 0.63 - ETA: 37:46 - loss: 0.4228 - acc: 0.8502 - auroc: 0.63 - ETA: 37:26 - loss: 0.42
41 - acc: 0.8492 - auroc: 0.63 - ETA: 37:07 - loss: 0.4240 - acc: 0.8493 - auroc: 0.63 - ETA: 36:4
8 - loss: 0.4240 - acc: 0.8492 - auroc: 0.63 - ETA: 36:30 - loss: 0.4249 - acc: 0.8485 - auroc: 0.
63 - ETA: 36:11 - loss: 0.4262 - acc: 0.8476 - auroc: 0.63 - ETA: 35:56 - loss: 0.4254 - acc: 0.84
80 - auroc: 0.64 - ETA: 35:40 - loss: 0.4240 - acc: 0.8487 - auroc: 0.64 - ETA: 35:20 - loss: 0.42
32 - acc: 0.8491 - auroc: 0.64 - ETA: 35:00 - loss: 0.4226 - acc: 0.8493 - auroc: 0.64 - ETA: 34:4
1 - loss: 0.4224 - acc: 0.8497 - auroc: 0.64 - ETA: 34:21 - loss: 0.4222 - acc: 0.8498 - auroc: 0.
64 - ETA: 34:02 - loss: 0.4232 - acc: 0.8493 - auroc: 0.64 - ETA: 33:42 - loss: 0.4239 - acc: 0.84
88 - auroc: 0.64 - ETA: 33:22 - loss: 0.4237 - acc: 0.8488 - auroc: 0.64 - ETA: 33:02 - loss: 0.42
29 - acc: 0.8494 - auroc: 0.64 - ETA: 32:42 - loss: 0.4248 - acc: 0.8481 - auroc: 0.64 - ETA: 32:2
3 - loss: 0.4251 - acc: 0.8479 - auroc: 0.64 - ETA: 32:04 - loss: 0.4247 - acc: 0.8483 - auroc: 0.
64 - ETA: 31:45 - loss: 0.4236 - acc: 0.8489 - auroc: 0.64 - ETA: 31:26 - loss: 0.4241 - acc: 0.84
86 - auroc: 0.64 - ETA: 31:06 - loss: 0.4237 - acc: 0.8488 - auroc: 0.64 - ETA: 30:47 - loss: 0.42
40 - acc: 0.8487 - auroc: 0.64 - ETA: 30:28 - loss: 0.4234 - acc: 0.8489 - auroc: 0.64 - ETA: 30:0
8 - loss: 0.4236 - acc: 0.8487 - auroc: 0.64 - ETA: 29:49 - loss: 0.4222 - acc: 0.8495 - auroc: 0.
64 - ETA: 29:30 - loss: 0.4218 - acc: 0.8498 - auroc: 0.64 - ETA: 29:11 - loss: 0.4223 - acc: 0.84
96 - auroc: 0.64 - ETA: 28:51 - loss: 0.4220 - acc: 0.8499 - auroc: 0.64 - ETA: 28:32 - loss: 0.42
21 - acc: 0.8498 - auroc: 0.64 - ETA: 28:13 - loss: 0.4216 - acc: 0.8501 - auroc: 0.64 - ETA: 27:5
5 - loss: 0.4213 - acc: 0.8503 - auroc: 0.64 - ETA: 27:37 - loss: 0.4217 - acc: 0.8501 - auroc: 0.
64 - ETA: 27:20 - loss: 0.4224 - acc: 0.8497 - auroc: 0.64 - ETA: 27:03 - loss: 0.4226 - acc: 0.84
97 - auroc: 0.64 - ETA: 26:45 - loss: 0.4227 - acc: 0.8495 - auroc: 0.64 - ETA: 26:26 - loss: 0.42
26 - acc: 0.8495 - auroc: 0.64 - ETA: 26:06 - loss: 0.4225 - acc: 0.8496 - auroc: 0.64 - ETA: 25:4
7 - loss: 0.4225 - acc: 0.8497 - auroc: 0.64 - ETA: 25:28 - loss: 0.4233 - acc: 0.8493 - auroc: 0.
64 - ETA: 25:09 - loss: 0.4238 - acc: 0.8490 - auroc: 0.64 - ETA: 24:54 - loss: 0.4245 - acc: 0.84
86 - auroc: 0.64 - ETA: 24:38 - loss: 0.4243 - acc: 0.8486 - auroc: 0.64 - ETA: 24:22 - loss: 0.42
41 - acc: 0.8486 - auroc: 0.64 - ETA: 24:06 - loss: 0.4241 - acc: 0.8487 - auroc: 0.64 - ETA: 23:4
8 - loss: 0.4241 - acc: 0.8487 - auroc: 0.64 - ETA: 23:32 - loss: 0.4239 - acc: 0.8487 - auroc: 0.
64 - ETA: 23:15 - loss: 0.4247 - acc: 0.8483 - auroc: 0.64 - ETA: 22:55 - loss: 0.4246 - acc: 0.84
84 - auroc: 0.64 - ETA: 22:38 - loss: 0.4244 - acc: 0.8485 - auroc: 0.64 - ETA: 22:20 - loss: 0.42
42 - acc: 0.8486 - auroc: 0.64 - ETA: 22:05 - loss: 0.4247 - acc: 0.8483 - auroc: 0.64 - ETA: 21:4
7 - loss: 0.4253 - acc: 0.8479 - auroc: 0.64 - ETA: 21:30 - loss: 0.4245 - acc: 0.8483 - auroc: 0.
64 - ETA: 21:15 - loss: 0.4244 - acc: 0.8484 - auroc: 0.64 - ETA: 20:59 - loss: 0.4234 - acc: 0.84
89 - auroc: 0.64 - ETA: 20:40 - loss: 0.4232 - acc: 0.8490 - auroc: 0.64 - ETA: 20:22 - loss: 0.42
39 - acc: 0.8486 - auroc: 0.64 - ETA: 20:04 - loss: 0.4247 - acc: 0.8483 - auroc: 0.64 - ETA: 19:4
4 - loss: 0.4244 - acc: 0.8484 - auroc: 0.64 - ETA: 19:25 - loss: 0.4243 - acc: 0.8485 - auroc: 0.
64 - ETA: 19:05 - loss: 0.4242 - acc: 0.8486 - auroc: 0.64 - ETA: 18:45 - loss: 0.4245 - acc: 0.84
83 - auroc: 0.64 - ETA: 18:25 - loss: 0.4242 - acc: 0.8485 - auroc: 0.64 - ETA: 18:06 - loss: 0.42
43 - acc: 0.8485 - auroc: 0.64 - ETA: 17:46 - loss: 0.4241 - acc: 0.8486 - auroc: 0.64 - ETA: 17:2
5 - loss: 0.4244 - acc: 0.8483 - auroc: 0.64 - ETA: 17:05 - loss: 0.4248 - acc: 0.8481 - auroc: 0.
64 - ETA: 16:45 - loss: 0.4251 - acc: 0.8479 - auroc: 0.64 - ETA: 16:25 - loss: 0.4250 - acc: 0.84
78 - auroc: 0.64 - ETA: 16:05 - loss: 0.4248 - acc: 0.8480 - auroc: 0.64 - ETA: 15:45 - loss: 0.42
49 - acc: 0.8481 - auroc: 0.64 - ETA: 15:25 - loss: 0.4248 - acc: 0.8481 - auroc: 0.64 - ETA: 15:0
5 - loss: 0.4242 - acc: 0.8484 - auroc: 0.64 - ETA: 14:45 - loss: 0.4239 - acc: 0.8486 - auroc: 0.
64 - ETA: 14:25 - loss: 0.4237 - acc: 0.8486 - auroc: 0.64 - ETA: 14:05 - loss: 0.4238 - acc: 0.84
86 - auroc: 0.64 - ETA: 13:45 - loss: 0.4235 - acc: 0.8487 - auroc: 0.64 - ETA: 13:26 - loss: 0.42
31 - acc: 0.8490 - auroc: 0.64 - ETA: 13:06 - loss: 0.4230 - acc: 0.8490 - auroc: 0.64 - ETA: 12:4
6 - loss: 0.4231 - acc: 0.8489 - auroc: 0.64 - ETA: 12:26 - loss: 0.4229 - acc: 0.8490 - auroc: 0.
64 - ETA: 12:06 - loss: 0.4228 - acc: 0.8491 - auroc: 0.64 - ETA: 11:46 - loss: 0.4226 - acc: 0.84
91 - auroc: 0.64 - ETA: 11:26 - loss: 0.4224 - acc: 0.8493 - auroc: 0.64 - ETA: 11:06 - loss: 0.42
22 - acc: 0.8494 - auroc: 0.64 - ETA: 10:46 - loss: 0.4217 - acc: 0.8496 - auroc: 0.64 - ETA: 10:2
6 - loss: 0.4218 - acc: 0.8496 - auroc: 0.64 - ETA: 10:06 - loss: 0.4222 - acc: 0.8494 - auroc: 0.
64 - ETA: 9:46 - loss: 0.4224 - acc: 0.8493 - auroc: 0.6457 - ETA: 9:26 - loss: 0.4221 - acc: 0.84
94 - auroc: 0.646 - ETA: 9:06 - loss: 0.4220 - acc: 0.8495 - auroc: 0.646 - ETA: 8:46 - loss: 0.42
21 - acc: 0.8495 - auroc: 0.645 - ETA: 8:26 - loss: 0.4222 - acc: 0.8495 - auroc: 0.644 - ETA: 8:0
7 - loss: 0.4223 - acc: 0.8494 - auroc: 0.645 - ETA: 7:47 - loss: 0.4223 - acc: 0.8495 - auroc: 0.
645 - ETA: 7:27 - loss: 0.4224 - acc: 0.8494 - auroc: 0.645 - ETA: 7:07 - loss: 0.4225 - acc: 0.84
93 - auroc: 0.645 - ETA: 6:47 - loss: 0.4223 - acc: 0.8494 - auroc: 0.645 - ETA: 6:27 - loss: 0.42

22 - acc: 0.8495 - auroc: 0.644 - ETA: 6:07 - loss: 0.4219 - acc: 0.8496 - auroc: 0.644 - ETA: 5:4
8 - loss: 0.4224 - acc: 0.8493 - auroc: 0.645 - ETA: 5:28 - loss: 0.4224 - acc: 0.8493 - auroc: 0.
645 - ETA: 5:08 - loss: 0.4224 - acc: 0.8492 - auroc: 0.645 - ETA: 4:48 - loss: 0.4222 - acc: 0.84
94 - auroc: 0.645 - ETA: 4:28 - loss: 0.4224 - acc: 0.8492 - auroc: 0.645 - ETA: 4:08 - loss: 0.42
24 - acc: 0.8492 - auroc: 0.645 - ETA: 3:49 - loss: 0.4223 - acc: 0.8493 - auroc: 0.645 - ETA: 3:2
9 - loss: 0.4228 - acc: 0.8490 - auroc: 0.645 - ETA: 3:09 - loss: 0.4227 - acc: 0.8491 - auroc: 0.
645 - ETA: 2:49 - loss: 0.4228 - acc: 0.8490 - auroc: 0.645 - ETA: 2:29 - loss: 0.4228 - acc: 0.84
90 - auroc: 0.645 - ETA: 2:10 - loss: 0.4230 - acc: 0.8489 - auroc: 0.645 - ETA: 1:50 - loss: 0.42
29 - acc: 0.8489 - auroc: 0.645 - ETA: 1:30 - loss: 0.4229 - acc: 0.8488 - auroc: 0.646 - ETA: 1:1
0 - loss: 0.4232 - acc: 0.8487 - auroc: 0.645 - ETA: 50s - loss: 0.4230 - acc: 0.8488 - auroc: 0.6
46 - ETA: 30s - loss: 0.4234 - acc: 0.8485 - auroc: 0.64 - ETA: 11s - loss: 0.4233 - acc: 0.8486 -
auroc: 0.64 - 2808s 40ms/step - loss: 0.4235 - acc: 0.8486 - auroc: 0.6453 - val_loss: 0.4237 - va
l_acc: 0.8486 - val_auroc: 0.6528
Epoch 14/15
69918/69918 [==============================] - ETA: 44:26 - loss: 0.4128 - acc: 0.8574 - auroc: 0.
64 - ETA: 44:05 - loss: 0.4279 - acc: 0.8506 - auroc: 0.62 - ETA: 43:50 - loss: 0.4290 - acc: 0.84
83 - auroc: 0.63 - ETA: 43:36 - loss: 0.4191 - acc: 0.8540 - auroc: 0.63 - ETA: 43:13 - loss: 0.42
62 - acc: 0.8516 - auroc: 0.62 - ETA: 42:54 - loss: 0.4270 - acc: 0.8503 - auroc: 0.63 - ETA: 43:2
6 - loss: 0.4278 - acc: 0.8499 - auroc: 0.63 - ETA: 43:22 - loss: 0.4240 - acc: 0.8521 - auroc: 0.
63 - ETA: 43:32 - loss: 0.4304 - acc: 0.8483 - auroc: 0.63 - ETA: 43:14 - loss: 0.4324 - acc: 0.84
69 - auroc: 0.63 - ETA: 42:59 - loss: 0.4326 - acc: 0.8464 - auroc: 0.63 - ETA: 42:49 - loss: 0.43
25 - acc: 0.8470 - auroc: 0.63 - ETA: 42:35 - loss: 0.4332 - acc: 0.8462 - auroc: 0.63 - ETA: 42:1
9 - loss: 0.4309 - acc: 0.8470 - auroc: 0.64 - ETA: 42:04 - loss: 0.4312 - acc: 0.8473 - auroc: 0.
63 - ETA: 41:56 - loss: 0.4296 - acc: 0.8481 - auroc: 0.63 - ETA: 41:37 - loss: 0.4261 - acc: 0.85
03 - auroc: 0.63 - ETA: 41:16 - loss: 0.4282 - acc: 0.8491 - auroc: 0.63 - ETA: 40:52 - loss: 0.42
64 - acc: 0.8497 - auroc: 0.63 - ETA: 40:27 - loss: 0.4266 - acc: 0.8494 - auroc: 0.64 - ETA: 40:0
9 - loss: 0.4256 - acc: 0.8500 - auroc: 0.64 - ETA: 39:46 - loss: 0.4255 - acc: 0.8501 - auroc: 0.
63 - ETA: 39:21 - loss: 0.4245 - acc: 0.8509 - auroc: 0.63 - ETA: 38:57 - loss: 0.4236 - acc: 0.85
13 - auroc: 0.63 - ETA: 38:33 - loss: 0.4226 - acc: 0.8518 - auroc: 0.64 - ETA: 38:11 - loss: 0.42
19 - acc: 0.8519 - auroc: 0.64 - ETA: 37:51 - loss: 0.4222 - acc: 0.8518 - auroc: 0.64 - ETA: 37:3
6 - loss: 0.4228 - acc: 0.8516 - auroc: 0.64 - ETA: 37:23 - loss: 0.4215 - acc: 0.8525 - auroc: 0.
63 - ETA: 37:13 - loss: 0.4212 - acc: 0.8527 - auroc: 0.63 - ETA: 36:54 - loss: 0.4223 - acc: 0.85
19 - auroc: 0.64 - ETA: 36:34 - loss: 0.4232 - acc: 0.8516 - auroc: 0.63 - ETA: 36:11 - loss: 0.42
32 - acc: 0.8516 - auroc: 0.63 - ETA: 35:48 - loss: 0.4232 - acc: 0.8517 - auroc: 0.63 - ETA: 35:3
7 - loss: 0.4236 - acc: 0.8515 - auroc: 0.63 - ETA: 35:25 - loss: 0.4242 - acc: 0.8511 - auroc: 0.
63 - ETA: 35:06 - loss: 0.4248 - acc: 0.8509 - auroc: 0.63 - ETA: 34:43 - loss: 0.4247 - acc: 0.85
09 - auroc: 0.63 - ETA: 34:19 - loss: 0.4242 - acc: 0.8513 - auroc: 0.63 - ETA: 33:56 - loss: 0.42
44 - acc: 0.8512 - auroc: 0.63 - ETA: 33:38 - loss: 0.4268 - acc: 0.8497 - auroc: 0.63 - ETA: 33:1
6 - loss: 0.4263 - acc: 0.8502 - auroc: 0.63 - ETA: 32:54 - loss: 0.4264 - acc: 0.8500 - auroc: 0.
63 - ETA: 32:33 - loss: 0.4271 - acc: 0.8495 - auroc: 0.63 - ETA: 32:08 - loss: 0.4284 - acc: 0.84
85 - auroc: 0.63 - ETA: 31:43 - loss: 0.4276 - acc: 0.8490 - auroc: 0.63 - ETA: 31:19 - loss: 0.42
67 - acc: 0.8496 - auroc: 0.63 - ETA: 30:54 - loss: 0.4260 - acc: 0.8499 - auroc: 0.63 - ETA: 30:3
0 - loss: 0.4259 - acc: 0.8499 - auroc: 0.63 - ETA: 30:06 - loss: 0.4253 - acc: 0.8502 - auroc: 0.
63 - ETA: 29:43 - loss: 0.4262 - acc: 0.8496 - auroc: 0.63 - ETA: 29:19 - loss: 0.4267 - acc: 0.84
94 - auroc: 0.63 - ETA: 28:56 - loss: 0.4265 - acc: 0.8494 - auroc: 0.63 - ETA: 28:32 - loss: 0.42
64 - acc: 0.8494 - auroc: 0.63 - ETA: 28:09 - loss: 0.4255 - acc: 0.8499 - auroc: 0.64 - ETA: 27:4
6 - loss: 0.4261 - acc: 0.8496 - auroc: 0.63 - ETA: 27:24 - loss: 0.4259 - acc: 0.8496 - auroc: 0.
63 - ETA: 27:02 - loss: 0.4262 - acc: 0.8493 - auroc: 0.64 - ETA: 26:40 - loss: 0.4262 - acc: 0.84
92 - auroc: 0.64 - ETA: 26:18 - loss: 0.4258 - acc: 0.8494 - auroc: 0.64 - ETA: 25:56 - loss: 0.42
60 - acc: 0.8492 - auroc: 0.64 - ETA: 25:34 - loss: 0.4252 - acc: 0.8495 - auroc: 0.64 - ETA: 25:1
2 - loss: 0.4246 - acc: 0.8498 - auroc: 0.64 - ETA: 24:51 - loss: 0.4262 - acc: 0.8489 - auroc: 0.
64 - ETA: 24:30 - loss: 0.4260 - acc: 0.8490 - auroc: 0.64 - ETA: 24:08 - loss: 0.4257 - acc: 0.84
91 - auroc: 0.64 - ETA: 23:46 - loss: 0.4259 - acc: 0.8489 - auroc: 0.64 - ETA: 23:25 - loss: 0.42
60 - acc: 0.8488 - auroc: 0.64 - ETA: 23:05 - loss: 0.4268 - acc: 0.8484 - auroc: 0.64 - ETA: 22:5
2 - loss: 0.4268 - acc: 0.8484 - auroc: 0.64 - ETA: 22:45 - loss: 0.4261 - acc: 0.8486 - auroc: 0.
64 - ETA: 22:38 - loss: 0.4259 - acc: 0.8488 - auroc: 0.64 - ETA: 22:31 - loss: 0.4257 - acc: 0.84
89 - auroc: 0.64 - ETA: 22:28 - loss: 0.4255 - acc: 0.8491 - auroc: 0.64 - ETA: 22:23 - loss: 0.42
66 - acc: 0.8486 - auroc: 0.64 - ETA: 22:15 - loss: 0.4270 - acc: 0.8484 - auroc: 0.64 - ETA: 22:0
5 - loss: 0.4273 - acc: 0.8482 - auroc: 0.64 - ETA: 21:58 - loss: 0.4274 - acc: 0.8481 - auroc: 0.
64 - ETA: 21:50 - loss: 0.4277 - acc: 0.8479 - auroc: 0.64 - ETA: 21:41 - loss: 0.4276 - acc: 0.84
80 - auroc: 0.64 - ETA: 21:31 - loss: 0.4279 - acc: 0.8478 - auroc: 0.64 - ETA: 21:17 - loss: 0.42
79 - acc: 0.8479 - auroc: 0.64 - ETA: 21:06 - loss: 0.4274 - acc: 0.8483 - auroc: 0.64 - ETA: 20:5
5 - loss: 0.4276 - acc: 0.8481 - auroc: 0.64 - ETA: 20:40 - loss: 0.4276 - acc: 0.8482 - auroc: 0.
64 - ETA: 20:28 - loss: 0.4276 - acc: 0.8482 - auroc: 0.64 - ETA: 20:12 - loss: 0.4272 - acc: 0.84
84 - auroc: 0.64 - ETA: 19:58 - loss: 0.4272 - acc: 0.8484 - auroc: 0.64 - ETA: 19:44 - loss: 0.42
70 - acc: 0.8485 - auroc: 0.64 - ETA: 19:30 - loss: 0.4272 - acc: 0.8483 - auroc: 0.64 - ETA: 19:1
3 - loss: 0.4268 - acc: 0.8485 - auroc: 0.64 - ETA: 18:55 - loss: 0.4265 - acc: 0.8487 - auroc: 0.
64 - ETA: 18:36 - loss: 0.4264 - acc: 0.8488 - auroc: 0.64 - ETA: 18:16 - loss: 0.4267 - acc: 0.84
87 - auroc: 0.64 - ETA: 17:55 - loss: 0.4271 - acc: 0.8484 - auroc: 0.64 - ETA: 17:35 - loss: 0.42
71 - acc: 0.8484 - auroc: 0.64 - ETA: 17:14 - loss: 0.4268 - acc: 0.8485 - auroc: 0.64 - ETA: 16:5
2 - loss: 0.4266 - acc: 0.8487 - auroc: 0.64 - ETA: 16:31 - loss: 0.4268 - acc: 0.8487 - auroc: 0.
64 - ETA: 16:09 - loss: 0.4266 - acc: 0.8489 - auroc: 0.64 - ETA: 15:48 - loss: 0.4270 - acc: 0.84
87 - auroc: 0.64 - ETA: 15:27 - loss: 0.4274 - acc: 0.8485 - auroc: 0.64 - ETA: 15:05 - loss: 0.42
71 - acc: 0.8488 - auroc: 0.64 - ETA: 14:42 - loss: 0.4272 - acc: 0.8488 - auroc: 0.64 - ETA: 14:1
8 - loss: 0.4272 - acc: 0.8488 - auroc: 0.64 - ETA: 13:53 - loss: 0.4272 - acc: 0.8489 - auroc: 0.
64 - ETA: 13:29 - loss: 0.4267 - acc: 0.8491 - auroc: 0.64 - ETA: 13:05 - loss: 0.4270 - acc: 0.84
91 - auroc: 0.64 - ETA: 12:41 - loss: 0.4273 - acc: 0.8489 - auroc: 0.64 - ETA: 12:16 - loss: 0.42

73 - acc: 0.8490 - auroc: 0.64 - ETA: 11:52 - loss: 0.4278 - acc: 0.8487 - auroc: 0.64 - ETA: 11:2
8 - loss: 0.4277 - acc: 0.8488 - auroc: 0.64 - ETA: 11:03 - loss: 0.4280 - acc: 0.8489 - auroc: 0.
63 - ETA: 10:38 - loss: 0.4280 - acc: 0.8490 - auroc: 0.63 - ETA: 10:12 - loss: 0.4280 - acc: 0.84
90 - auroc: 0.63 - ETA: 9:45 - loss: 0.4284 - acc: 0.8488 - auroc: 0.6382 - ETA: 9:18 - loss: 0.42
89 - acc: 0.8487 - auroc: 0.637 - ETA: 8:51 - loss: 0.4285 - acc: 0.8490 - auroc: 0.637 - ETA: 8:2
4 - loss: 0.4285 - acc: 0.8490 - auroc: 0.637 - ETA: 7:56 - loss: 0.4287 - acc: 0.8489 - auroc: 0.
637 - ETA: 7:29 - loss: 0.4290 - acc: 0.8488 - auroc: 0.636 - ETA: 7:01 - loss: 0.4294 - acc: 0.84
86 - auroc: 0.636 - ETA: 6:34 - loss: 0.4293 - acc: 0.8487 - auroc: 0.636 - ETA: 6:05 - loss: 0.42
95 - acc: 0.8487 - auroc: 0.635 - ETA: 5:37 - loss: 0.4295 - acc: 0.8488 - auroc: 0.635 - ETA: 5:0
9 - loss: 0.4297 - acc: 0.8486 - auroc: 0.635 - ETA: 4:40 - loss: 0.4297 - acc: 0.8487 - auroc: 0.
635 - ETA: 4:11 - loss: 0.4301 - acc: 0.8485 - auroc: 0.635 - ETA: 3:43 - loss: 0.4298 - acc: 0.84
87 - auroc: 0.635 - ETA: 3:14 - loss: 0.4295 - acc: 0.8488 - auroc: 0.635 - ETA: 2:45 - loss: 0.42
98 - acc: 0.8487 - auroc: 0.635 - ETA: 2:15 - loss: 0.4301 - acc: 0.8486 - auroc: 0.634 - ETA: 1:4
6 - loss: 0.4300 - acc: 0.8486 - auroc: 0.634 - ETA: 1:16 - loss: 0.4301 - acc: 0.8486 - auroc: 0.
634 - ETA: 46s - loss: 0.4302 - acc: 0.8486 - auroc: 0.634 - ETA: 16s - loss: 0.4300 - acc: 0.8486
- auroc: 0.63 - 4307s 62ms/step - loss: 0.4300 - acc: 0.8486 - auroc: 0.6352 - val_loss: 0.4269 -
val_acc: 0.8486 - val_auroc: 0.6501
Epoch 15/15
69918/69918 [==============================] - ETA: 1:23:08 - loss: 0.3849 - acc: 0.8730 - auroc:
0.65 - ETA: 1:21:20 - loss: 0.3983 - acc: 0.8672 - auroc: 0.62 - ETA: 1:20:26 - loss: 0.4209 - acc
: 0.8535 - auroc: 0.62 - ETA: 1:19:52 - loss: 0.4225 - acc: 0.8530 - auroc: 0.62 - ETA: 1:19:05 -
loss: 0.4229 - acc: 0.8516 - auroc: 0.63 - ETA: 1:18:32 - loss: 0.4260 - acc: 0.8490 - auroc: 0.64
- ETA: 1:17:51 - loss: 0.4296 - acc: 0.8477 - auroc: 0.63 - ETA: 1:17:12 - loss: 0.4281 - acc: 0.8
479 - auroc: 0.64 - ETA: 1:16:38 - loss: 0.4269 - acc: 0.8483 - auroc: 0.64 - ETA: 1:15:47 - loss:
0.4257 - acc: 0.8490 - auroc: 0.64 - ETA: 1:15:02 - loss: 0.4220 - acc: 0.8510 - auroc: 0.64 - ETA
: 1:14:16 - loss: 0.4240 - acc: 0.8506 - auroc: 0.63 - ETA: 1:13:31 - loss: 0.4230 - acc: 0.8511 -
auroc: 0.64 - ETA: 1:13:02 - loss: 0.4235 - acc: 0.8507 - auroc: 0.64 - ETA: 1:12:26 - loss: 0.420
8 - acc: 0.8523 - auroc: 0.64 - ETA: 1:11:51 - loss: 0.4215 - acc: 0.8516 - auroc: 0.64 - ETA: 1:1
1:13 - loss: 0.4235 - acc: 0.8505 - auroc: 0.64 - ETA: 1:10:34 - loss: 0.4220 - acc: 0.8515 - auro
c: 0.64 - ETA: 1:09:55 - loss: 0.4199 - acc: 0.8521 - auroc: 0.65 - ETA: 1:09:16 - loss: 0.4199 -
acc: 0.8519 - auroc: 0.65 - ETA: 1:08:35 - loss: 0.4197 - acc: 0.8520 - auroc: 0.65 - ETA: 1:07:55
- loss: 0.4194 - acc: 0.8525 - auroc: 0.65 - ETA: 1:07:16 - loss: 0.4207 - acc: 0.8521 - auroc: 0.
65 - ETA: 1:06:38 - loss: 0.4222 - acc: 0.8512 - auroc: 0.65 - ETA: 1:06:03 - loss: 0.4246 - acc:
0.8496 - auroc: 0.65 - ETA: 1:05:26 - loss: 0.4243 - acc: 0.8499 - auroc: 0.65 - ETA: 1:04:47 - lo
ss: 0.4244 - acc: 0.8498 - auroc: 0.65 - ETA: 1:04:11 - loss: 0.4249 - acc: 0.8497 - auroc: 0.65 -
ETA: 1:03:34 - loss: 0.4253 - acc: 0.8495 - auroc: 0.65 - ETA: 1:02:56 - loss: 0.4239 - acc: 0.850
5 - auroc: 0.64 - ETA: 1:02:19 - loss: 0.4239 - acc: 0.8506 - auroc: 0.64 - ETA: 1:01:42 - loss: 0
.4246 - acc: 0.8500 - auroc: 0.65 - ETA: 1:01:04 - loss: 0.4249 - acc: 0.8498 - auroc: 0.65 - ETA:
1:00:26 - loss: 0.4245 - acc: 0.8500 - auroc: 0.65 - ETA: 59:49 - loss: 0.4259 - acc: 0.8492 - aur
oc: 0.6500 - ETA: 59:13 - loss: 0.4267 - acc: 0.8488 - auroc: 0.64 - ETA: 58:36 - loss: 0.4263 - a
cc: 0.8490 - auroc: 0.65 - ETA: 58:00 - loss: 0.4266 - acc: 0.8488 - auroc: 0.65 - ETA: 57:25 - lo
ss: 0.4258 - acc: 0.8493 - auroc: 0.65 - ETA: 56:49 - loss: 0.4262 - acc: 0.8490 - auroc: 0.65 - E
TA: 56:13 - loss: 0.4253 - acc: 0.8495 - auroc: 0.65 - ETA: 55:37 - loss: 0.4258 - acc: 0.8494 - a
uroc: 0.65 - ETA: 55:02 - loss: 0.4250 - acc: 0.8500 - auroc: 0.64 - ETA: 54:27 - loss: 0.4237 - a
cc: 0.8507 - auroc: 0.64 - ETA: 53:51 - loss: 0.4237 - acc: 0.8508 - auroc: 0.64 - ETA: 53:14 - lo
ss: 0.4240 - acc: 0.8506 - auroc: 0.64 - ETA: 52:38 - loss: 0.4243 - acc: 0.8506 - auroc: 0.64 - E
TA: 52:02 - loss: 0.4248 - acc: 0.8501 - auroc: 0.64 - ETA: 51:25 - loss: 0.4248 - acc: 0.8501 - a
uroc: 0.64 - ETA: 50:49 - loss: 0.4251 - acc: 0.8500 - auroc: 0.64 - ETA: 50:14 - loss: 0.4254 - a
cc: 0.8499 - auroc: 0.64 - ETA: 49:39 - loss: 0.4258 - acc: 0.8497 - auroc: 0.64 - ETA: 49:02 - lo
ss: 0.4258 - acc: 0.8497 - auroc: 0.64 - ETA: 48:26 - loss: 0.4259 - acc: 0.8496 - auroc: 0.64 - E
TA: 47:50 - loss: 0.4272 - acc: 0.8489 - auroc: 0.64 - ETA: 47:16 - loss: 0.4276 - acc: 0.8486 - a
uroc: 0.64 - ETA: 46:40 - loss: 0.4272 - acc: 0.8490 - auroc: 0.64 - ETA: 46:05 - loss: 0.4268 - a
cc: 0.8493 - auroc: 0.64 - ETA: 45:29 - loss: 0.4277 - acc: 0.8488 - auroc: 0.64 - ETA: 44:55 - lo
ss: 0.4274 - acc: 0.8489 - auroc: 0.64 - ETA: 44:20 - loss: 0.4280 - acc: 0.8486 - auroc: 0.64 - E
TA: 43:46 - loss: 0.4280 - acc: 0.8486 - auroc: 0.64 - ETA: 43:11 - loss: 0.4281 - acc: 0.8486 - a
uroc: 0.64 - ETA: 42:37 - loss: 0.4275 - acc: 0.8489 - auroc: 0.64 - ETA: 42:02 - loss: 0.4272 - a
cc: 0.8491 - auroc: 0.64 - ETA: 41:28 - loss: 0.4272 - acc: 0.8490 - auroc: 0.64 - ETA: 40:53 - lo
ss: 0.4274 - acc: 0.8488 - auroc: 0.64 - ETA: 40:19 - loss: 0.4275 - acc: 0.8487 - auroc: 0.64 - E
TA: 39:44 - loss: 0.4281 - acc: 0.8484 - auroc: 0.64 - ETA: 39:11 - loss: 0.4284 - acc: 0.8482 - a
uroc: 0.64 - ETA: 38:36 - loss: 0.4289 - acc: 0.8480 - auroc: 0.64 - ETA: 38:01 - loss: 0.4292 - a
cc: 0.8478 - auroc: 0.64 - ETA: 37:26 - loss: 0.4295 - acc: 0.8476 - auroc: 0.64 - ETA: 36:51 - lo
ss: 0.4290 - acc: 0.8481 - auroc: 0.64 - ETA: 36:17 - loss: 0.4284 - acc: 0.8484 - auroc: 0.64 - E
TA: 35:42 - loss: 0.4286 - acc: 0.8483 - auroc: 0.64 - ETA: 35:07 - loss: 0.4287 - acc: 0.8483 - a
uroc: 0.64 - ETA: 34:32 - loss: 0.4290 - acc: 0.8480 - auroc: 0.64 - ETA: 33:58 - loss: 0.4287 - a
cc: 0.8481 - auroc: 0.64 - ETA: 33:22 - loss: 0.4285 - acc: 0.8482 - auroc: 0.64 - ETA: 32:48 - lo
ss: 0.4285 - acc: 0.8483 - auroc: 0.64 - ETA: 32:13 - loss: 0.4281 - acc: 0.8485 - auroc: 0.64 - E
TA: 31:38 - loss: 0.4284 - acc: 0.8484 - auroc: 0.64 - ETA: 31:03 - loss: 0.4279 - acc: 0.8487 - a
uroc: 0.64 - ETA: 30:28 - loss: 0.4278 - acc: 0.8488 - auroc: 0.64 - ETA: 29:54 - loss: 0.4279 - a
cc: 0.8488 - auroc: 0.64 - ETA: 29:19 - loss: 0.4274 - acc: 0.8491 - auroc: 0.64 - ETA: 28:44 - lo
ss: 0.4278 - acc: 0.8489 - auroc: 0.64 - ETA: 28:10 - loss: 0.4275 - acc: 0.8491 - auroc: 0.64 - E
TA: 27:33 - loss: 0.4275 - acc: 0.8492 - auroc: 0.64 - ETA: 26:58 - loss: 0.4276 - acc: 0.8491 - a
uroc: 0.64 - ETA: 26:22 - loss: 0.4270 - acc: 0.8494 - auroc: 0.64 - ETA: 25:46 - loss: 0.4266 - a
cc: 0.8497 - auroc: 0.64 - ETA: 25:11 - loss: 0.4268 - acc: 0.8495 - auroc: 0.64 - ETA: 24:35 - lo
ss: 0.4273 - acc: 0.8492 - auroc: 0.64 - ETA: 23:59 - loss: 0.4267 - acc: 0.8495 - auroc: 0.64 - E
TA: 23:23 - loss: 0.4267 - acc: 0.8496 - auroc: 0.64 - ETA: 22:49 - loss: 0.4266 - acc: 0.8496 - a
uroc: 0.64 - ETA: 22:16 - loss: 0.4266 - acc: 0.8496 - auroc: 0.64 - ETA: 21:43 - loss: 0.4268 - a
cc: 0.8495 - auroc: 0.64 - ETA: 21:08 - loss: 0.4266 - acc: 0.8496 - auroc: 0.64 - ETA: 20:35 - lo

ss: 0.4264 - acc: 0.8496 - auroc: 0.64 - ETA: 20:01 - loss: 0.4263 - acc: 0.8496 - auroc: 0.64 - E
TA: 19:26 - loss: 0.4269 - acc: 0.8493 - auroc: 0.64 - ETA: 18:52 - loss: 0.4273 - acc: 0.8491 - a
uroc: 0.64 - ETA: 18:18 - loss: 0.4274 - acc: 0.8490 - auroc: 0.64 - ETA: 17:45 - loss: 0.4276 - a
cc: 0.8489 - auroc: 0.64 - ETA: 17:11 - loss: 0.4276 - acc: 0.8488 - auroc: 0.64 - ETA: 16:36 - lo
ss: 0.4278 - acc: 0.8488 - auroc: 0.64 - ETA: 16:00 - loss: 0.4274 - acc: 0.8490 - auroc: 0.64 - E
TA: 15:25 - loss: 0.4279 - acc: 0.8488 - auroc: 0.64 - ETA: 14:49 - loss: 0.4276 - acc: 0.8490 - a
uroc: 0.64 - ETA: 14:15 - loss: 0.4277 - acc: 0.8489 - auroc: 0.64 - ETA: 13:40 - loss: 0.4276 - a
cc: 0.8489 - auroc: 0.64 - ETA: 13:05 - loss: 0.4276 - acc: 0.8489 - auroc: 0.64 - ETA: 12:29 - lo
ss: 0.4276 - acc: 0.8489 - auroc: 0.64 - ETA: 11:54 - loss: 0.4276 - acc: 0.8490 - auroc: 0.64 - E
TA: 11:18 - loss: 0.4274 - acc: 0.8491 - auroc: 0.64 - ETA: 10:43 - loss: 0.4272 - acc: 0.8492 - a
uroc: 0.64 - ETA: 10:07 - loss: 0.4270 - acc: 0.8494 - auroc: 0.64 - ETA: 9:32 - loss: 0.4270 - ac
c: 0.8493 - auroc: 0.6440 - ETA: 8:55 - loss: 0.4269 - acc: 0.8494 - auroc: 0.644 - ETA: 8:19 - lo
ss: 0.4271 - acc: 0.8492 - auroc: 0.643 - ETA: 7:42 - loss: 0.4274 - acc: 0.8491 - auroc: 0.643 -
ETA: 7:05 - loss: 0.4275 - acc: 0.8490 - auroc: 0.643 - ETA: 6:29 - loss: 0.4275 - acc: 0.8490 - a
uroc: 0.643 - ETA: 5:52 - loss: 0.4271 - acc: 0.8493 - auroc: 0.643 - ETA: 5:16 - loss: 0.4273 - a
cc: 0.8492 - auroc: 0.642 - ETA: 4:39 - loss: 0.4273 - acc: 0.8492 - auroc: 0.642 - ETA: 4:02 - lo
ss: 0.4274 - acc: 0.8491 - auroc: 0.642 - ETA: 3:25 - loss: 0.4277 - acc: 0.8490 - auroc: 0.642 -
ETA: 2:48 - loss: 0.4276 - acc: 0.8491 - auroc: 0.641 - ETA: 2:11 - loss: 0.4276 - acc: 0.8491 - a
uroc: 0.641 - ETA: 1:34 - loss: 0.4280 - acc: 0.8489 - auroc: 0.641 - ETA: 57s - loss: 0.4280 - ac
c: 0.8488 - auroc: 0.641 - ETA: 20s - loss: 0.4283 - acc: 0.8486 - auroc: 0.64 - 5247s 75ms/step -
loss: 0.4283 - acc: 0.8486 - auroc: 0.6413 - val_loss: 0.4253 - val_acc: 0.8486 - val_auroc: 0.648
2

In [78]:

```
result = model_2.evaluate({'text_input': essay_padded_test, 'school_state': x_test_state,
'project_grade_category': x_test_grade,'clean_categories':
x_test_cat,'clean_subcategories':x_test_scat, 'teacher_prefix':x_test_teacher_prefix,
'input_layer_num':input_test},
            y_binary_test,batch_size=batch_size)
```

21850/21850 [==============================] - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - E
TA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 2: - ETA: 2: - ETA: 2: -
ETA: 2: - ETA: 2: - ETA: 2: - ETA: 2: - ETA: 2: - ETA: 2: - ETA: 2: - ETA: 1: - ETA: 1: - ETA: 1:
- ETA: 1: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 53s - ETA:
47 - ETA: 41 - ETA: 35 - ETA: 28 - ETA: 22 - ETA: 16 - ETA: 10 - ETA: 4 - 264s 12ms/step

In [83]:

```
print("val_auroc of test data :",result[2])
```

val_auroc of test data : 0.6458422325660522

In [84]:

```
%matplotlib notebook
%matplotlib inline
```

In [85]:

```
def plt_dynamic(x, vy, ty, ax, colors=['b']):
    ax.plot(x, vy, 'b', label="Validation Loss")
    ax.plot(x, ty, 'r', label="Train Loss")
    plt.legend()
    plt.grid()
    fig.canvas.draw()
```

In [89]:

```
fig,ax = plt.subplots(1,1)
ax.set_xlabel('epoch') ; ax.set_ylabel('binary Crossentropy Loss')

# list of epoch numbers
x = list(range(1,16))

# print(history.history.keys())
# dict_keys(['val_loss', 'val_acc', 'loss', 'acc'])
# history = model_drop.fit(X_train, Y_train, batch_size=batch_size, epochs=nb_epoch, verbose=1, va
lidation_data=(X_test, Y_test))
```

```
# we will get val_loss and val_acc only when you pass the paramter validation_data
# val_loss : validation loss
# val_acc : validation accuracy

# loss : training loss
# acc : train accuracy
# for each key in histrory.histrory we will have a list of length equal to number of epochs


vy = history_2.history['val_loss']
ty = history_2.history['loss']
plt_dynamic(x, vy, ty, ax)
```


In [90]:

```python
def plt_dynamic_auc(x, vy, ty, ax, colors=['b']):
    ax.plot(x, vy, 'b', label="Validation auc")
    ax.plot(x, ty, 'r', label="Train auc")
    plt.legend()
    plt.grid()
    fig.canvas.draw()
```

In [93]:

```python
fig,ax = plt.subplots(1,1)
ax.set_xlabel('epoch') ; ax.set_ylabel('auc')

# list of epoch numbers
x = list(range(1,16))

# print(history.history.keys())
# dict_keys(['val_loss', 'val_acc', 'loss', 'acc'])
# history = model_drop.fit(X_train, Y_train, batch_size=batch_size, epochs=nb_epoch, verbose=1, va
lidation_data=(X_test, Y_test))

# we will get val_loss and val_acc only when you pass the paramter validation_data
# val_loss : validation loss
# val_acc : validation accuracy

# loss : training loss
# acc : train accuracy
# for each key in histrory.histrory we will have a list of length equal to number of epochs


vy = history_2.history['val_auroc']
ty = history_2.history['auroc']
plt_dynamic_auc(x, vy, ty, ax)
```
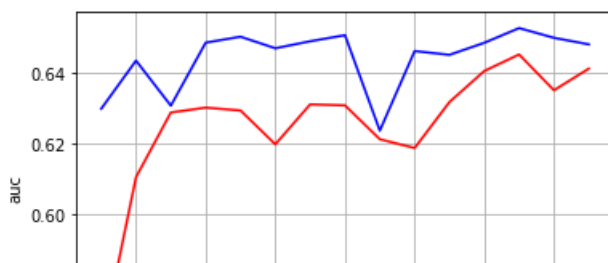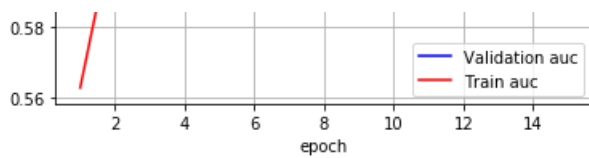
Model 3

```python
vectorizer = CountVectorizer(binary=True)
vectorizer.fit(x_train['teacher_prefix'].values)
x_train_teacher_prefix = vectorizer.transform(x_train['teacher_prefix'].values)
x_cv_teacher_prefix = vectorizer.transform(x_cv['teacher_prefix'].values)
x_test_teacher_prefix = vectorizer.transform(x_test['teacher_prefix'].values)
teacher_prefix_f=vectorizer.get_feature_names()
print("After vectorizations of teacher_prefix")
print(x_train_teacher_prefix.shape, y_train.shape)
print(x_cv_teacher_prefix.shape, y_cv.shape)
print(x_test_teacher_prefix.shape, y_test.shape)
print(vectorizer.get_feature_names())

print("=========================================================")

#vectorizer = CountVectorizer()
vectorizer.fit(x_train['school_state'].values)
x_train_state = vectorizer.transform(x_train['school_state'].values)
x_cv_state = vectorizer.transform(x_cv['school_state'].values)
x_test_state = vectorizer.transform(x_test['school_state'].values)
state_f=vectorizer.get_feature_names()
print("After vectorizations of school_state")
print(x_train_state.shape, y_train.shape)
print(x_cv_state.shape, y_cv.shape)
print(x_test_state.shape, y_test.shape)
print(vectorizer.get_feature_names())
print("=========================================================")

#vectorizer = CountVectorizer()
vectorizer.fit(['grades_3_5', 'grades_6_8', 'grades_9_12', 'grades_prek_2'])
x_train_grade = vectorizer.transform(x_train['project_grade_category'].values)
x_cv_grade = vectorizer.transform(x_cv['project_grade_category'].values)
x_test_grade = vectorizer.transform(x_test['project_grade_category'].values)
teacher_grade_f=vectorizer.get_feature_names()
print("After vectorizations of project_grade_category")
print(x_train_grade.shape, y_train.shape)
print(x_cv_grade.shape, y_cv.shape)
print(x_test_grade.shape, y_test.shape)
print(vectorizer.get_feature_names())

print("=========================================================")

#vectorizer = CountVectorizer()
vectorizer.fit(x_train['clean_categories'].values)
x_train_cat = vectorizer.transform(x_train['clean_categories'].values)
x_cv_cat = vectorizer.transform(x_cv['clean_categories'].values)
x_test_cat = vectorizer.transform(x_test['clean_categories'].values)
teacher_cat_f=vectorizer.get_feature_names()
print("After vectorizations of clean_categories")
print(x_train_cat.shape, y_train.shape)
print(x_cv_cat.shape, y_cv.shape)
print(x_test_cat.shape, y_test.shape)
print(vectorizer.get_feature_names())

print("=========================================================")

#vectorizer = CountVectorizer()
vectorizer.fit(x_train['clean_subcategories'].values)
x_train_scat = vectorizer.transform(x_train['clean_subcategories'].values)
x_cv_scat = vectorizer.transform(x_cv['clean_subcategories'].values)
x_test_scat = vectorizer.transform(x_test['clean_subcategories'].values)
teacher_scat_f=vectorizer.get_feature_names()
print("After vectorizations of clean_subcategories ")
print(x_train_scat.shape, y_train.shape)
print(x_cv_scat.shape, y_cv.shape)
```

```
print(x_test_scat.shape, y_test.shape)
print(vectorizer.get_feature_names())

print("=======================================================")
```

```
After vectorizations of teacher_prefix
(69918, 5) (69918,)
(17480, 5) (17480,)
(21850, 5) (21850,)
['dr', 'mr', 'mrs', 'ms', 'teacher']
=======================================================
After vectorizations of school_state
(69918, 51) (69918,)
(17480, 51) (17480,)
(21850, 51) (21850,)
['ak', 'al', 'ar', 'az', 'ca', 'co', 'ct', 'dc', 'de', 'fl', 'ga', 'hi', 'ia', 'id', 'il', 'in', 'k
s', 'ky', 'la', 'ma', 'md', 'me', 'mi', 'mn', 'mo', 'ms', 'mt', 'nc', 'nd', 'ne', 'nh', 'nj', 'nm',
'nv', 'ny', 'oh', 'ok', 'or', 'pa', 'ri', 'sc', 'sd', 'tn', 'tx', 'ut', 'va', 'vt', 'wa', 'wi', 'wv
', 'wy']
=======================================================
After vectorizations of project_grade_category
(69918, 4) (69918,)
(17480, 4) (17480,)
(21850, 4) (21850,)
['grades_3_5', 'grades_6_8', 'grades_9_12', 'grades_prek_2']
=======================================================
After vectorizations of clean_categories
(69918, 9) (69918,)
(17480, 9) (17480,)
(21850, 9) (21850,)
['appliedlearning', 'care_hunger', 'health_sports', 'history_civics', 'literacy_language',
'math_science', 'music_arts', 'specialneeds', 'warmth']
=======================================================
After vectorizations of clean_subcategories
(69918, 30) (69918,)
(17480, 30) (17480,)
(21850, 30) (21850,)
['appliedsciences', 'care_hunger', 'charactereducation', 'civics_government',
'college_careerprep', 'communityservice', 'earlydevelopment', 'economics', 'environmentalscience',
'esl', 'extracurricular', 'financialliteracy', 'foreignlanguages', 'gym_fitness',
'health_lifescience', 'health_wellness', 'history_geography', 'literacy', 'literature_writing', 'm
athematics', 'music', 'nutritioneducation', 'other', 'parentinvolvement', 'performingarts', 'socia
lsciences', 'specialneeds', 'teamsports', 'visualarts', 'warmth']
=======================================================
```

In [28]:

```
input_train = np.concatenate((x_train['quantity'].values.reshape(-1,1),x_train['price'].values.resh
ape(-1,1),x_train['teacher_number_of_previously_posted_projects'].values.reshape(-1,1)), axis=1)
input_cv = np.concatenate((x_cv['quantity'].values.reshape(-1,1),x_cv['price'].values.reshape(-1,1)
,x_cv['teacher_number_of_previously_posted_projects'].values.reshape(-1,1)), axis=1)
input_test = np.concatenate((x_test['quantity'].values.reshape(-1,1),x_test['price'].values.reshape
(-1,1),x_test['teacher_number_of_previously_posted_projects'].values.reshape(-1,1)), axis=1)
```

In [31]:

```
x_tr_rem = hstack((x_train_state, x_train_teacher_prefix, x_train_grade,x_train_scat,x_train_cat, i
nput_train)).todense()
x_cv_rem = hstack(( x_cv_state, x_cv_teacher_prefix, x_cv_grade,x_cv_scat,x_cv_cat, input_cv)).tode
nse()
x_te_rem = hstack((x_test_state, x_test_teacher_prefix, x_test_grade,x_test_scat,x_test_cat, input_
test)).todense()
print("Final Data matrix")
print(x_tr_rem.shape, y_train.shape)
print(x_cv_rem.shape, y_cv.shape)
print(x_te_rem.shape, y_test.shape)
print("="*100)
```

```
Final Data matrix
(69918, 102) (69918,)
(17480, 102) (17480,)
(21850, 102) (21850,)
=====================================================================================================
```

In [32]:

```
std_scr = StandardScaler().fit(x_tr_rem)
x_train_rem_std = std_scr.transform(x_tr_rem)
x_cv_rem_std = std_scr.transform(x_cv_rem)
x_test_rem_std = std_scr.transform(x_te_rem)
```

In [35]:

```
x_train_rem_std.shape
```

Out[35]:

```
(69918, 102)
```

In [74]:

```
x_train_rem_reshape = np.stack(x_tr_rem)
x_cv_rem_reshape = np.stack(x_cv_rem)
x_test_rem_reshape = np.stack(x_te_rem)
```

In [76]:

```
x_tr_rem = np.array(x_train_rem_reshape).reshape(69918,102,1)
x_cv_rem = np.array(x_cv_rem_reshape).reshape(17480,102,1)
x_te_rem = np.array(x_test_rem_reshape).reshape(21850,102,1)
```

In [77]:

```
print(x_tr_rem.shape, x_cv_rem.shape, x_te_rem.shape)
```

```
(69918, 102, 1) (17480, 102, 1) (21850, 102, 1)
```

In [39]:

```
max_length=400
```

In [40]:

```
#https://machinelearningmastery.com/use-word-embedding-layers-deep-learning-keras/
def padded(encoded_docs):
    max_length = 400
    padded_docs = pad_sequences(encoded_docs, maxlen=max_length, padding='post')
    return padded_docs
```

In [41]:

```
#https://stackoverflow.com/posts/51956230/revisions
t = Tokenizer()
t.fit_on_texts(x_train.clean_essay)
vocab_size = len(t.word_index) + 1
# integer encode the documents
encoded_docs = t.texts_to_sequences(x_train.clean_essay)
essay_padded_train = padded(encoded_docs)
```

In [42]:

```
encoded_docs = t.texts_to_sequences(x_cv.clean_essay)
essay_padded_cv = padded(encoded_docs)
```

In [43]:

```
encoded_docs = t.texts_to_sequences(x_test.clean_essay)
essay_padded_test = padded(encoded_docs)
```

In [44]:

```
print("encoded train data shape",essay_padded_train.shape)
print("encoded cv data shape",essay_padded_cv.shape)
print("encoded cv data shape",essay_padded_test.shape)
```

```
encoded train data shape (69918, 400)
encoded cv data shape (17480, 400)
encoded cv data shape (21850, 400)
```

In [45]:

```
embeddings_index = dict()
f = open('glove.6B.50d.txt', encoding='utf8')
for line in f:
    values = line.split()
    word = values[0]
    coefs = asarray(values[1:], dtype='float32')
    embeddings_index[word] = coefs
f.close()
```

In [46]:

```
embedding_matrix = zeros((vocab_size, 50))
for word, i in t.word_index.items():
    embedding_vector = embeddings_index.get(word)
    if embedding_vector is not None:
        embedding_matrix[i] = embedding_vector
```

In [47]:

```
print("embedding matrix shape",embedding_matrix.shape)
```

```
embedding matrix shape (47501, 50)
```

In [48]:

```
y_binary_train = to_categorical(y_train)
y_binary_cv = to_categorical(y_cv)
y_binary_test = to_categorical(y_test)
```

In [78]:

```
text_input = Input(shape=(400,), name = "text_input")
# max_length = 150 ---->max length of sentence

e1 = Embedding(vocab_size, 50, weights=[embedding_matrix], input_length=400)(text_input)
l1= LSTM(128,activation = "relu",dropout=0.5,kernel_regularizer=l2(0.001),kernel_initializer='gloro
t_normal',return_sequences=True,input_shape=(150,300))(e1)
f1= Flatten()(l1)

rem = Input(shape=(x_tr_rem.shape[1],1), name="rem")
rem_conv1 = Conv1D(128, 3,kernel_initializer='glorot_normal')(rem)
rem_conv2 =Conv1D(64, 3, activation='relu',kernel_initializer='glorot_normal' )(rem_conv1)
f2= Flatten()(rem_conv2)

x = concatenate([f1,f2])

x= Dense(32,kernel_regularizer=l2(0.001),kernel_initializer='glorot_normal')(x)
x= Dropout(0.5)(x)
x= Dense(16, activation='relu')(x)
x= Dropout(0.3)(x)
output=Dense(2, activation='softmax')(x)
model_3 = Model(inputs=[text_input,rem], outputs=output)
model_3.summary()
```

```
_____
Layer (type)                   Output Shape          Param #       Connected to
==============================================================================================
```

```
text_input (InputLayer)            (None, 400)           0

rem (InputLayer)                   (None, 102, 1)        0

embedding_6 (Embedding)            (None, 400, 50)       2375050       text_input[0][0]

conv1d_7 (Conv1D)                  (None, 100, 128)      512           rem[0][0]

lstm_5 (LSTM)                      (None, 400, 128)      91648         embedding_6[0][0]

conv1d_8 (Conv1D)                  (None, 98, 64)        24640         conv1d_7[0][0]

flatten_8 (Flatten)                (None, 51200)         0             lstm_5[0][0]

flatten_9 (Flatten)                (None, 6272)          0             conv1d_8[0][0]

concatenate_2 (Concatenate)        (None, 57472)         0             flatten_8[0][0]
                                                                       flatten_9[0][0]

dense_4 (Dense)                    (None, 32)            1839136       concatenate_2[0][0]

dropout_3 (Dropout)                (None, 32)            0             dense_4[0][0]

dense_5 (Dense)                    (None, 16)            528           dropout_3[0][0]

dropout_4 (Dropout)                (None, 16)            0             dense_5[0][0]

dense_6 (Dense)                    (None, 2)             34            dropout_4[0][0]
=================================================================================
Total params: 4,331,548
Trainable params: 4,331,548
Non-trainable params: 0
_____
```

In [57]:

```python
#https://machinelearningmastery.com/visualize-deep-learning-neural-network-model-keras/
from keras.utils.vis_utils import plot_model
plot_model(model_3, to_file='model_2.png', show_shapes=True, show_layer_names=True)
```

In [58]:

```python
def auroc(y_true, y_pred):
    return tf.py_func(roc_auc_score, (y_true, y_pred), tf.double)
```

In [59]:

```python
batch_size=512
```

In [79]:

```python
model_3.compile(optimizer=tf.train.AdamOptimizer(),
loss='categorical_crossentropy',metrics=['accuracy', auroc])
```

In [80]:

```python
log_dir="logs/fit/" + datetime.datetime.now().strftime("%Y%m%d-%H%M%S")
tensorboard = TensorBoard(log_dir= log_dir)
```

In [81]:

```python
callbacks_list = [tensorboard]
```

In [82]:

```python
history_3= model_3.fit({'text_input': essay_padded_train, 'rem':x_tr_rem},y_binary_train,
        epochs=15, batch_size=batch_size,verbose=1, validation_data=({'text_input':
essay_padded_cv, 'rem': x_cv_rem},
```

```
            y_binary_cv),callbacks=callbacks_list)
```

Train on 69918 samples, validate on 17480 samples

```
Epoch 1/15
69918/69918 [==============================] - ETA: 29:36 - loss: 1.3349 - acc: 0.5703 - auroc: 0.
44 - ETA: 22:24 - loss: 2.0543 - acc: 0.6904 - auroc: 0.47 - ETA: 20:07 - loss: 2.1640 - acc: 0.74
35 - auroc: 0.48 - ETA: 19:34 - loss: 2.1664 - acc: 0.7725 - auroc: 0.48 - ETA: 19:36 - loss: 2.25
87 - acc: 0.7824 - auroc: 0.49 - ETA: 19:55 - loss: 2.2786 - acc: 0.7933 - auroc: 0.48 - ETA: 20:2
9 - loss: 2.3032 - acc: 0.7999 - auroc: 0.47 - ETA: 21:04 - loss: 2.3236 - acc: 0.8040 - auroc: 0.
48 - ETA: 21:41 - loss: 2.3674 - acc: 0.8047 - auroc: 0.48 - ETA: 22:18 - loss: 2.3918 - acc: 0.80
53 - auroc: 0.48 - ETA: 22:48 - loss: 2.3796 - acc: 0.8074 - auroc: 0.48 - ETA: 23:23 - loss: 2.38
55 - acc: 0.8084 - auroc: 0.48 - ETA: 23:56 - loss: 2.3604 - acc: 0.8110 - auroc: 0.48 - ETA: 24:2
8 - loss: 2.3479 - acc: 0.8111 - auroc: 0.48 - ETA: 24:59 - loss: 2.3211 - acc: 0.8126 - auroc: 0.
48 - ETA: 25:27 - loss: 2.3017 - acc: 0.8119 - auroc: 0.48 - ETA: 25:54 - loss: 2.2682 - acc: 0.81
14 - auroc: 0.49 - ETA: 26:20 - loss: 2.2467 - acc: 0.8082 - auroc: 0.49 - ETA: 26:45 - loss: 2.22
34 - acc: 0.8060 - auroc: 0.49 - ETA: 27:08 - loss: 2.1830 - acc: 0.8038 - auroc: 0.49 - ETA: 27:2
9 - loss: 2.1530 - acc: 0.7997 - auroc: 0.49 - ETA: 27:50 - loss: 2.1052 - acc: 0.7968 - auroc: 0.
49 - ETA: 28:11 - loss: 2.0575 - acc: 0.7949 - auroc: 0.50 - ETA: 28:32 - loss: 2.0246 - acc: 0.79
04 - auroc: 0.50 - ETA: 28:52 - loss: 1.9883 - acc: 0.7875 - auroc: 0.50 - ETA: 29:11 - loss: 1.95
71 - acc: 0.7833 - auroc: 0.50 - ETA: 29:32 - loss: 1.9236 - acc: 0.7800 - auroc: 0.50 - ETA: 29:5
5 - loss: 1.8964 - acc: 0.7770 - auroc: 0.50 - ETA: 30:13 - loss: 1.8639 - acc: 0.7753 - auroc: 0.
50 - ETA: 30:30 - loss: 1.8338 - acc: 0.7732 - auroc: 0.50 - ETA: 30:46 - loss: 1.8014 - acc: 0.77
22 - auroc: 0.50 - ETA: 31:02 - loss: 1.7697 - acc: 0.7708 - auroc: 0.50 - ETA: 31:18 - loss: 1.74
46 - acc: 0.7696 - auroc: 0.50 - ETA: 31:33 - loss: 1.7156 - acc: 0.7688 - auroc: 0.50 - ETA: 31:4
7 - loss: 1.6881 - acc: 0.7688 - auroc: 0.50 - ETA: 32:02 - loss: 1.6634 - acc: 0.7684 - auroc: 0.
50 - ETA: 32:17 - loss: 1.6388 - acc: 0.7684 - auroc: 0.50 - ETA: 32:28 - loss: 1.6149 - acc: 0.76
87 - auroc: 0.50 - ETA: 32:38 - loss: 1.5932 - acc: 0.7683 - auroc: 0.50 - ETA: 32:47 - loss: 1.57
06 - acc: 0.7688 - auroc: 0.50 - ETA: 32:55 - loss: 1.5485 - acc: 0.7696 - auroc: 0.50 - ETA: 33:0
1 - loss: 1.5291 - acc: 0.7692 - auroc: 0.50 - ETA: 33:06 - loss: 1.5084 - acc: 0.7702 - auroc: 0.
50 - ETA: 33:11 - loss: 1.4918 - acc: 0.7707 - auroc: 0.50 - ETA: 33:14 - loss: 1.4741 - acc: 0.77
14 - auroc: 0.50 - ETA: 33:16 - loss: 1.4582 - acc: 0.7722 - auroc: 0.50 - ETA: 33:18 - loss: 1.44
07 - acc: 0.7737 - auroc: 0.50 - ETA: 33:19 - loss: 1.4245 - acc: 0.7744 - auroc: 0.50 - ETA: 33:1
9 - loss: 1.4079 - acc: 0.7757 - auroc: 0.50 - ETA: 33:19 - loss: 1.3935 - acc: 0.7761 - auroc: 0.
50 - ETA: 33:18 - loss: 1.3790 - acc: 0.7766 - auroc: 0.50 - ETA: 33:16 - loss: 1.3647 - acc: 0.77
76 - auroc: 0.51 - ETA: 33:13 - loss: 1.3505 - acc: 0.7787 - auroc: 0.51 - ETA: 33:10 - loss: 1.33
74 - acc: 0.7795 - auroc: 0.51 - ETA: 33:07 - loss: 1.3241 - acc: 0.7804 - auroc: 0.51 - ETA: 33:0
2 - loss: 1.3124 - acc: 0.7813 - auroc: 0.51 - ETA: 32:57 - loss: 1.3019 - acc: 0.7812 - auroc: 0.
50 - ETA: 32:50 - loss: 1.2899 - acc: 0.7818 - auroc: 0.51 - ETA: 32:44 - loss: 1.2789 - acc: 0.78
28 - auroc: 0.51 - ETA: 32:36 - loss: 1.2680 - acc: 0.7835 - auroc: 0.51 - ETA: 32:28 - loss: 1.25
70 - acc: 0.7842 - auroc: 0.51 - ETA: 32:18 - loss: 1.2462 - acc: 0.7852 - auroc: 0.51 - ETA: 32:0
9 - loss: 1.2359 - acc: 0.7860 - auroc: 0.51 - ETA: 31:59 - loss: 1.2264 - acc: 0.7864 - auroc: 0.
51 - ETA: 31:47 - loss: 1.2167 - acc: 0.7873 - auroc: 0.51 - ETA: 31:35 - loss: 1.2064 - acc: 0.78
85 - auroc: 0.51 - ETA: 31:21 - loss: 1.1974 - acc: 0.7891 - auroc: 0.51 - ETA: 31:08 - loss: 1.18
77 - acc: 0.7902 - auroc: 0.51 - ETA: 30:54 - loss: 1.1791 - acc: 0.7911 - auroc: 0.51 - ETA: 30:3
9 - loss: 1.1719 - acc: 0.7914 - auroc: 0.51 - ETA: 30:23 - loss: 1.1638 - acc: 0.7921 - auroc: 0.
51 - ETA: 30:06 - loss: 1.1559 - acc: 0.7928 - auroc: 0.51 - ETA: 29:50 - loss: 1.1479 - acc: 0.79
34 - auroc: 0.51 - ETA: 29:32 - loss: 1.1413 - acc: 0.7935 - auroc: 0.51 - ETA: 29:13 - loss: 1.13
42 - acc: 0.7937 - auroc: 0.51 - ETA: 28:54 - loss: 1.1273 - acc: 0.7939 - auroc: 0.51 - ETA: 28:3
5 - loss: 1.1204 - acc: 0.7944 - auroc: 0.51 - ETA: 28:14 - loss: 1.1135 - acc: 0.7949 - auroc: 0.
51 - ETA: 27:53 - loss: 1.1065 - acc: 0.7958 - auroc: 0.51 - ETA: 27:32 - loss: 1.0991 - acc: 0.79
66 - auroc: 0.51 - ETA: 27:11 - loss: 1.0923 - acc: 0.7973 - auroc: 0.51 - ETA: 26:49 - loss: 1.08
50 - acc: 0.7982 - auroc: 0.51 - ETA: 26:26 - loss: 1.0794 - acc: 0.7986 - auroc: 0.51 - ETA: 26:0
4 - loss: 1.0728 - acc: 0.7994 - auroc: 0.51 - ETA: 25:41 - loss: 1.0671 - acc: 0.7998 - auroc: 0.
51 - ETA: 25:18 - loss: 1.0612 - acc: 0.8004 - auroc: 0.51 - ETA: 24:56 - loss: 1.0556 - acc: 0.80
10 - auroc: 0.51 - ETA: 24:31 - loss: 1.0500 - acc: 0.8013 - auroc: 0.51 - ETA: 24:07 - loss: 1.04
46 - acc: 0.8017 - auroc: 0.51 - ETA: 23:41 - loss: 1.0394 - acc: 0.8023 - auroc: 0.52 - ETA: 23:1
6 - loss: 1.0336 - acc: 0.8030 - auroc: 0.52 - ETA: 22:50 - loss: 1.0289 - acc: 0.8034 - auroc: 0.
```

52 - ETA: 22:25 - loss: 1.0240 - acc: 0.8038 - auroc: 0.52 - ETA: 21:59 - loss: 1.0189 - acc: 0.80
43 - auroc: 0.52 - ETA: 21:32 - loss: 1.0137 - acc: 0.8049 - auroc: 0.52 - ETA: 21:06 - loss: 1.00
88 - acc: 0.8054 - auroc: 0.52 - ETA: 20:39 - loss: 1.0041 - acc: 0.8058 - auroc: 0.52 - ETA: 20:1
1 - loss: 0.9997 - acc: 0.8061 - auroc: 0.52 - ETA: 19:44 - loss: 0.9951 - acc: 0.8064 - auroc: 0.
52 - ETA: 19:16 - loss: 0.9908 - acc: 0.8066 - auroc: 0.52 - ETA: 18:48 - loss: 0.9864 - acc: 0.80
71 - auroc: 0.52 - ETA: 18:20 - loss: 0.9818 - acc: 0.8075 - auroc: 0.52 - ETA: 17:52 - loss: 0.97
72 - acc: 0.8081 - auroc: 0.52 - ETA: 17:23 - loss: 0.9732 - acc: 0.8083 - auroc: 0.52 - ETA: 16:5
4 - loss: 0.9692 - acc: 0.8087 - auroc: 0.52 - ETA: 16:25 - loss: 0.9654 - acc: 0.8090 - auroc: 0.
52 - ETA: 15:56 - loss: 0.9613 - acc: 0.8095 - auroc: 0.52 - ETA: 15:26 - loss: 0.9578 - acc: 0.80
97 - auroc: 0.52 - ETA: 14:56 - loss: 0.9539 - acc: 0.8100 - auroc: 0.52 - ETA: 14:26 - loss: 0.95
00 - acc: 0.8104 - auroc: 0.53 - ETA: 13:56 - loss: 0.9468 - acc: 0.8106 - auroc: 0.53 - ETA: 13:2
5 - loss: 0.9434 - acc: 0.8108 - auroc: 0.53 - ETA: 12:55 - loss: 0.9396 - acc: 0.8112 - auroc: 0.
53 - ETA: 12:24 - loss: 0.9360 - acc: 0.8115 - auroc: 0.53 - ETA: 11:53 - loss: 0.9327 - acc: 0.81
18 - auroc: 0.53 - ETA: 11:22 - loss: 0.9295 - acc: 0.8119 - auroc: 0.53 - ETA: 10:50 - loss: 0.92
61 - acc: 0.8122 - auroc: 0.53 - ETA: 10:19 - loss: 0.9230 - acc: 0.8124 - auroc: 0.53 - ETA: 9:47
- loss: 0.9198 - acc: 0.8126 - auroc: 0.5335 - ETA: 9:15 - loss: 0.9164 - acc: 0.8131 - auroc: 0.5
33 - ETA: 8:43 - loss: 0.9132 - acc: 0.8133 - auroc: 0.534 - ETA: 8:10 - loss: 0.9105 - acc: 0.813
4 - auroc: 0.534 - ETA: 7:38 - loss: 0.9077 - acc: 0.8135 - auroc: 0.534 - ETA: 7:05 - loss: 0.904
7 - acc: 0.8137 - auroc: 0.534 - ETA: 6:32 - loss: 0.9019 - acc: 0.8139 - auroc: 0.535 - ETA: 5:59
- loss: 0.8989 - acc: 0.8142 - auroc: 0.535 - ETA: 5:26 - loss: 0.8960 - acc: 0.8145 - auroc: 0.53
5 - ETA: 4:52 - loss: 0.8931 - acc: 0.8147 - auroc: 0.536 - ETA: 4:19 - loss: 0.8904 - acc: 0.8148
- auroc: 0.536 - ETA: 3:45 - loss: 0.8878 - acc: 0.8149 - auroc: 0.537 - ETA: 3:11 - loss: 0.8849
- acc: 0.8153 - auroc: 0.537 - ETA: 2:37 - loss: 0.8823 - acc: 0.8155 - auroc: 0.537 - ETA: 2:03 -
loss: 0.8796 - acc: 0.8158 - auroc: 0.537 - ETA: 1:28 - loss: 0.8771 - acc: 0.8161 - auroc: 0.537
- ETA: 54s - loss: 0.8744 - acc: 0.8164 - auroc: 0.537 - ETA: 19s - loss: 0.8718 - acc: 0.8167 - a
uroc: 0.53 - 5011s 72ms/step - loss: 0.8703 - acc: 0.8168 - auroc: 0.5384 - val_loss: 0.5295 - val
_acc: 0.8486 - val_auroc: 0.6458
Epoch 2/15
69918/69918 [==============================] - ETA: 1:46:49 - loss: 0.4943 - acc: 0.8613 - auroc:
0.60 - ETA: 1:45:17 - loss: 0.5441 - acc: 0.8379 - auroc: 0.57 - ETA: 1:44:10 - loss: 0.5389 - acc
: 0.8405 - auroc: 0.57 - ETA: 1:43:14 - loss: 0.5338 - acc: 0.8408 - auroc: 0.59 - ETA: 1:42:16 -
loss: 0.5461 - acc: 0.8383 - auroc: 0.57 - ETA: 1:41:28 - loss: 0.5370 - acc: 0.8431 - auroc: 0.57
- ETA: 1:40:41 - loss: 0.5324 - acc: 0.8451 - auroc: 0.57 - ETA: 1:39:59 - loss: 0.5321 - acc: 0.8
455 - auroc: 0.57 - ETA: 1:39:25 - loss: 0.5328 - acc: 0.8461 - auroc: 0.57 - ETA: 1:38:39 - loss:
0.5334 - acc: 0.8457 - auroc: 0.57 - ETA: 1:37:55 - loss: 0.5365 - acc: 0.8438 - auroc: 0.56 - ETA
: 1:37:15 - loss: 0.5331 - acc: 0.8454 - auroc: 0.57 - ETA: 1:36:29 - loss: 0.5340 - acc: 0.8447 -
auroc: 0.57 - ETA: 1:35:48 - loss: 0.5312 - acc: 0.8461 - auroc: 0.57 - ETA: 1:35:03 - loss: 0.529
5 - acc: 0.8465 - auroc: 0.57 - ETA: 1:34:18 - loss: 0.5300 - acc: 0.8462 - auroc: 0.57 - ETA: 1:3
3:35 - loss: 0.5328 - acc: 0.8454 - auroc: 0.57 - ETA: 1:32:48 - loss: 0.5347 - acc: 0.8442 - auro
c: 0.57 - ETA: 1:32:04 - loss: 0.5335 - acc: 0.8448 - auroc: 0.57 - ETA: 1:31:20 - loss: 0.5341 -
acc: 0.8448 - auroc: 0.57 - ETA: 1:30:35 - loss: 0.5353 - acc: 0.8447 - auroc: 0.57 - ETA: 1:29:49
- loss: 0.5382 - acc: 0.8427 - auroc: 0.57 - ETA: 1:29:05 - loss: 0.5381 - acc: 0.8426 - auroc: 0.
57 - ETA: 1:28:21 - loss: 0.5364 - acc: 0.8435 - auroc: 0.57 - ETA: 1:27:37 - loss: 0.5367 - acc:
0.8440 - auroc: 0.57 - ETA: 1:26:53 - loss: 0.5377 - acc: 0.8435 - auroc: 0.57 - ETA: 1:26:08 - lo
ss: 0.5370 - acc: 0.8435 - auroc: 0.58 - ETA: 1:25:25 - loss: 0.5387 - acc: 0.8426 - auroc: 0.58 -
ETA: 1:24:39 - loss: 0.5369 - acc: 0.8434 - auroc: 0.58 - ETA: 1:23:53 - loss: 0.5370 - acc: 0.843
5 - auroc: 0.58 - ETA: 1:23:06 - loss: 0.5359 - acc: 0.8438 - auroc: 0.58 - ETA: 1:22:20 - loss: 0
.5343 - acc: 0.8444 - auroc: 0.58 - ETA: 1:21:34 - loss: 0.5344 - acc: 0.8441 - auroc: 0.58 - ETA:
1:20:49 - loss: 0.5338 - acc: 0.8439 - auroc: 0.58 - ETA: 1:20:04 - loss: 0.5347 - acc: 0.8430 - a
uroc: 0.58 - ETA: 1:19:17 - loss: 0.5335 - acc: 0.8434 - auroc: 0.58 - ETA: 1:18:34 - loss: 0.5329
- acc: 0.8435 - auroc: 0.58 - ETA: 1:17:48 - loss: 0.5323 - acc: 0.8438 - auroc: 0.58 - ETA: 1:17:
01 - loss: 0.5324 - acc: 0.8441 - auroc: 0.58 - ETA: 1:16:15 - loss: 0.5309 - acc: 0.8448 - auroc:
0.58 - ETA: 1:15:29 - loss: 0.5299 - acc: 0.8453 - auroc: 0.58 - ETA: 1:14:43 - loss: 0.5337 - acc
: 0.8442 - auroc: 0.58 - ETA: 1:13:57 - loss: 0.5327 - acc: 0.8448 - auroc: 0.58 - ETA: 1:13:11 -
loss: 0.5330 - acc: 0.8449 - auroc: 0.58 - ETA: 1:12:24 - loss: 0.5316 - acc: 0.8456 - auroc: 0.58
- ETA: 1:11:37 - loss: 0.5307 - acc: 0.8460 - auroc: 0.58 - ETA: 1:10:51 - loss: 0.5317 - acc: 0.8
456 - auroc: 0.58 - ETA: 1:10:05 - loss: 0.5309 - acc: 0.8464 - auroc: 0.58 - ETA: 1:09:18 - loss:
0.5310 - acc: 0.8462 - auroc: 0.58 - ETA: 1:08:32 - loss: 0.5308 - acc: 0.8462 - auroc: 0.58 - ETA
: 1:07:45 - loss: 0.5302 - acc: 0.8464 - auroc: 0.58 - ETA: 1:06:59 - loss: 0.5305 - acc: 0.8463 -
auroc: 0.58 - ETA: 1:06:12 - loss: 0.5301 - acc: 0.8466 - auroc: 0.58 - ETA: 1:05:25 - loss: 0.529
7 - acc: 0.8466 - auroc: 0.58 - ETA: 1:04:38 - loss: 0.5297 - acc: 0.8468 - auroc: 0.58 - ETA: 1:0
3:52 - loss: 0.5291 - acc: 0.8470 - auroc: 0.58 - ETA: 1:03:05 - loss: 0.5288 - acc: 0.8473 - auro
c: 0.58 - ETA: 1:02:19 - loss: 0.5289 - acc: 0.8473 - auroc: 0.58 - ETA: 1:01:32 - loss: 0.5284 -
acc: 0.8472 - auroc: 0.58 - ETA: 1:00:45 - loss: 0.5273 - acc: 0.8475 - auroc: 0.58 - ETA: 1:00:00
- loss: 0.5261 - acc: 0.8482 - auroc: 0.58 - ETA: 59:14 - loss: 0.5265 - acc: 0.8481 - auroc: 0.58
69 - ETA: 58:28 - loss: 0.5267 - acc: 0.8480 - auroc: 0.58 - ETA: 57:40 - loss: 0.5266 - acc: 0.84
77 - auroc: 0.58 - ETA: 56:53 - loss: 0.5261 - acc: 0.8479 - auroc: 0.58 - ETA: 56:06 - loss: 0.52
66 - acc: 0.8477 - auroc: 0.58 - ETA: 55:19 - loss: 0.5257 - acc: 0.8482 - auroc: 0.58 - ETA: 54:3
2 - loss: 0.5260 - acc: 0.8479 - auroc: 0.58 - ETA: 53:45 - loss: 0.5258 - acc: 0.8480 - auroc: 0.
58 - ETA: 52:59 - loss: 0.5258 - acc: 0.8479 - auroc: 0.58 - ETA: 52:12 - loss: 0.5255 - acc: 0.84
77 - auroc: 0.59 - ETA: 51:26 - loss: 0.5254 - acc: 0.8476 - auroc: 0.59 - ETA: 50:39 - loss: 0.52
61 - acc: 0.8473 - auroc: 0.59 - ETA: 49:52 - loss: 0.5257 - acc: 0.8473 - auroc: 0.59 - ETA: 49:0
6 - loss: 0.5262 - acc: 0.8471 - auroc: 0.59 - ETA: 48:19 - loss: 0.5263 - acc: 0.8468 - auroc: 0.
59 - ETA: 47:32 - loss: 0.5265 - acc: 0.8467 - auroc: 0.59 - ETA: 46:45 - loss: 0.5258 - acc: 0.84
70 - auroc: 0.59 - ETA: 45:58 - loss: 0.5261 - acc: 0.8469 - auroc: 0.59 - ETA: 45:11 - loss: 0.52
58 - acc: 0.8469 - auroc: 0.59 - ETA: 44:23 - loss: 0.5259 - acc: 0.8468 - auroc: 0.59 - ETA: 43:3
6 - loss: 0.5254 - acc: 0.8469 - auroc: 0.59 - ETA: 42:49 - loss: 0.5254 - acc: 0.8468 - auroc: 0.

59 - ETA: 42:02 - loss: 0.5253 - acc: 0.8467 - auroc: 0.59 - ETA: 41:15 - loss: 0.5255 - acc: 0.84
65 - auroc: 0.59 - ETA: 40:27 - loss: 0.5251 - acc: 0.8466 - auroc: 0.59 - ETA: 39:40 - loss: 0.52
52 - acc: 0.8466 - auroc: 0.59 - ETA: 38:52 - loss: 0.5253 - acc: 0.8466 - auroc: 0.59 - ETA: 38:0
5 - loss: 0.5247 - acc: 0.8469 - auroc: 0.59 - ETA: 37:17 - loss: 0.5244 - acc: 0.8470 - auroc: 0.
59 - ETA: 36:30 - loss: 0.5247 - acc: 0.8468 - auroc: 0.59 - ETA: 35:42 - loss: 0.5242 - acc: 0.84
69 - auroc: 0.59 - ETA: 34:54 - loss: 0.5238 - acc: 0.8470 - auroc: 0.59 - ETA: 34:06 - loss: 0.52
35 - acc: 0.8472 - auroc: 0.59 - ETA: 33:18 - loss: 0.5240 - acc: 0.8468 - auroc: 0.59 - ETA: 32:3
1 - loss: 0.5235 - acc: 0.8471 - auroc: 0.59 - ETA: 31:43 - loss: 0.5226 - acc: 0.8473 - auroc: 0.
59 - ETA: 30:55 - loss: 0.5230 - acc: 0.8468 - auroc: 0.59 - ETA: 30:08 - loss: 0.5230 - acc: 0.84
68 - auroc: 0.59 - ETA: 29:20 - loss: 0.5225 - acc: 0.8470 - auroc: 0.59 - ETA: 28:32 - loss: 0.52
23 - acc: 0.8470 - auroc: 0.59 - ETA: 27:45 - loss: 0.5220 - acc: 0.8469 - auroc: 0.59 - ETA: 26:5
8 - loss: 0.5222 - acc: 0.8468 - auroc: 0.59 - ETA: 26:10 - loss: 0.5220 - acc: 0.8467 - auroc: 0.
59 - ETA: 25:22 - loss: 0.5219 - acc: 0.8466 - auroc: 0.59 - ETA: 24:35 - loss: 0.5218 - acc: 0.84
66 - auroc: 0.59 - ETA: 23:47 - loss: 0.5218 - acc: 0.8465 - auroc: 0.59 - ETA: 22:59 - loss: 0.52
15 - acc: 0.8465 - auroc: 0.59 - ETA: 22:11 - loss: 0.5214 - acc: 0.8464 - auroc: 0.59 - ETA: 21:2
3 - loss: 0.5211 - acc: 0.8465 - auroc: 0.59 - ETA: 20:35 - loss: 0.5209 - acc: 0.8465 - auroc: 0.
60 - ETA: 19:47 - loss: 0.5209 - acc: 0.8465 - auroc: 0.59 - ETA: 18:59 - loss: 0.5209 - acc: 0.84
65 - auroc: 0.59 - ETA: 18:11 - loss: 0.5212 - acc: 0.8462 - auroc: 0.60 - ETA: 17:23 - loss: 0.52
12 - acc: 0.8463 - auroc: 0.59 - ETA: 16:35 - loss: 0.5210 - acc: 0.8463 - auroc: 0.60 - ETA: 15:4
7 - loss: 0.5208 - acc: 0.8464 - auroc: 0.59 - ETA: 14:59 - loss: 0.5208 - acc: 0.8465 - auroc: 0.
59 - ETA: 14:09 - loss: 0.5211 - acc: 0.8464 - auroc: 0.59 - ETA: 13:17 - loss: 0.5212 - acc: 0.84
64 - auroc: 0.59 - ETA: 12:27 - loss: 0.5207 - acc: 0.8466 - auroc: 0.59 - ETA: 11:36 - loss: 0.52
07 - acc: 0.8465 - auroc: 0.59 - ETA: 10:46 - loss: 0.5206 - acc: 0.8465 - auroc: 0.59 - ETA: 9:56
- loss: 0.5206 - acc: 0.8466 - auroc: 0.5988 - ETA: 9:07 - loss: 0.5204 - acc: 0.8465 - auroc: 0.5
99 - ETA: 8:18 - loss: 0.5201 - acc: 0.8466 - auroc: 0.599 - ETA: 7:29 - loss: 0.5201 - acc: 0.846
6 - auroc: 0.599 - ETA: 6:41 - loss: 0.5197 - acc: 0.8467 - auroc: 0.599 - ETA: 5:53 - loss: 0.519
5 - acc: 0.8469 - auroc: 0.599 - ETA: 5:05 - loss: 0.5194 - acc: 0.8469 - auroc: 0.599 - ETA: 4:18
- loss: 0.5194 - acc: 0.8468 - auroc: 0.599 - ETA: 3:31 - loss: 0.5196 - acc: 0.8465 - auroc: 0.60
0 - ETA: 2:44 - loss: 0.5193 - acc: 0.8467 - auroc: 0.600 - ETA: 1:57 - loss: 0.5193 - acc: 0.8467
- auroc: 0.600 - ETA: 1:11 - loss: 0.5196 - acc: 0.8466 - auroc: 0.600 - ETA: 25s - loss: 0.5195 -
acc: 0.8465 - auroc: 0.600 - 6391s 91ms/step - loss: 0.5194 - acc: 0.8466 - auroc: 0.6004 - val_lo
ss: 0.5014 - val_acc: 0.8486 - val_auroc: 0.7030
Epoch 3/15
69918/69918 [==============================] - ETA: 1:03:46 - loss: 0.5235 - acc: 0.8398 - auroc:
0.59 - ETA: 1:02:41 - loss: 0.5020 - acc: 0.8486 - auroc: 0.61 - ETA: 1:01:56 - loss: 0.5240 - acc
: 0.8405 - auroc: 0.60 - ETA: 1:01:52 - loss: 0.5160 - acc: 0.8462 - auroc: 0.60 - ETA: 1:01:22 -
loss: 0.5063 - acc: 0.8508 - auroc: 0.60 - ETA: 1:01:09 - loss: 0.5099 - acc: 0.8480 - auroc: 0.61
- ETA: 1:00:39 - loss: 0.5085 - acc: 0.8493 - auroc: 0.60 - ETA: 1:00:07 - loss: 0.5125 - acc: 0.8
484 - auroc: 0.60 - ETA: 59:32 - loss: 0.5082 - acc: 0.8496 - auroc: 0.6077 - ETA: 59:08 - loss: 0
.5077 - acc: 0.8498 - auroc: 0.60 - ETA: 58:38 - loss: 0.5068 - acc: 0.8514 - auroc: 0.60 - ETA: 5
8:08 - loss: 0.5062 - acc: 0.8503 - auroc: 0.60 - ETA: 57:39 - loss: 0.5046 - acc: 0.8501 - auroc:
0.61 - ETA: 57:08 - loss: 0.5061 - acc: 0.8488 - auroc: 0.61 - ETA: 56:39 - loss: 0.5058 - acc: 0.
8486 - auroc: 0.61 - ETA: 56:13 - loss: 0.5046 - acc: 0.8490 - auroc: 0.61 - ETA: 55:44 - loss: 0.
5039 - acc: 0.8491 - auroc: 0.61 - ETA: 55:18 - loss: 0.5040 - acc: 0.8483 - auroc: 0.61 - ETA: 54
:50 - loss: 0.5042 - acc: 0.8475 - auroc: 0.61 - ETA: 54:20 - loss: 0.5022 - acc: 0.8481 - auroc:
0.61 - ETA: 53:51 - loss: 0.5028 - acc: 0.8481 - auroc: 0.61 - ETA: 53:24 - loss: 0.5025 - acc: 0.
8486 - auroc: 0.61 - ETA: 52:57 - loss: 0.5041 - acc: 0.8478 - auroc: 0.61 - ETA: 52:29 - loss: 0.
5038 - acc: 0.8475 - auroc: 0.61 - ETA: 52:02 - loss: 0.5048 - acc: 0.8466 - auroc: 0.61 - ETA: 51
:34 - loss: 0.5042 - acc: 0.8470 - auroc: 0.61 - ETA: 51:07 - loss: 0.5062 - acc: 0.8455 - auroc:
0.61 - ETA: 50:40 - loss: 0.5069 - acc: 0.8454 - auroc: 0.61 - ETA: 50:12 - loss: 0.5063 - acc: 0.
8457 - auroc: 0.61 - ETA: 49:45 - loss: 0.5048 - acc: 0.8467 - auroc: 0.61 - ETA: 49:16 - loss: 0.
5041 - acc: 0.8471 - auroc: 0.61 - ETA: 48:47 - loss: 0.5042 - acc: 0.8469 - auroc: 0.61 - ETA: 48
:19 - loss: 0.5057 - acc: 0.8464 - auroc: 0.61 - ETA: 47:50 - loss: 0.5049 - acc: 0.8464 - auroc:
0.61 - ETA: 47:22 - loss: 0.5049 - acc: 0.8463 - auroc: 0.61 - ETA: 46:54 - loss: 0.5044 - acc: 0.
8464 - auroc: 0.62 - ETA: 46:26 - loss: 0.5043 - acc: 0.8462 - auroc: 0.62 - ETA: 45:59 - loss: 0.
5057 - acc: 0.8456 - auroc: 0.62 - ETA: 45:30 - loss: 0.5051 - acc: 0.8457 - auroc: 0.62 - ETA: 45
:02 - loss: 0.5055 - acc: 0.8454 - auroc: 0.62 - ETA: 44:34 - loss: 0.5047 - acc: 0.8458 - auroc:
0.62 - ETA: 44:05 - loss: 0.5046 - acc: 0.8458 - auroc: 0.62 - ETA: 43:37 - loss: 0.5035 - acc: 0.
8461 - auroc: 0.62 - ETA: 43:09 - loss: 0.5040 - acc: 0.8457 - auroc: 0.62 - ETA: 42:40 - loss: 0.
5051 - acc: 0.8451 - auroc: 0.62 - ETA: 42:12 - loss: 0.5053 - acc: 0.8448 - auroc: 0.62 - ETA: 41
:45 - loss: 0.5055 - acc: 0.8445 - auroc: 0.62 - ETA: 41:15 - loss: 0.5052 - acc: 0.8446 - auroc:
0.62 - ETA: 40:48 - loss: 0.5052 - acc: 0.8447 - auroc: 0.62 - ETA: 40:18 - loss: 0.5049 - acc: 0.
8446 - auroc: 0.62 - ETA: 39:48 - loss: 0.5049 - acc: 0.8447 - auroc: 0.62 - ETA: 39:18 - loss: 0.
5056 - acc: 0.8444 - auroc: 0.62 - ETA: 38:49 - loss: 0.5047 - acc: 0.8446 - auroc: 0.62 - ETA: 38
:22 - loss: 0.5045 - acc: 0.8447 - auroc: 0.62 - ETA: 37:54 - loss: 0.5039 - acc: 0.8450 - auroc:
0.62 - ETA: 37:32 - loss: 0.5041 - acc: 0.8450 - auroc: 0.62 - ETA: 37:11 - loss: 0.5037 - acc: 0.
8453 - auroc: 0.62 - ETA: 36:53 - loss: 0.5031 - acc: 0.8458 - auroc: 0.62 - ETA: 36:35 - loss: 0.
5032 - acc: 0.8460 - auroc: 0.62 - ETA: 36:14 - loss: 0.5044 - acc: 0.8453 - auroc: 0.62 - ETA: 35
:49 - loss: 0.5041 - acc: 0.8452 - auroc: 0.62 - ETA: 35:21 - loss: 0.5036 - acc: 0.8456 - auroc:
0.62 - ETA: 34:54 - loss: 0.5034 - acc: 0.8456 - auroc: 0.62 - ETA: 34:27 - loss: 0.5035 - acc: 0.
8456 - auroc: 0.62 - ETA: 33:59 - loss: 0.5025 - acc: 0.8460 - auroc: 0.62 - ETA: 33:32 - loss: 0.
5027 - acc: 0.8461 - auroc: 0.62 - ETA: 33:03 - loss: 0.5030 - acc: 0.8460 - auroc: 0.62 - ETA: 32
:34 - loss: 0.5034 - acc: 0.8458 - auroc: 0.62 - ETA: 32:05 - loss: 0.5035 - acc: 0.8457 - auroc:
0.62 - ETA: 31:37 - loss: 0.5031 - acc: 0.8458 - auroc: 0.62 - ETA: 31:06 - loss: 0.5032 - acc: 0.
8457 - auroc: 0.62 - ETA: 30:35 - loss: 0.5031 - acc: 0.8456 - auroc: 0.62 - ETA: 30:05 - loss: 0.
5023 - acc: 0.8460 - auroc: 0.62 - ETA: 29:35 - loss: 0.5025 - acc: 0.8459 - auroc: 0.62 - ETA: 29
:06 - loss: 0.5026 - acc: 0.8459 - auroc: 0.62 - ETA: 28:37 - loss: 0.5028 - acc: 0.8458 - auroc:

0.62 - ETA: 28:09 - loss: 0.5025 - acc: 0.8460 - auroc: 0.62 - ETA: 27:42 - loss: 0.5027 - acc: 0.
8459 - auroc: 0.62 - ETA: 27:14 - loss: 0.5034 - acc: 0.8455 - auroc: 0.62 - ETA: 26:45 - loss: 0.
5036 - acc: 0.8453 - auroc: 0.62 - ETA: 26:15 - loss: 0.5039 - acc: 0.8454 - auroc: 0.62 - ETA: 25
:46 - loss: 0.5037 - acc: 0.8455 - auroc: 0.62 - ETA: 25:18 - loss: 0.5036 - acc: 0.8454 - auroc:
0.62 - ETA: 24:50 - loss: 0.5032 - acc: 0.8458 - auroc: 0.62 - ETA: 24:22 - loss: 0.5030 - acc: 0.
8458 - auroc: 0.62 - ETA: 23:54 - loss: 0.5024 - acc: 0.8461 - auroc: 0.62 - ETA: 23:25 - loss: 0.
5018 - acc: 0.8464 - auroc: 0.62 - ETA: 22:59 - loss: 0.5011 - acc: 0.8466 - auroc: 0.62 - ETA: 22
:30 - loss: 0.5014 - acc: 0.8465 - auroc: 0.62 - ETA: 22:01 - loss: 0.5017 - acc: 0.8463 - auroc:
0.63 - ETA: 21:31 - loss: 0.5023 - acc: 0.8460 - auroc: 0.62 - ETA: 21:02 - loss: 0.5018 - acc: 0.
8463 - auroc: 0.62 - ETA: 20:34 - loss: 0.5016 - acc: 0.8464 - auroc: 0.63 - ETA: 20:05 - loss: 0.
5015 - acc: 0.8464 - auroc: 0.62 - ETA: 19:37 - loss: 0.5015 - acc: 0.8466 - auroc: 0.62 - ETA: 19
:08 - loss: 0.5013 - acc: 0.8468 - auroc: 0.62 - ETA: 18:39 - loss: 0.5013 - acc: 0.8469 - auroc:
0.62 - ETA: 18:10 - loss: 0.5016 - acc: 0.8469 - auroc: 0.62 - ETA: 17:41 - loss: 0.5019 - acc: 0.
8468 - auroc: 0.62 - ETA: 17:13 - loss: 0.5020 - acc: 0.8466 - auroc: 0.62 - ETA: 16:46 - loss: 0.
5021 - acc: 0.8466 - auroc: 0.62 - ETA: 16:19 - loss: 0.5020 - acc: 0.8465 - auroc: 0.62 - ETA: 15
:51 - loss: 0.5024 - acc: 0.8464 - auroc: 0.62 - ETA: 15:23 - loss: 0.5024 - acc: 0.8464 - auroc:
0.62 - ETA: 14:56 - loss: 0.5022 - acc: 0.8463 - auroc: 0.62 - ETA: 14:27 - loss: 0.5024 - acc: 0.
8463 - auroc: 0.62 - ETA: 13:59 - loss: 0.5026 - acc: 0.8462 - auroc: 0.62 - ETA: 13:30 - loss: 0.
5029 - acc: 0.8461 - auroc: 0.62 - ETA: 13:02 - loss: 0.5024 - acc: 0.8463 - auroc: 0.62 - ETA: 12
:33 - loss: 0.5023 - acc: 0.8464 - auroc: 0.62 - ETA: 12:04 - loss: 0.5026 - acc: 0.8462 - auroc:
0.62 - ETA: 11:35 - loss: 0.5024 - acc: 0.8462 - auroc: 0.62 - ETA: 11:07 - loss: 0.5021 - acc: 0.
8464 - auroc: 0.62 - ETA: 10:38 - loss: 0.5023 - acc: 0.8463 - auroc: 0.62 - ETA: 10:09 - loss: 0.
5020 - acc: 0.8463 - auroc: 0.62 - ETA: 9:41 - loss: 0.5020 - acc: 0.8464 - auroc: 0.6291 - ETA: 9
:12 - loss: 0.5014 - acc: 0.8467 - auroc: 0.629 - ETA: 8:44 - loss: 0.5014 - acc: 0.8467 - auroc:
0.629 - ETA: 8:15 - loss: 0.5013 - acc: 0.8468 - auroc: 0.628 - ETA: 7:47 - loss: 0.5009 - acc: 0.
8469 - auroc: 0.629 - ETA: 7:18 - loss: 0.5005 - acc: 0.8471 - auroc: 0.629 - ETA: 6:50 - loss: 0.
5000 - acc: 0.8473 - auroc: 0.629 - ETA: 6:21 - loss: 0.4997 - acc: 0.8474 - auroc: 0.629 - ETA: 5
:53 - loss: 0.4993 - acc: 0.8476 - auroc: 0.630 - ETA: 5:25 - loss: 0.4992 - acc: 0.8476 - auroc:
0.630 - ETA: 4:57 - loss: 0.4993 - acc: 0.8475 - auroc: 0.630 - ETA: 4:29 - loss: 0.4993 - acc: 0.
8475 - auroc: 0.630 - ETA: 4:00 - loss: 0.4991 - acc: 0.8475 - auroc: 0.630 - ETA: 3:32 - loss: 0.
4996 - acc: 0.8474 - auroc: 0.629 - ETA: 3:04 - loss: 0.4992 - acc: 0.8475 - auroc: 0.630 - ETA: 2
:36 - loss: 0.4990 - acc: 0.8477 - auroc: 0.629 - ETA: 2:08 - loss: 0.4987 - acc: 0.8478 - auroc:
0.629 - ETA: 1:40 - loss: 0.4988 - acc: 0.8477 - auroc: 0.629 - ETA: 1:12 - loss: 0.4991 - acc: 0.
8476 - auroc: 0.629 - ETA: 43s - loss: 0.4987 - acc: 0.8477 - auroc: 0.630 - ETA: 15s - loss: 0.49
88 - acc: 0.8476 - auroc: 0.63 - 3996s 57ms/step - loss: 0.4987 - acc: 0.8477 - auroc: 0.6298 - va
l_loss: 0.4990 - val_acc: 0.8486 - val_auroc: 0.7111
Epoch 4/15
69918/69918 [==============================] - ETA: 1:02:59 - loss: 0.5140 - acc: 0.8398 - auroc:
0.60 - ETA: 1:01:04 - loss: 0.4973 - acc: 0.8467 - auroc: 0.62 - ETA: 1:01:33 - loss: 0.4953 - acc
: 0.8431 - auroc: 0.64 - ETA: 1:02:11 - loss: 0.4940 - acc: 0.8457 - auroc: 0.63 - ETA: 1:00:52 -
loss: 0.4973 - acc: 0.8469 - auroc: 0.61 - ETA: 59:52 - loss: 0.4920 - acc: 0.8496 - auroc: 0.6231
- ETA: 58:54 - loss: 0.4894 - acc: 0.8513 - auroc: 0.62 - ETA: 58:06 - loss: 0.4919 - acc: 0.8484
- auroc: 0.63 - ETA: 57:27 - loss: 0.4959 - acc: 0.8461 - auroc: 0.63 - ETA: 56:45 - loss: 0.4906
- acc: 0.8490 - auroc: 0.63 - ETA: 56:08 - loss: 0.4891 - acc: 0.8493 - auroc: 0.63 - ETA: 55:32 -
loss: 0.4876 - acc: 0.8496 - auroc: 0.64 - ETA: 54:57 - loss: 0.4875 - acc: 0.8496 - auroc: 0.64 -
ETA: 54:27 - loss: 0.4874 - acc: 0.8497 - auroc: 0.64 - ETA: 55:37 - loss: 0.4842 - acc: 0.8518 -
auroc: 0.64 - ETA: 57:44 - loss: 0.4840 - acc: 0.8524 - auroc: 0.64 - ETA: 59:29 - loss: 0.4843 -
acc: 0.8519 - auroc: 0.64 - ETA: 1:00:57 - loss: 0.4825 - acc: 0.8529 - auroc: 0.64 - ETA: 1:02:11
- loss: 0.4850 - acc: 0.8517 - auroc: 0.64 - ETA: 1:03:14 - loss: 0.4881 - acc: 0.8506 - auroc: 0.
63 - ETA: 1:04:06 - loss: 0.4866 - acc: 0.8510 - auroc: 0.64 - ETA: 1:04:49 - loss: 0.4859 - acc:
0.8516 - auroc: 0.64 - ETA: 1:05:23 - loss: 0.4855 - acc: 0.8517 - auroc: 0.64 - ETA: 1:05:50 - lo
ss: 0.4856 - acc: 0.8512 - auroc: 0.64 - ETA: 1:06:11 - loss: 0.4852 - acc: 0.8519 - auroc: 0.64 -
ETA: 1:06:26 - loss: 0.4858 - acc: 0.8511 - auroc: 0.64 - ETA: 1:06:39 - loss: 0.4844 - acc: 0.852
1 - auroc: 0.64 - ETA: 1:06:45 - loss: 0.4849 - acc: 0.8516 - auroc: 0.64 - ETA: 1:06:47 - loss: 0
.4849 - acc: 0.8512 - auroc: 0.64 - ETA: 1:06:47 - loss: 0.4840 - acc: 0.8514 - auroc: 0.64 - ETA:
1:06:43 - loss: 0.4829 - acc: 0.8518 - auroc: 0.64 - ETA: 1:06:36 - loss: 0.4843 - acc: 0.8509 - a
uroc: 0.64 - ETA: 1:06:27 - loss: 0.4832 - acc: 0.8519 - auroc: 0.64 - ETA: 1:06:18 - loss: 0.4843
- acc: 0.8516 - auroc: 0.64 - ETA: 1:06:21 - loss: 0.4845 - acc: 0.8513 - auroc: 0.64 - ETA: 1:06:
06 - loss: 0.4833 - acc: 0.8519 - auroc: 0.64 - ETA: 1:05:48 - loss: 0.4820 - acc: 0.8527 - auroc:
0.64 - ETA: 1:05:29 - loss: 0.4813 - acc: 0.8528 - auroc: 0.64 - ETA: 1:05:08 - loss: 0.4807 - acc
: 0.8532 - auroc: 0.64 - ETA: 1:04:50 - loss: 0.4807 - acc: 0.8530 - auroc: 0.64 - ETA: 1:04:33 -
loss: 0.4807 - acc: 0.8528 - auroc: 0.65 - ETA: 1:04:11 - loss: 0.4814 - acc: 0.8524 - auroc: 0.65
- ETA: 1:03:54 - loss: 0.4818 - acc: 0.8520 - auroc: 0.65 - ETA: 1:03:29 - loss: 0.4821 - acc: 0.8
520 - auroc: 0.65 - ETA: 1:03:03 - loss: 0.4814 - acc: 0.8521 - auroc: 0.65 - ETA: 1:02:35 - loss:
0.4827 - acc: 0.8511 - auroc: 0.65 - ETA: 1:02:06 - loss: 0.4828 - acc: 0.8506 - auroc: 0.65 - ETA
: 1:01:40 - loss: 0.4817 - acc: 0.8511 - auroc: 0.65 - ETA: 1:01:24 - loss: 0.4822 - acc: 0.8510 -
auroc: 0.65 - ETA: 1:01:06 - loss: 0.4824 - acc: 0.8509 - auroc: 0.65 - ETA: 1:00:49 - loss: 0.483
1 - acc: 0.8507 - auroc: 0.65 - ETA: 1:00:27 - loss: 0.4836 - acc: 0.8505 - auroc: 0.65 - ETA: 1:0
0:05 - loss: 0.4834 - acc: 0.8506 - auroc: 0.65 - ETA: 59:35 - loss: 0.4835 - acc: 0.8507 - auroc:
0.6532 - ETA: 59:11 - loss: 0.4837 - acc: 0.8504 - auroc: 0.65 - ETA: 58:45 - loss: 0.4833 - acc:
0.8504 - auroc: 0.65 - ETA: 58:14 - loss: 0.4837 - acc: 0.8505 - auroc: 0.65 - ETA: 57:56 - loss:
0.4828 - acc: 0.8511 - auroc: 0.65 - ETA: 57:25 - loss: 0.4828 - acc: 0.8509 - auroc: 0.65 - ETA:
56:54 - loss: 0.4834 - acc: 0.8505 - auroc: 0.65 - ETA: 56:22 - loss: 0.4833 - acc: 0.8504 - auroc
: 0.65 - ETA: 55:46 - loss: 0.4836 - acc: 0.8503 - auroc: 0.65 - ETA: 55:13 - loss: 0.4839 - acc:
0.8500 - auroc: 0.65 - ETA: 54:37 - loss: 0.4842 - acc: 0.8498 - auroc: 0.65 - ETA: 54:01 - loss:
0.4838 - acc: 0.8499 - auroc: 0.65 - ETA: 53:25 - loss: 0.4838 - acc: 0.8498 - auroc: 0.65 - ETA:
52:51 - loss: 0.4835 - acc: 0.8500 - auroc: 0.65 - ETA: 52:08 - loss: 0.4837 - acc: 0.8500 - auroc

: 0.65 - ETA: 51:25 - loss: 0.4839 - acc: 0.8498 - auroc: 0.65 - ETA: 50:41 - loss: 0.4834 - acc: 0.8499 - auroc: 0.65 - ETA: 49:57 - loss: 0.4833 - acc: 0.8499 - auroc: 0.65 - ETA: 49:13 - loss: 0.4837 - acc: 0.8496 - auroc: 0.65 - ETA: 48:31 - loss: 0.4834 - acc: 0.8499 - auroc: 0.65 - ETA: 47:49 - loss: 0.4833 - acc: 0.8498 - auroc: 0.65 - ETA: 47:04 - loss: 0.4836 - acc: 0.8495 - auroc: 0.65 - ETA: 46:20 - loss: 0.4843 - acc: 0.8494 - auroc: 0.65 - ETA: 45:36 - loss: 0.4842 - acc: 0.8493 - auroc: 0.65 - ETA: 44:51 - loss: 0.4842 - acc: 0.8492 - auroc: 0.65 - ETA: 44:06 - loss: 0.4848 - acc: 0.8489 - auroc: 0.65 - ETA: 43:22 - loss: 0.4847 - acc: 0.8489 - auroc: 0.65 - ETA: 42:38 - loss: 0.4841 - acc: 0.8494 - auroc: 0.65 - ETA: 41:53 - loss: 0.4834 - acc: 0.8497 - auroc: 0.65 - ETA: 41:08 - loss: 0.4833 - acc: 0.8496 - auroc: 0.65 - ETA: 40:22 - loss: 0.4836 - acc: 0.8495 - auroc: 0.65 - ETA: 39:37 - loss: 0.4838 - acc: 0.8494 - auroc: 0.65 - ETA: 38:53 - loss: 0.4835 - acc: 0.8496 - auroc: 0.65 - ETA: 38:08 - loss: 0.4837 - acc: 0.8495 - auroc: 0.65 - ETA: 37:22 - loss: 0.4836 - acc: 0.8494 - auroc: 0.65 - ETA: 36:37 - loss: 0.4834 - acc: 0.8496 - auroc: 0.65 - ETA: 35:51 - loss: 0.4836 - acc: 0.8495 - auroc: 0.65 - ETA: 35:06 - loss: 0.4838 - acc: 0.8493 - auroc: 0.65 - ETA: 34:20 - loss: 0.4838 - acc: 0.8494 - auroc: 0.65 - ETA: 33:35 - loss: 0.4842 - acc: 0.8491 - auroc: 0.65 - ETA: 32:49 - loss: 0.4839 - acc: 0.8492 - auroc: 0.65 - ETA: 32:04 - loss: 0.4838 - acc: 0.8492 - auroc: 0.65 - ETA: 31:18 - loss: 0.4838 - acc: 0.8491 - auroc: 0.65 - ETA: 30:32 - loss: 0.4839 - acc: 0.8490 - auroc: 0.65 - ETA: 29:46 - loss: 0.4839 - acc: 0.8489 - auroc: 0.65 - ETA: 29:00 - loss: 0.4833 - acc: 0.8490 - auroc: 0.65 - ETA: 28:15 - loss: 0.4836 - acc: 0.8488 - auroc: 0.65 - ETA: 27:29 - loss: 0.4836 - acc: 0.8487 - auroc: 0.65 - ETA: 26:43 - loss: 0.4834 - acc: 0.8490 - auroc: 0.65 - ETA: 25:57 - loss: 0.4833 - acc: 0.8491 - auroc: 0.65 - ETA: 25:11 - loss: 0.4834 - acc: 0.8490 - auroc: 0.65 - ETA: 24:25 - loss: 0.4838 - acc: 0.8488 - auroc: 0.65 - ETA: 23:39 - loss: 0.4841 - acc: 0.8488 - auroc: 0.65 - ETA: 22:53 - loss: 0.4841 - acc: 0.8488 - auroc: 0.65 - ETA: 22:07 - loss: 0.4841 - acc: 0.8487 - auroc: 0.65 - ETA: 21:21 - loss: 0.4844 - acc: 0.8486 - auroc: 0.65 - ETA: 20:35 - loss: 0.4844 - acc: 0.8485 - auroc: 0.65 - ETA: 19:49 - loss: 0.4844 - acc: 0.8485 - auroc: 0.65 - ETA: 19:02 - loss: 0.4840 - acc: 0.8486 - auroc: 0.65 - ETA: 18:16 - loss: 0.4834 - acc: 0.8489 - auroc: 0.65 - ETA: 17:30 - loss: 0.4833 - acc: 0.8489 - auroc: 0.65 - ETA: 16:43 - loss: 0.4834 - acc: 0.8488 - auroc: 0.65 - ETA: 15:57 - loss: 0.4837 - acc: 0.8486 - auroc: 0.65 - ETA: 15:10 - loss: 0.4843 - acc: 0.8483 - auroc: 0.65 - ETA: 14:24 - loss: 0.4843 - acc: 0.8482 - auroc: 0.65 - ETA: 13:38 - loss: 0.4847 - acc: 0.8480 - auroc: 0.65 - ETA: 12:51 - loss: 0.4846 - acc: 0.8479 - auroc: 0.65 - ETA: 12:05 - loss: 0.4843 - acc: 0.8481 - auroc: 0.65 - ETA: 11:18 - loss: 0.4841 - acc: 0.8481 - auroc: 0.65 - ETA: 10:32 - loss: 0.4843 - acc: 0.8480 - auroc: 0.65 - ETA: 9:45 - loss: 0.4843 - acc: 0.8480 - auroc: 0.6562 - ETA: 8:59 - loss: 0.4842 - acc: 0.8480 - auroc: 0.656 - ETA: 8:12 - loss: 0.4840 - acc: 0.8481 - auroc: 0.656 - ETA: 7:25 - loss: 0.4840 - acc: 0.8481 - auroc: 0.656 - ETA: 6:39 - loss: 0.4835 - acc: 0.8483 - auroc: 0.657 - ETA: 5:52 - loss: 0.4834 - acc: 0.8484 - auroc: 0.657 - ETA: 5:06 - loss: 0.4835 - acc: 0.8482 - auroc: 0.657 - ETA: 4:19 - loss: 0.4833 - acc: 0.8483 - auroc: 0.657 - ETA: 3:33 - loss: 0.4833 - acc: 0.8482 - auroc: 0.657 - ETA: 2:47 - loss: 0.4833 - acc: 0.8483 - auroc: 0.657 - ETA: 2:00 - loss: 0.4830 - acc: 0.8484 - auroc: 0.657 - ETA: 1:13 - loss: 0.4828 - acc: 0.8484 - auroc: 0.658 - ETA: 26s - loss: 0.4829 - acc: 0.8483 - auroc: 0.658 - 6720s 96ms/step - loss: 0.4832 - acc: 0.8482 - auroc: 0.6584 - val_loss: 0.4806 - val_acc: 0.8486 - val_auroc: 0.7271
Epoch 5/15
69918/69918 [==============================] - ETA: 1:55:35 - loss: 0.5060 - acc: 0.8301 - auroc: 0.67 - ETA: 1:54:22 - loss: 0.4914 - acc: 0.8359 - auroc: 0.68 - ETA: 1:53:28 - loss: 0.4833 - acc: 0.8418 - auroc: 0.68 - ETA: 1:52:41 - loss: 0.4836 - acc: 0.8462 - auroc: 0.66 - ETA: 1:51:31 - loss: 0.4767 - acc: 0.8496 - auroc: 0.67 - ETA: 1:50:52 - loss: 0.4817 - acc: 0.8483 - auroc: 0.66 - ETA: 1:49:55 - loss: 0.4807 - acc: 0.8465 - auroc: 0.67 - ETA: 1:48:58 - loss: 0.4797 - acc: 0.8464 - auroc: 0.67 - ETA: 1:47:57 - loss: 0.4795 - acc: 0.8472 - auroc: 0.66 - ETA: 1:47:00 - loss: 0.4783 - acc: 0.8475 - auroc: 0.67 - ETA: 1:46:04 - loss: 0.4785 - acc: 0.8466 - auroc: 0.67 - ETA: 1:45:09 - loss: 0.4767 - acc: 0.8473 - auroc: 0.67 - ETA: 1:44:11 - loss: 0.4761 - acc: 0.8471 - auroc: 0.68 - ETA: 1:43:11 - loss: 0.4772 - acc: 0.8458 - auroc: 0.68 - ETA: 1:42:18 - loss: 0.4769 - acc: 0.8457 - auroc: 0.68 - ETA: 1:41:23 - loss: 0.4775 - acc: 0.8447 - auroc: 0.68 - ETA: 1:40:29 - loss: 0.4764 - acc: 0.8456 - auroc: 0.68 - ETA: 1:39:42 - loss: 0.4740 - acc: 0.8474 - auroc: 0.68 - ETA: 1:38:48 - loss: 0.4749 - acc: 0.8464 - auroc: 0.68 - ETA: 1:37:54 - loss: 0.4731 - acc: 0.8481 - auroc: 0.68 - ETA: 1:37:02 - loss: 0.4732 - acc: 0.8484 - auroc: 0.68 - ETA: 1:36:11 - loss: 0.4716 - acc: 0.8490 - auroc: 0.68 - ETA: 1:35:17 - loss: 0.4720 - acc: 0.8494 - auroc: 0.68 - ETA: 1:34:26 - loss: 0.4745 - acc: 0.8477 - auroc: 0.68 - ETA: 1:33:34 - loss: 0.4750 - acc: 0.8474 - auroc: 0.68 - ETA: 1:32:43 - loss: 0.4740 - acc: 0.8480 - auroc: 0.68 - ETA: 1:31:53 - loss: 0.4740 - acc: 0.8478 - auroc: 0.68 - ETA: 1:31:03 - loss: 0.4743 - acc: 0.8474 - auroc: 0.68 - ETA: 1:30:11 - loss: 0.4741 - acc: 0.8477 - auroc: 0.68 - ETA: 1:29:20 - loss: 0.4752 - acc: 0.8470 - auroc: 0.68 - ETA: 1:28:29 - loss: 0.4745 - acc: 0.8476 - auroc: 0.68 - ETA: 1:27:38 - loss: 0.4748 - acc: 0.8476 - auroc: 0.68 - ETA: 1:26:45 - loss: 0.4753 - acc: 0.8472 - auroc: 0.68 - ETA: 1:25:52 - loss: 0.4753 - acc: 0.8473 - auroc: 0.68 - ETA: 1:24:58 - loss: 0.4770 - acc: 0.8467 - auroc: 0.67 - ETA: 1:24:07 - loss: 0.4763 - acc: 0.8470 - auroc: 0.68 - ETA: 1:23:14 - loss: 0.4763 - acc: 0.8471 - auroc: 0.68 - ETA: 1:22:22 - loss: 0.4768 - acc: 0.8470 - auroc: 0.67 - ETA: 1:21:30 - loss: 0.4765 - acc: 0.8472 - auroc: 0.67 - ETA: 1:20:38 - loss: 0.4764 - acc: 0.8476 - auroc: 0.67 - ETA: 1:19:41 - loss: 0.4781 - acc: 0.8466 - auroc: 0.67 - ETA: 1:18:46 - loss: 0.4774 - acc: 0.8471 - auroc: 0.67 - ETA: 1:17:51 - loss: 0.4784 - acc: 0.8465 - auroc: 0.67 - ETA: 1:16:56 - loss: 0.4781 - acc: 0.8465 - auroc: 0.67 - ETA: 1:16:01 - loss: 0.4775 - acc: 0.8467 - auroc: 0.67 - ETA: 1:15:06 - loss: 0.4783 - acc: 0.8461 - auroc: 0.67 - ETA: 1:14:12 - loss: 0.4773 - acc: 0.8465 - auroc: 0.67 - ETA: 1:13:18 - loss: 0.4773 - acc: 0.8463 - auroc: 0.67 - ETA: 1:12:24 - loss: 0.4772 - acc: 0.8465 - auroc: 0.67 - ETA: 1:11:30 - loss: 0.4766 - acc: 0.8470 - auroc: 0.67 - ETA: 1:10:37 - loss: 0.4768 - acc: 0.8470 - auroc: 0.67 - ETA: 1:09:44 - loss: 0.4788 - acc: 0.8463 - auroc: 0.67 - ETA: 1:08:51 - loss: 0.4789 - acc: 0.8461 - auroc: 0.67 - ETA: 1:07:58 - loss: 0.4785 - acc: 0.8461 - auroc: 0.67 - ETA: 1:07:06 - loss: 0.4790 - acc: 0.8458 - auroc: 0.67 - ETA: 1:06:14 - loss: 0.4787 - acc: 0.8459 - auroc: 0.67 - ETA: 1:05:22 - loss: 0.4784 - acc: 0.8464 - auroc: 0.67 - ETA: 1:04:30 - loss: 0.4779 - acc: 0.8467 - auroc: 0.67 - ETA: 1:03:38 - loss: 0.4777 -

acc: 0.8469 - auroc: 0.67 - ETA: 1:02:47 - loss: 0.4780 - acc: 0.8469 - auroc: 0.67 - ETA: 1:01:56 - loss: 0.4776 - acc: 0.8471 - auroc: 0.67 - ETA: 1:01:05 - loss: 0.4775 - acc: 0.8472 - auroc: 0. 67 - ETA: 1:00:14 - loss: 0.4778 - acc: 0.8472 - auroc: 0.67 - ETA: 59:22 - loss: 0.4776 - acc: 0. 8472 - auroc: 0.6755 - ETA: 58:31 - loss: 0.4775 - acc: 0.8471 - auroc: 0.67 - ETA: 57:41 - loss: 0.4772 - acc: 0.8471 - auroc: 0.67 - ETA: 56:50 - loss: 0.4768 - acc: 0.8470 - auroc: 0.67 - ETA: 55:59 - loss: 0.4769 - acc: 0.8470 - auroc: 0.67 - ETA: 55:08 - loss: 0.4763 - acc: 0.8471 - auroc : 0.67 - ETA: 54:18 - loss: 0.4765 - acc: 0.8470 - auroc: 0.67 - ETA: 53:27 - loss: 0.4765 - acc: 0.8469 - auroc: 0.68 - ETA: 52:37 - loss: 0.4765 - acc: 0.8469 - auroc: 0.68 - ETA: 51:47 - loss: 0.4763 - acc: 0.8470 - auroc: 0.68 - ETA: 50:57 - loss: 0.4763 - acc: 0.8470 - auroc: 0.68 - ETA: 50:06 - loss: 0.4768 - acc: 0.8468 - auroc: 0.67 - ETA: 49:17 - loss: 0.4770 - acc: 0.8467 - auroc : 0.67 - ETA: 48:27 - loss: 0.4770 - acc: 0.8468 - auroc: 0.67 - ETA: 47:37 - loss: 0.4765 - acc: 0.8472 - auroc: 0.67 - ETA: 46:47 - loss: 0.4766 - acc: 0.8471 - auroc: 0.67 - ETA: 45:57 - loss: 0.4769 - acc: 0.8469 - auroc: 0.67 - ETA: 45:07 - loss: 0.4767 - acc: 0.8470 - auroc: 0.67 - ETA: 44:18 - loss: 0.4770 - acc: 0.8468 - auroc: 0.67 - ETA: 43:29 - loss: 0.4771 - acc: 0.8467 - auroc : 0.67 - ETA: 42:39 - loss: 0.4773 - acc: 0.8467 - auroc: 0.67 - ETA: 41:50 - loss: 0.4774 - acc: 0.8468 - auroc: 0.67 - ETA: 41:00 - loss: 0.4772 - acc: 0.8470 - auroc: 0.67 - ETA: 40:11 - loss: 0.4773 - acc: 0.8468 - auroc: 0.67 - ETA: 39:21 - loss: 0.4770 - acc: 0.8468 - auroc: 0.67 - ETA: 38:32 - loss: 0.4765 - acc: 0.8470 - auroc: 0.67 - ETA: 37:43 - loss: 0.4768 - acc: 0.8469 - auroc : 0.67 - ETA: 36:54 - loss: 0.4764 - acc: 0.8470 - auroc: 0.68 - ETA: 36:04 - loss: 0.4770 - acc: 0.8467 - auroc: 0.67 - ETA: 35:15 - loss: 0.4771 - acc: 0.8466 - auroc: 0.68 - ETA: 34:26 - loss: 0.4768 - acc: 0.8467 - auroc: 0.68 - ETA: 33:37 - loss: 0.4770 - acc: 0.8466 - auroc: 0.68 - ETA: 32:48 - loss: 0.4771 - acc: 0.8465 - auroc: 0.68 - ETA: 31:59 - loss: 0.4767 - acc: 0.8467 - auroc : 0.68 - ETA: 31:10 - loss: 0.4768 - acc: 0.8466 - auroc: 0.68 - ETA: 30:21 - loss: 0.4770 - acc: 0.8467 - auroc: 0.67 - ETA: 29:32 - loss: 0.4763 - acc: 0.8471 - auroc: 0.67 - ETA: 28:43 - loss: 0.4762 - acc: 0.8470 - auroc: 0.67 - ETA: 27:55 - loss: 0.4758 - acc: 0.8472 - auroc: 0.68 - ETA: 27:06 - loss: 0.4755 - acc: 0.8475 - auroc: 0.67 - ETA: 26:17 - loss: 0.4755 - acc: 0.8475 - auroc : 0.68 - ETA: 25:28 - loss: 0.4754 - acc: 0.8475 - auroc: 0.68 - ETA: 24:34 - loss: 0.4754 - acc: 0.8474 - auroc: 0.68 - ETA: 23:40 - loss: 0.4752 - acc: 0.8476 - auroc: 0.67 - ETA: 22:46 - loss: 0.4748 - acc: 0.8479 - auroc: 0.67 - ETA: 21:53 - loss: 0.4749 - acc: 0.8478 - auroc: 0.67 - ETA: 21:00 - loss: 0.4746 - acc: 0.8481 - auroc: 0.67 - ETA: 20:07 - loss: 0.4745 - acc: 0.8482 - auroc : 0.67 - ETA: 19:15 - loss: 0.4744 - acc: 0.8483 - auroc: 0.67 - ETA: 18:24 - loss: 0.4740 - acc: 0.8483 - auroc: 0.67 - ETA: 17:33 - loss: 0.4743 - acc: 0.8483 - auroc: 0.67 - ETA: 16:42 - loss: 0.4741 - acc: 0.8482 - auroc: 0.68 - ETA: 15:52 - loss: 0.4737 - acc: 0.8485 - auroc: 0.68 - ETA: 15:03 - loss: 0.4740 - acc: 0.8483 - auroc: 0.68 - ETA: 14:14 - loss: 0.4742 - acc: 0.8482 - auroc : 0.68 - ETA: 13:25 - loss: 0.4740 - acc: 0.8482 - auroc: 0.68 - ETA: 12:37 - loss: 0.4743 - acc: 0.8481 - auroc: 0.68 - ETA: 11:49 - loss: 0.4744 - acc: 0.8480 - auroc: 0.68 - ETA: 11:01 - loss: 0.4742 - acc: 0.8481 - auroc: 0.68 - ETA: 10:14 - loss: 0.4739 - acc: 0.8483 - auroc: 0.68 - ETA: 9:27 - loss: 0.4737 - acc: 0.8484 - auroc: 0.6801 - ETA: 8:40 - loss: 0.4734 - acc: 0.8485 - auroc : 0.680 - ETA: 7:54 - loss: 0.4735 - acc: 0.8486 - auroc: 0.680 - ETA: 7:07 - loss: 0.4735 - acc: 0.8486 - auroc: 0.679 - ETA: 6:22 - loss: 0.4734 - acc: 0.8485 - auroc: 0.680 - ETA: 5:36 - loss: 0.4732 - acc: 0.8487 - auroc: 0.680 - ETA: 4:51 - loss: 0.4734 - acc: 0.8486 - auroc: 0.680 - ETA: 4:06 - loss: 0.4732 - acc: 0.8485 - auroc: 0.680 - ETA: 3:21 - loss: 0.4731 - acc: 0.8486 - auroc: 0.680 - ETA: 2:36 - loss: 0.4730 - acc: 0.8486 - auroc: 0.680 - ETA: 1:52 - loss: 0.4733 - acc: 0. 8484 - auroc: 0.680 - ETA: 1:08 - loss: 0.4732 - acc: 0.8485 - auroc: 0.680 - ETA: 24s - loss: 0.4 731 - acc: 0.8484 - auroc: 0.681 - 6101s 87ms/step - loss: 0.4732 - acc: 0.8484 - auroc: 0.6809 - val_loss: 0.4664 - val_acc: 0.8486 - val_auroc: 0.7291
Epoch 6/15
69918/69918 [==============================] - ETA: 1:00:18 - loss: 0.4394 - acc: 0.8730 - auroc: 0.64 - ETA: 59:26 - loss: 0.4575 - acc: 0.8574 - auroc: 0.6772 - ETA: 59:00 - loss: 0.4630 - acc: 0.8509 - auroc: 0.68 - ETA: 58:27 - loss: 0.4501 - acc: 0.8599 - auroc: 0.68 - ETA: 58:00 - loss: 0.4582 - acc: 0.8566 - auroc: 0.68 - ETA: 57:32 - loss: 0.4618 - acc: 0.8542 - auroc: 0.68 - ETA: 57:08 - loss: 0.4670 - acc: 0.8516 - auroc: 0.67 - ETA: 56:52 - loss: 0.4697 - acc: 0.8501 - auroc : 0.67 - ETA: 56:23 - loss: 0.4706 - acc: 0.8477 - auroc: 0.68 - ETA: 55:54 - loss: 0.4776 - acc: 0.8439 - auroc: 0.67 - ETA: 55:24 - loss: 0.4756 - acc: 0.8461 - auroc: 0.67 - ETA: 54:58 - loss: 0.4733 - acc: 0.8472 - auroc: 0.68 - ETA: 54:32 - loss: 0.4754 - acc: 0.8463 - auroc: 0.68 - ETA: 54:11 - loss: 0.4752 - acc: 0.8458 - auroc: 0.68 - ETA: 53:48 - loss: 0.4747 - acc: 0.8460 - auroc : 0.68 - ETA: 53:18 - loss: 0.4737 - acc: 0.8467 - auroc: 0.68 - ETA: 52:49 - loss: 0.4705 - acc: 0.8486 - auroc: 0.68 - ETA: 52:23 - loss: 0.4712 - acc: 0.8483 - auroc: 0.68 - ETA: 51:56 - loss: 0.4708 - acc: 0.8490 - auroc: 0.68 - ETA: 51:29 - loss: 0.4709 - acc: 0.8490 - auroc: 0.68 - ETA: 51:04 - loss: 0.4705 - acc: 0.8496 - auroc: 0.67 - ETA: 50:37 - loss: 0.4686 - acc: 0.8513 - auroc : 0.67 - ETA: 50:09 - loss: 0.4686 - acc: 0.8515 - auroc: 0.67 - ETA: 49:42 - loss: 0.4695 - acc: 0.8505 - auroc: 0.67 - ETA: 49:14 - loss: 0.4697 - acc: 0.8501 - auroc: 0.67 - ETA: 48:47 - loss: 0.4690 - acc: 0.8508 - auroc: 0.67 - ETA: 48:20 - loss: 0.4698 - acc: 0.8508 - auroc: 0.67 - ETA: 47:53 - loss: 0.4707 - acc: 0.8499 - auroc: 0.67 - ETA: 47:25 - loss: 0.4707 - acc: 0.8495 - auroc : 0.67 - ETA: 46:58 - loss: 0.4707 - acc: 0.8495 - auroc: 0.67 - ETA: 46:31 - loss: 0.4713 - acc: 0.8492 - auroc: 0.67 - ETA: 46:04 - loss: 0.4709 - acc: 0.8494 - auroc: 0.67 - ETA: 45:38 - loss: 0.4698 - acc: 0.8497 - auroc: 0.67 - ETA: 45:12 - loss: 0.4693 - acc: 0.8500 - auroc: 0.67 - ETA: 44:45 - loss: 0.4678 - acc: 0.8503 - auroc: 0.68 - ETA: 44:19 - loss: 0.4672 - acc: 0.8506 - auroc : 0.68 - ETA: 43:54 - loss: 0.4673 - acc: 0.8504 - auroc: 0.68 - ETA: 43:28 - loss: 0.4673 - acc: 0.8502 - auroc: 0.68 - ETA: 43:03 - loss: 0.4680 - acc: 0.8495 - auroc: 0.68 - ETA: 42:37 - loss: 0.4691 - acc: 0.8491 - auroc: 0.68 - ETA: 42:13 - loss: 0.4690 - acc: 0.8491 - auroc: 0.68 - ETA: 41:47 - loss: 0.4696 - acc: 0.8490 - auroc: 0.68 - ETA: 41:21 - loss: 0.4690 - acc: 0.8495 - auroc : 0.68 - ETA: 40:54 - loss: 0.4693 - acc: 0.8497 - auroc: 0.68 - ETA: 40:28 - loss: 0.4702 - acc: 0.8492 - auroc: 0.68 - ETA: 40:01 - loss: 0.4708 - acc: 0.8489 - auroc: 0.68 - ETA: 39:34 - loss: 0.4704 - acc: 0.8491 - auroc: 0.68 - ETA: 39:08 - loss: 0.4704 - acc: 0.8491 - auroc: 0.68 - ETA: 38:42 - loss: 0.4721 - acc: 0.8481 - auroc: 0.68 - ETA: 38:15 - loss: 0.4716 - acc: 0.8485 - auroc : 0.68 - ETA: 37:49 - loss: 0.4718 - acc: 0.8486 - auroc: 0.68 - ETA: 37:22 - loss: 0.4715 - acc:

0.8486 - auroc: 0.68 - ETA: 36:56 - loss: 0.4722 - acc: 0.8481 - auroc: 0.68 - ETA: 36:30 - loss:
0.4724 - acc: 0.8479 - auroc: 0.68 - ETA: 36:03 - loss: 0.4725 - acc: 0.8479 - auroc: 0.68 - ETA:
35:37 - loss: 0.4724 - acc: 0.8480 - auroc: 0.68 - ETA: 35:11 - loss: 0.4721 - acc: 0.8480 - auroc
: 0.68 - ETA: 34:45 - loss: 0.4729 - acc: 0.8474 - auroc: 0.68 - ETA: 34:19 - loss: 0.4729 - acc:
0.8473 - auroc: 0.68 - ETA: 33:52 - loss: 0.4723 - acc: 0.8475 - auroc: 0.68 - ETA: 33:25 - loss:
0.4722 - acc: 0.8478 - auroc: 0.68 - ETA: 32:58 - loss: 0.4725 - acc: 0.8476 - auroc: 0.68 - ETA:
32:31 - loss: 0.4719 - acc: 0.8481 - auroc: 0.68 - ETA: 32:05 - loss: 0.4714 - acc: 0.8481 - auroc
: 0.68 - ETA: 31:38 - loss: 0.4713 - acc: 0.8483 - auroc: 0.68 - ETA: 31:11 - loss: 0.4716 - acc:
0.8481 - auroc: 0.68 - ETA: 30:44 - loss: 0.4713 - acc: 0.8481 - auroc: 0.68 - ETA: 30:17 - loss:
0.4714 - acc: 0.8481 - auroc: 0.68 - ETA: 29:50 - loss: 0.4714 - acc: 0.8480 - auroc: 0.68 - ETA:
29:23 - loss: 0.4714 - acc: 0.8479 - auroc: 0.68 - ETA: 28:56 - loss: 0.4705 - acc: 0.8484 - auroc
: 0.68 - ETA: 28:29 - loss: 0.4701 - acc: 0.8484 - auroc: 0.68 - ETA: 28:03 - loss: 0.4704 - acc:
0.8481 - auroc: 0.68 - ETA: 27:36 - loss: 0.4700 - acc: 0.8482 - auroc: 0.68 - ETA: 27:09 - loss:
0.4699 - acc: 0.8481 - auroc: 0.68 - ETA: 26:43 - loss: 0.4692 - acc: 0.8484 - auroc: 0.68 - ETA:
26:16 - loss: 0.4691 - acc: 0.8484 - auroc: 0.68 - ETA: 25:49 - loss: 0.4694 - acc: 0.8483 - auroc
: 0.68 - ETA: 25:22 - loss: 0.4691 - acc: 0.8483 - auroc: 0.68 - ETA: 24:56 - loss: 0.4690 - acc:
0.8482 - auroc: 0.68 - ETA: 24:29 - loss: 0.4688 - acc: 0.8483 - auroc: 0.68 - ETA: 24:02 - loss:
0.4687 - acc: 0.8483 - auroc: 0.68 - ETA: 23:35 - loss: 0.4686 - acc: 0.8483 - auroc: 0.68 - ETA:
23:08 - loss: 0.4684 - acc: 0.8483 - auroc: 0.68 - ETA: 22:42 - loss: 0.4683 - acc: 0.8484 - auroc
: 0.68 - ETA: 22:15 - loss: 0.4681 - acc: 0.8484 - auroc: 0.68 - ETA: 21:48 - loss: 0.4682 - acc:
0.8484 - auroc: 0.68 - ETA: 21:22 - loss: 0.4683 - acc: 0.8483 - auroc: 0.68 - ETA: 20:55 - loss:
0.4688 - acc: 0.8479 - auroc: 0.68 - ETA: 20:28 - loss: 0.4686 - acc: 0.8481 - auroc: 0.68 - ETA:
20:02 - loss: 0.4689 - acc: 0.8478 - auroc: 0.68 - ETA: 19:35 - loss: 0.4689 - acc: 0.8478 - auroc
: 0.69 - ETA: 19:09 - loss: 0.4685 - acc: 0.8480 - auroc: 0.69 - ETA: 18:42 - loss: 0.4682 - acc:
0.8482 - auroc: 0.69 - ETA: 18:16 - loss: 0.4683 - acc: 0.8481 - auroc: 0.69 - ETA: 17:49 - loss:
0.4686 - acc: 0.8481 - auroc: 0.68 - ETA: 17:22 - loss: 0.4689 - acc: 0.8480 - auroc: 0.68 - ETA:
16:56 - loss: 0.4693 - acc: 0.8478 - auroc: 0.68 - ETA: 16:30 - loss: 0.4693 - acc: 0.8477 - auroc
: 0.68 - ETA: 16:03 - loss: 0.4690 - acc: 0.8479 - auroc: 0.69 - ETA: 15:37 - loss: 0.4690 - acc:
0.8478 - auroc: 0.69 - ETA: 15:10 - loss: 0.4689 - acc: 0.8478 - auroc: 0.69 - ETA: 14:44 - loss:
0.4683 - acc: 0.8482 - auroc: 0.69 - ETA: 14:17 - loss: 0.4684 - acc: 0.8482 - auroc: 0.69 - ETA:
13:51 - loss: 0.4680 - acc: 0.8484 - auroc: 0.69 - ETA: 13:24 - loss: 0.4680 - acc: 0.8484 - auroc
: 0.69 - ETA: 12:58 - loss: 0.4677 - acc: 0.8485 - auroc: 0.69 - ETA: 12:32 - loss: 0.4671 - acc:
0.8487 - auroc: 0.69 - ETA: 12:05 - loss: 0.4667 - acc: 0.8490 - auroc: 0.69 - ETA: 11:39 - loss:
0.4670 - acc: 0.8488 - auroc: 0.69 - ETA: 11:12 - loss: 0.4670 - acc: 0.8487 - auroc: 0.69 - ETA:
10:46 - loss: 0.4668 - acc: 0.8488 - auroc: 0.69 - ETA: 10:20 - loss: 0.4664 - acc: 0.8490 - auroc
: 0.69 - ETA: 9:53 - loss: 0.4662 - acc: 0.8491 - auroc: 0.6929 - ETA: 9:27 - loss: 0.4664 - acc:
0.8490 - auroc: 0.692 - ETA: 9:01 - loss: 0.4666 - acc: 0.8490 - auroc: 0.692 - ETA: 8:34 - loss:
0.4665 - acc: 0.8490 - auroc: 0.692 - ETA: 8:08 - loss: 0.4664 - acc: 0.8492 - auroc: 0.692 - ETA:
7:41 - loss: 0.4665 - acc: 0.8491 - auroc: 0.692 - ETA: 7:15 - loss: 0.4661 - acc: 0.8493 - auroc:
0.692 - ETA: 6:49 - loss: 0.4661 - acc: 0.8492 - auroc: 0.692 - ETA: 6:22 - loss: 0.4661 - acc: 0.
8491 - auroc: 0.692 - ETA: 5:56 - loss: 0.4664 - acc: 0.8490 - auroc: 0.692 - ETA: 5:30 - loss: 0.
4666 - acc: 0.8490 - auroc: 0.692 - ETA: 5:03 - loss: 0.4664 - acc: 0.8491 - auroc: 0.692 - ETA: 4
:37 - loss: 0.4663 - acc: 0.8491 - auroc: 0.692 - ETA: 4:11 - loss: 0.4669 - acc: 0.8488 - auroc:
0.692 - ETA: 3:44 - loss: 0.4670 - acc: 0.8487 - auroc: 0.692 - ETA: 3:18 - loss: 0.4669 - acc: 0.
8487 - auroc: 0.692 - ETA: 2:52 - loss: 0.4671 - acc: 0.8487 - auroc: 0.691 - ETA: 2:26 - loss: 0.
4670 - acc: 0.8488 - auroc: 0.691 - ETA: 1:59 - loss: 0.4670 - acc: 0.8487 - auroc: 0.692 - ETA: 1
:33 - loss: 0.4674 - acc: 0.8485 - auroc: 0.692 - ETA: 1:07 - loss: 0.4676 - acc: 0.8485 - auroc:
0.691 - ETA: 40s - loss: 0.4676 - acc: 0.8485 - auroc: 0.691 - ETA: 14s - loss: 0.4676 - acc: 0.84
85 - auroc: 0.69 - 3734s 53ms/step - loss: 0.4675 - acc: 0.8485 - auroc: 0.6919 - val_loss: 0.4667
- val_acc: 0.8486 - val_auroc: 0.7316
Epoch 7/15
69918/69918 [==============================] - ETA: 58:56 - loss: 0.5031 - acc: 0.8223 - auroc: 0.
69 - ETA: 58:40 - loss: 0.4656 - acc: 0.8457 - auroc: 0.70 - ETA: 58:06 - loss: 0.4687 - acc: 0.84
24 - auroc: 0.70 - ETA: 57:36 - loss: 0.4691 - acc: 0.8433 - auroc: 0.70 - ETA: 57:01 - loss: 0.47
12 - acc: 0.8418 - auroc: 0.71 - ETA: 56:31 - loss: 0.4671 - acc: 0.8470 - auroc: 0.70 - ETA: 56:0
6 - loss: 0.4691 - acc: 0.8451 - auroc: 0.70 - ETA: 55:37 - loss: 0.4702 - acc: 0.8457 - auroc: 0.
70 - ETA: 55:14 - loss: 0.4674 - acc: 0.8474 - auroc: 0.70 - ETA: 54:49 - loss: 0.4660 - acc: 0.84
82 - auroc: 0.69 - ETA: 54:24 - loss: 0.4627 - acc: 0.8496 - auroc: 0.70 - ETA: 54:03 - loss: 0.45
95 - acc: 0.8504 - auroc: 0.70 - ETA: 53:34 - loss: 0.4561 - acc: 0.8522 - auroc: 0.70 - ETA: 53:0
7 - loss: 0.4577 - acc: 0.8516 - auroc: 0.70 - ETA: 52:42 - loss: 0.4564 - acc: 0.8526 - auroc: 0.
70 - ETA: 52:17 - loss: 0.4562 - acc: 0.8529 - auroc: 0.70 - ETA: 51:51 - loss: 0.4558 - acc: 0.85
31 - auroc: 0.70 - ETA: 51:25 - loss: 0.4513 - acc: 0.8554 - auroc: 0.70 - ETA: 50:59 - loss: 0.45
34 - acc: 0.8541 - auroc: 0.70 - ETA: 50:33 - loss: 0.4535 - acc: 0.8547 - auroc: 0.70 - ETA: 50:0
8 - loss: 0.4508 - acc: 0.8558 - auroc: 0.70 - ETA: 49:42 - loss: 0.4506 - acc: 0.8556 - auroc: 0.
70 - ETA: 49:15 - loss: 0.4533 - acc: 0.8544 - auroc: 0.70 - ETA: 48:49 - loss: 0.4553 - acc: 0.85
32 - auroc: 0.70 - ETA: 48:23 - loss: 0.4552 - acc: 0.8528 - auroc: 0.71 - ETA: 47:58 - loss: 0.45
49 - acc: 0.8528 - auroc: 0.71 - ETA: 47:30 - loss: 0.4547 - acc: 0.8524 - auroc: 0.71 - ETA: 47:0
3 - loss: 0.4554 - acc: 0.8518 - auroc: 0.71 - ETA: 46:38 - loss: 0.4565 - acc: 0.8511 - auroc: 0.
71 - ETA: 46:12 - loss: 0.4566 - acc: 0.8511 - auroc: 0.71 - ETA: 45:46 - loss: 0.4565 - acc: 0.85
11 - auroc: 0.71 - ETA: 45:20 - loss: 0.4556 - acc: 0.8517 - auroc: 0.71 - ETA: 44:55 - loss: 0.45
71 - acc: 0.8511 - auroc: 0.71 - ETA: 44:29 - loss: 0.4570 - acc: 0.8513 - auroc: 0.71 - ETA: 44:0
3 - loss: 0.4575 - acc: 0.8512 - auroc: 0.71 - ETA: 43:37 - loss: 0.4567 - acc: 0.8515 - auroc: 0.
71 - ETA: 43:13 - loss: 0.4564 - acc: 0.8514 - auroc: 0.71 - ETA: 42:46 - loss: 0.4554 - acc: 0.85
17 - auroc: 0.71 - ETA: 42:20 - loss: 0.4547 - acc: 0.8518 - auroc: 0.71 - ETA: 41:54 - loss: 0.45
35 - acc: 0.8523 - auroc: 0.71 - ETA: 41:29 - loss: 0.4546 - acc: 0.8519 - auroc: 0.71 - ETA: 41:0
3 - loss: 0.4549 - acc: 0.8518 - auroc: 0.71 - ETA: 40:37 - loss: 0.4555 - acc: 0.8511 - auroc: 0.
71 - ETA: 40:10 - loss: 0.4560 - acc: 0.8509 - auroc: 0.71 - ETA: 39:44 - loss: 0.4570 - acc: 0.85

02 - auroc: 0.71 - ETA: 39:18 - loss: 0.4583 - acc: 0.8497 - auroc: 0.71 - ETA: 38:52 - loss: 0.45
89 - acc: 0.8491 - auroc: 0.71 - ETA: 38:25 - loss: 0.4585 - acc: 0.8494 - auroc: 0.71 - ETA: 37:5
9 - loss: 0.4592 - acc: 0.8490 - auroc: 0.71 - ETA: 37:33 - loss: 0.4597 - acc: 0.8485 - auroc: 0.
71 - ETA: 37:07 - loss: 0.4597 - acc: 0.8487 - auroc: 0.71 - ETA: 36:41 - loss: 0.4600 - acc: 0.84
84 - auroc: 0.71 - ETA: 36:15 - loss: 0.4602 - acc: 0.8484 - auroc: 0.71 - ETA: 35:49 - loss: 0.46
03 - acc: 0.8486 - auroc: 0.71 - ETA: 35:23 - loss: 0.4606 - acc: 0.8484 - auroc: 0.71 - ETA: 34:5
6 - loss: 0.4599 - acc: 0.8487 - auroc: 0.71 - ETA: 34:30 - loss: 0.4605 - acc: 0.8482 - auroc: 0.
71 - ETA: 34:04 - loss: 0.4606 - acc: 0.8482 - auroc: 0.71 - ETA: 33:38 - loss: 0.4603 - acc: 0.84
83 - auroc: 0.71 - ETA: 33:12 - loss: 0.4601 - acc: 0.8485 - auroc: 0.71 - ETA: 32:46 - loss: 0.45
99 - acc: 0.8485 - auroc: 0.71 - ETA: 32:20 - loss: 0.4604 - acc: 0.8483 - auroc: 0.71 - ETA: 31:5
4 - loss: 0.4607 - acc: 0.8481 - auroc: 0.71 - ETA: 31:28 - loss: 0.4605 - acc: 0.8479 - auroc: 0.
71 - ETA: 31:02 - loss: 0.4601 - acc: 0.8482 - auroc: 0.71 - ETA: 30:36 - loss: 0.4600 - acc: 0.84
82 - auroc: 0.71 - ETA: 30:10 - loss: 0.4602 - acc: 0.8482 - auroc: 0.71 - ETA: 29:43 - loss: 0.46
02 - acc: 0.8483 - auroc: 0.71 - ETA: 29:17 - loss: 0.4595 - acc: 0.8488 - auroc: 0.71 - ETA: 28:5
1 - loss: 0.4594 - acc: 0.8488 - auroc: 0.71 - ETA: 28:25 - loss: 0.4596 - acc: 0.8486 - auroc: 0.
71 - ETA: 28:00 - loss: 0.4599 - acc: 0.8488 - auroc: 0.71 - ETA: 27:33 - loss: 0.4598 - acc: 0.84
85 - auroc: 0.71 - ETA: 27:07 - loss: 0.4596 - acc: 0.8489 - auroc: 0.71 - ETA: 26:41 - loss: 0.46
00 - acc: 0.8487 - auroc: 0.71 - ETA: 26:15 - loss: 0.4603 - acc: 0.8485 - auroc: 0.71 - ETA: 25:4
9 - loss: 0.4606 - acc: 0.8484 - auroc: 0.71 - ETA: 25:23 - loss: 0.4608 - acc: 0.8482 - auroc: 0.
71 - ETA: 24:57 - loss: 0.4612 - acc: 0.8481 - auroc: 0.71 - ETA: 24:31 - loss: 0.4613 - acc: 0.84
81 - auroc: 0.71 - ETA: 24:05 - loss: 0.4610 - acc: 0.8481 - auroc: 0.71 - ETA: 23:38 - loss: 0.46
04 - acc: 0.8484 - auroc: 0.71 - ETA: 23:12 - loss: 0.4608 - acc: 0.8485 - auroc: 0.71 - ETA: 22:4
6 - loss: 0.4604 - acc: 0.8486 - auroc: 0.71 - ETA: 22:20 - loss: 0.4600 - acc: 0.8489 - auroc: 0.
71 - ETA: 21:54 - loss: 0.4601 - acc: 0.8488 - auroc: 0.71 - ETA: 21:28 - loss: 0.4605 - acc: 0.84
87 - auroc: 0.71 - ETA: 21:02 - loss: 0.4604 - acc: 0.8488 - auroc: 0.71 - ETA: 20:36 - loss: 0.46
07 - acc: 0.8486 - auroc: 0.71 - ETA: 20:10 - loss: 0.4606 - acc: 0.8488 - auroc: 0.71 - ETA: 19:4
4 - loss: 0.4607 - acc: 0.8488 - auroc: 0.71 - ETA: 19:18 - loss: 0.4610 - acc: 0.8486 - auroc: 0.
71 - ETA: 18:52 - loss: 0.4609 - acc: 0.8487 - auroc: 0.71 - ETA: 18:26 - loss: 0.4611 - acc: 0.84
87 - auroc: 0.71 - ETA: 18:00 - loss: 0.4617 - acc: 0.8484 - auroc: 0.70 - ETA: 17:34 - loss: 0.46
20 - acc: 0.8484 - auroc: 0.70 - ETA: 17:08 - loss: 0.4627 - acc: 0.8481 - auroc: 0.70 - ETA: 16:4
2 - loss: 0.4627 - acc: 0.8481 - auroc: 0.70 - ETA: 16:16 - loss: 0.4627 - acc: 0.8481 - auroc: 0.
70 - ETA: 15:50 - loss: 0.4627 - acc: 0.8481 - auroc: 0.70 - ETA: 15:24 - loss: 0.4627 - acc: 0.84
81 - auroc: 0.70 - ETA: 14:58 - loss: 0.4624 - acc: 0.8483 - auroc: 0.70 - ETA: 14:32 - loss: 0.46
23 - acc: 0.8483 - auroc: 0.70 - ETA: 14:06 - loss: 0.4623 - acc: 0.8482 - auroc: 0.70 - ETA: 13:4
0 - loss: 0.4622 - acc: 0.8483 - auroc: 0.70 - ETA: 13:14 - loss: 0.4621 - acc: 0.8484 - auroc: 0.
70 - ETA: 12:48 - loss: 0.4624 - acc: 0.8483 - auroc: 0.70 - ETA: 12:22 - loss: 0.4618 - acc: 0.84
86 - auroc: 0.70 - ETA: 11:56 - loss: 0.4618 - acc: 0.8487 - auroc: 0.70 - ETA: 11:30 - loss: 0.46
14 - acc: 0.8488 - auroc: 0.70 - ETA: 11:04 - loss: 0.4617 - acc: 0.8486 - auroc: 0.70 - ETA: 10:3
8 - loss: 0.4618 - acc: 0.8485 - auroc: 0.70 - ETA: 10:12 - loss: 0.4621 - acc: 0.8483 - auroc: 0.
70 - ETA: 9:46 - loss: 0.4621 - acc: 0.8484 - auroc: 0.7085 - ETA: 9:20 - loss: 0.4620 - acc: 0.84
84 - auroc: 0.708 - ETA: 8:54 - loss: 0.4616 - acc: 0.8486 - auroc: 0.709 - ETA: 8:28 - loss: 0.46
16 - acc: 0.8485 - auroc: 0.709 - ETA: 8:02 - loss: 0.4620 - acc: 0.8482 - auroc: 0.709 - ETA: 7:3
6 - loss: 0.4620 - acc: 0.8484 - auroc: 0.709 - ETA: 7:10 - loss: 0.4620 - acc: 0.8483 - auroc: 0.
709 - ETA: 6:44 - loss: 0.4623 - acc: 0.8482 - auroc: 0.708 - ETA: 6:18 - loss: 0.4625 - acc: 0.84
81 - auroc: 0.708 - ETA: 5:52 - loss: 0.4623 - acc: 0.8482 - auroc: 0.708 - ETA: 5:26 - loss: 0.46
22 - acc: 0.8483 - auroc: 0.708 - ETA: 5:00 - loss: 0.4622 - acc: 0.8484 - auroc: 0.708 - ETA: 4:3
4 - loss: 0.4628 - acc: 0.8482 - auroc: 0.707 - ETA: 4:08 - loss: 0.4627 - acc: 0.8483 - auroc: 0.
707 - ETA: 3:42 - loss: 0.4627 - acc: 0.8482 - auroc: 0.707 - ETA: 3:16 - loss: 0.4629 - acc: 0.84
82 - auroc: 0.707 - ETA: 2:50 - loss: 0.4629 - acc: 0.8482 - auroc: 0.707 - ETA: 2:24 - loss: 0.46
31 - acc: 0.8481 - auroc: 0.707 - ETA: 1:58 - loss: 0.4636 - acc: 0.8478 - auroc: 0.707 - ETA: 1:3
2 - loss: 0.4635 - acc: 0.8480 - auroc: 0.707 - ETA: 1:06 - loss: 0.4633 - acc: 0.8480 - auroc: 0.
707 - ETA: 40s - loss: 0.4630 - acc: 0.8481 - auroc: 0.707 - ETA: 14s - loss: 0.4630 - acc: 0.8481
- auroc: 0.70 - 3699s 53ms/step - loss: 0.4627 - acc: 0.8482 - auroc: 0.7080 - val_loss: 0.4538 -
val_acc: 0.8486 - val_auroc: 0.7392
Epoch 8/15
69918/69918 [==============================] - ETA: 1:01:36 - loss: 0.4360 - acc: 0.8535 - auroc:
0.74 - ETA: 59:39 - loss: 0.4180 - acc: 0.8691 - auroc: 0.7165 - ETA: 58:58 - loss: 0.4289 - acc:
0.8646 - auroc: 0.71 - ETA: 58:17 - loss: 0.4394 - acc: 0.8608 - auroc: 0.71 - ETA: 57:36 - loss:
0.4392 - acc: 0.8609 - auroc: 0.71 - ETA: 57:04 - loss: 0.4471 - acc: 0.8564 - auroc: 0.71 - ETA:
56:36 - loss: 0.4514 - acc: 0.8527 - auroc: 0.71 - ETA: 56:04 - loss: 0.4568 - acc: 0.8503 - auroc
: 0.71 - ETA: 55:36 - loss: 0.4571 - acc: 0.8498 - auroc: 0.71 - ETA: 55:10 - loss: 0.4574 - acc:
0.8496 - auroc: 0.71 - ETA: 54:44 - loss: 0.4607 - acc: 0.8468 - auroc: 0.71 - ETA: 54:16 - loss:
0.4631 - acc: 0.8447 - auroc: 0.71 - ETA: 53:50 - loss: 0.4614 - acc: 0.8465 - auroc: 0.71 - ETA:
53:22 - loss: 0.4625 - acc: 0.8465 - auroc: 0.71 - ETA: 52:54 - loss: 0.4600 - acc: 0.8479 - auroc
: 0.71 - ETA: 52:26 - loss: 0.4612 - acc: 0.8477 - auroc: 0.71 - ETA: 52:00 - loss: 0.4611 - acc:
0.8473 - auroc: 0.71 - ETA: 51:33 - loss: 0.4648 - acc: 0.8456 - auroc: 0.71 - ETA: 51:07 - loss:
0.4648 - acc: 0.8457 - auroc: 0.71 - ETA: 50:40 - loss: 0.4646 - acc: 0.8462 - auroc: 0.70 - ETA:
50:13 - loss: 0.4644 - acc: 0.8459 - auroc: 0.71 - ETA: 49:46 - loss: 0.4644 - acc: 0.8459 - auroc
: 0.71 - ETA: 49:20 - loss: 0.4639 - acc: 0.8467 - auroc: 0.70 - ETA: 48:54 - loss: 0.4643 - acc:
0.8469 - auroc: 0.70 - ETA: 48:31 - loss: 0.4627 - acc: 0.8481 - auroc: 0.70 - ETA: 48:04 - loss:
0.4646 - acc: 0.8471 - auroc: 0.70 - ETA: 47:37 - loss: 0.4649 - acc: 0.8473 - auroc: 0.70 - ETA:
47:11 - loss: 0.4640 - acc: 0.8477 - auroc: 0.70 - ETA: 46:45 - loss: 0.4632 - acc: 0.8477 - auroc
: 0.70 - ETA: 46:18 - loss: 0.4643 - acc: 0.8474 - auroc: 0.70 - ETA: 45:52 - loss: 0.4630 - acc:
0.8478 - auroc: 0.70 - ETA: 45:25 - loss: 0.4621 - acc: 0.8483 - auroc: 0.70 - ETA: 45:01 - loss:
0.4630 - acc: 0.8480 - auroc: 0.70 - ETA: 44:34 - loss: 0.4635 - acc: 0.8477 - auroc: 0.70 - ETA:
44:09 - loss: 0.4637 - acc: 0.8473 - auroc: 0.70 - ETA: 43:42 - loss: 0.4638 - acc: 0.8475 - auroc
: 0.70 - ETA: 43:16 - loss: 0.4636 - acc: 0.8477 - auroc: 0.70 - ETA: 42:50 - loss: 0.4637 - acc:

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0.8478 - auroc: 0.70 - ETA: 42:24 - loss: 0.4644 - acc: 0.8470 - auroc: 0.70 - ETA: 41:58 - loss:
0.4638 - acc: 0.8474 - auroc: 0.70 - ETA: 41:31 - loss: 0.4623 - acc: 0.8478 - auroc: 0.70 - ETA:
41:05 - loss: 0.4623 - acc: 0.8480 - auroc: 0.70 - ETA: 40:40 - loss: 0.4622 - acc: 0.8480 - auroc
: 0.70 - ETA: 40:14 - loss: 0.4623 - acc: 0.8477 - auroc: 0.71 - ETA: 39:48 - loss: 0.4627 - acc:
0.8474 - auroc: 0.71 - ETA: 39:22 - loss: 0.4624 - acc: 0.8474 - auroc: 0.71 - ETA: 38:56 - loss:
0.4625 - acc: 0.8474 - auroc: 0.71 - ETA: 38:29 - loss: 0.4617 - acc: 0.8477 - auroc: 0.71 - ETA:
38:03 - loss: 0.4626 - acc: 0.8474 - auroc: 0.71 - ETA: 37:36 - loss: 0.4615 - acc: 0.8479 - auroc
: 0.71 - ETA: 37:10 - loss: 0.4618 - acc: 0.8475 - auroc: 0.71 - ETA: 36:44 - loss: 0.4621 - acc:
0.8474 - auroc: 0.71 - ETA: 36:18 - loss: 0.4618 - acc: 0.8474 - auroc: 0.71 - ETA: 35:52 - loss:
0.4615 - acc: 0.8478 - auroc: 0.71 - ETA: 35:26 - loss: 0.4616 - acc: 0.8477 - auroc: 0.71 - ETA:
35:00 - loss: 0.4615 - acc: 0.8477 - auroc: 0.71 - ETA: 34:33 - loss: 0.4617 - acc: 0.8476 - auroc
: 0.71 - ETA: 34:07 - loss: 0.4620 - acc: 0.8471 - auroc: 0.71 - ETA: 33:41 - loss: 0.4619 - acc:
0.8470 - auroc: 0.71 - ETA: 33:15 - loss: 0.4626 - acc: 0.8467 - auroc: 0.71 - ETA: 32:49 - loss:
0.4626 - acc: 0.8469 - auroc: 0.71 - ETA: 32:22 - loss: 0.4633 - acc: 0.8462 - auroc: 0.71 - ETA:
31:56 - loss: 0.4633 - acc: 0.8462 - auroc: 0.71 - ETA: 31:30 - loss: 0.4631 - acc: 0.8464 - auroc
: 0.71 - ETA: 31:05 - loss: 0.4642 - acc: 0.8460 - auroc: 0.71 - ETA: 30:39 - loss: 0.4639 - acc:
0.8461 - auroc: 0.71 - ETA: 30:13 - loss: 0.4638 - acc: 0.8462 - auroc: 0.71 - ETA: 29:48 - loss:
0.4636 - acc: 0.8463 - auroc: 0.71 - ETA: 29:22 - loss: 0.4634 - acc: 0.8464 - auroc: 0.71 - ETA:
28:56 - loss: 0.4634 - acc: 0.8463 - auroc: 0.71 - ETA: 28:30 - loss: 0.4630 - acc: 0.8466 - auroc
: 0.71 - ETA: 28:04 - loss: 0.4628 - acc: 0.8468 - auroc: 0.71 - ETA: 27:38 - loss: 0.4624 - acc:
0.8469 - auroc: 0.71 - ETA: 27:12 - loss: 0.4622 - acc: 0.8469 - auroc: 0.71 - ETA: 26:45 - loss:
0.4620 - acc: 0.8471 - auroc: 0.71 - ETA: 26:19 - loss: 0.4613 - acc: 0.8473 - auroc: 0.71 - ETA:
25:53 - loss: 0.4613 - acc: 0.8474 - auroc: 0.71 - ETA: 25:27 - loss: 0.4608 - acc: 0.8477 - auroc
: 0.71 - ETA: 25:01 - loss: 0.4600 - acc: 0.8481 - auroc: 0.71 - ETA: 24:35 - loss: 0.4600 - acc:
0.8479 - auroc: 0.71 - ETA: 24:09 - loss: 0.4601 - acc: 0.8477 - auroc: 0.71 - ETA: 23:43 - loss:
0.4604 - acc: 0.8476 - auroc: 0.71 - ETA: 23:16 - loss: 0.4606 - acc: 0.8476 - auroc: 0.71 - ETA:
22:50 - loss: 0.4608 - acc: 0.8475 - auroc: 0.71 - ETA: 22:24 - loss: 0.4605 - acc: 0.8477 - auroc
: 0.71 - ETA: 21:58 - loss: 0.4603 - acc: 0.8477 - auroc: 0.71 - ETA: 21:32 - loss: 0.4607 - acc:
0.8474 - auroc: 0.71 - ETA: 21:06 - loss: 0.4607 - acc: 0.8474 - auroc: 0.71 - ETA: 20:40 - loss:
0.4605 - acc: 0.8475 - auroc: 0.71 - ETA: 20:14 - loss: 0.4607 - acc: 0.8476 - auroc: 0.71 - ETA:
19:48 - loss: 0.4607 - acc: 0.8476 - auroc: 0.71 - ETA: 19:22 - loss: 0.4610 - acc: 0.8474 - auroc
: 0.71 - ETA: 18:56 - loss: 0.4612 - acc: 0.8475 - auroc: 0.71 - ETA: 18:30 - loss: 0.4612 - acc:
0.8475 - auroc: 0.71 - ETA: 18:03 - loss: 0.4611 - acc: 0.8474 - auroc: 0.71 - ETA: 17:37 - loss:
0.4610 - acc: 0.8474 - auroc: 0.71 - ETA: 17:11 - loss: 0.4607 - acc: 0.8474 - auroc: 0.71 - ETA:
16:45 - loss: 0.4604 - acc: 0.8476 - auroc: 0.71 - ETA: 16:19 - loss: 0.4603 - acc: 0.8476 - auroc
: 0.71 - ETA: 15:53 - loss: 0.4598 - acc: 0.8479 - auroc: 0.71 - ETA: 15:27 - loss: 0.4598 - acc:
0.8479 - auroc: 0.71 - ETA: 15:01 - loss: 0.4595 - acc: 0.8480 - auroc: 0.71 - ETA: 14:35 - loss:
0.4592 - acc: 0.8481 - auroc: 0.71 - ETA: 14:09 - loss: 0.4591 - acc: 0.8482 - auroc: 0.71 - ETA:
13:43 - loss: 0.4590 - acc: 0.8481 - auroc: 0.71 - ETA: 13:17 - loss: 0.4585 - acc: 0.8483 - auroc
: 0.71 - ETA: 12:50 - loss: 0.4582 - acc: 0.8485 - auroc: 0.71 - ETA: 12:24 - loss: 0.4583 - acc:
0.8485 - auroc: 0.71 - ETA: 11:58 - loss: 0.4580 - acc: 0.8485 - auroc: 0.71 - ETA: 11:32 - loss:
0.4584 - acc: 0.8483 - auroc: 0.71 - ETA: 11:06 - loss: 0.4585 - acc: 0.8484 - auroc: 0.71 - ETA:
10:40 - loss: 0.4583 - acc: 0.8484 - auroc: 0.71 - ETA: 10:14 - loss: 0.4582 - acc: 0.8485 - auroc
: 0.71 - ETA: 9:48 - loss: 0.4582 - acc: 0.8485 - auroc: 0.7177 - ETA: 9:22 - loss: 0.4586 - acc:
0.8483 - auroc: 0.717 - ETA: 8:56 - loss: 0.4588 - acc: 0.8482 - auroc: 0.717 - ETA: 8:30 - loss:
0.4593 - acc: 0.8479 - auroc: 0.717 - ETA: 8:03 - loss: 0.4594 - acc: 0.8478 - auroc: 0.717 - ETA:
7:37 - loss: 0.4596 - acc: 0.8479 - auroc: 0.716 - ETA: 7:11 - loss: 0.4594 - acc: 0.8480 - auroc:
0.716 - ETA: 6:45 - loss: 0.4593 - acc: 0.8480 - auroc: 0.716 - ETA: 6:19 - loss: 0.4591 - acc: 0.
8482 - auroc: 0.717 - ETA: 5:53 - loss: 0.4593 - acc: 0.8479 - auroc: 0.717 - ETA: 5:27 - loss: 0.
4596 - acc: 0.8477 - auroc: 0.717 - ETA: 5:01 - loss: 0.4594 - acc: 0.8477 - auroc: 0.717 - ETA: 4
:35 - loss: 0.4594 - acc: 0.8475 - auroc: 0.718 - ETA: 4:09 - loss: 0.4591 - acc: 0.8476 - auroc:
0.718 - ETA: 3:43 - loss: 0.4586 - acc: 0.8479 - auroc: 0.719 - ETA: 3:17 - loss: 0.4586 - acc: 0.
8479 - auroc: 0.719 - ETA: 2:51 - loss: 0.4588 - acc: 0.8480 - auroc: 0.718 - ETA: 2:24 - loss: 0.
4585 - acc: 0.8480 - auroc: 0.718 - ETA: 1:58 - loss: 0.4583 - acc: 0.8482 - auroc: 0.719 - ETA: 1
:32 - loss: 0.4580 - acc: 0.8482 - auroc: 0.719 - ETA: 1:06 - loss: 0.4581 - acc: 0.8482 - auroc:
0.719 - ETA: 40s - loss: 0.4581 - acc: 0.8482 - auroc: 0.719 - ETA: 14s - loss: 0.4579 - acc: 0.84
83 - auroc: 0.71 - 3710s 53ms/step - loss: 0.4578 - acc: 0.8484 - auroc: 0.7195 - val_loss: 0.4496
- val_acc: 0.8486 - val_auroc: 0.7409
Epoch 9/15
69918/69918 [==============================] - ETA: 1:01:30 - loss: 0.4470 - acc: 0.8516 - auroc:
0.73 - ETA: 59:45 - loss: 0.4531 - acc: 0.8506 - auroc: 0.7296 - ETA: 58:48 - loss: 0.4628 - acc:
0.8535 - auroc: 0.70 - ETA: 58:09 - loss: 0.4561 - acc: 0.8521 - auroc: 0.72 - ETA: 57:38 - loss:
0.4462 - acc: 0.8559 - auroc: 0.73 - ETA: 57:06 - loss: 0.4457 - acc: 0.8564 - auroc: 0.73 - ETA:
56:38 - loss: 0.4454 - acc: 0.8538 - auroc: 0.74 - ETA: 56:04 - loss: 0.4502 - acc: 0.8508 - auroc
: 0.73 - ETA: 55:32 - loss: 0.4476 - acc: 0.8535 - auroc: 0.73 - ETA: 55:02 - loss: 0.4453 - acc:
0.8541 - auroc: 0.73 - ETA: 54:35 - loss: 0.4479 - acc: 0.8519 - auroc: 0.73 - ETA: 54:11 - loss:
0.4549 - acc: 0.8486 - auroc: 0.72 - ETA: 53:44 - loss: 0.4568 - acc: 0.8481 - auroc: 0.72 - ETA:
53:19 - loss: 0.4606 - acc: 0.8463 - auroc: 0.72 - ETA: 52:52 - loss: 0.4607 - acc: 0.8465 - auroc
: 0.72 - ETA: 52:25 - loss: 0.4615 - acc: 0.8453 - auroc: 0.72 - ETA: 51:57 - loss: 0.4597 - acc:
0.8457 - auroc: 0.72 - ETA: 51:32 - loss: 0.4607 - acc: 0.8447 - auroc: 0.73 - ETA: 51:06 - loss:
0.4584 - acc: 0.8463 - auroc: 0.72 - ETA: 50:40 - loss: 0.4624 - acc: 0.8436 - auroc: 0.72 - ETA:
50:13 - loss: 0.4622 - acc: 0.8431 - auroc: 0.73 - ETA: 49:46 - loss: 0.4613 - acc: 0.8434 - auroc
: 0.73 - ETA: 49:20 - loss: 0.4609 - acc: 0.8443 - auroc: 0.72 - ETA: 48:54 - loss: 0.4603 - acc:
0.8444 - auroc: 0.73 - ETA: 48:27 - loss: 0.4613 - acc: 0.8443 - auroc: 0.72 - ETA: 48:01 - loss:
0.4610 - acc: 0.8445 - auroc: 0.72 - ETA: 47:36 - loss: 0.4603 - acc: 0.8453 - auroc: 0.72 - ETA:
47:09 - loss: 0.4607 - acc: 0.8452 - auroc: 0.72 - ETA: 46:44 - loss: 0.4609 - acc: 0.8450 - auroc
: 0.72 - ETA: 46:18 - loss: 0.4600 - acc: 0.8457 - auroc: 0.72 - ETA: 45:52 - loss: 0.4604 - acc:
```

0.8453 - auroc: 0.72 - ETA: 45:26 - loss: 0.4603 - acc: 0.8457 - auroc: 0.72 - ETA: 45:00 - loss:
0.4590 - acc: 0.8463 - auroc: 0.72 - ETA: 44:35 - loss: 0.4601 - acc: 0.8459 - auroc: 0.72 - ETA:
44:09 - loss: 0.4597 - acc: 0.8462 - auroc: 0.72 - ETA: 43:43 - loss: 0.4606 - acc: 0.8459 - auroc
: 0.72 - ETA: 43:17 - loss: 0.4593 - acc: 0.8467 - auroc: 0.72 - ETA: 42:51 - loss: 0.4582 - acc:
0.8473 - auroc: 0.72 - ETA: 42:24 - loss: 0.4578 - acc: 0.8474 - auroc: 0.72 - ETA: 41:58 - loss:
0.4579 - acc: 0.8475 - auroc: 0.72 - ETA: 41:31 - loss: 0.4568 - acc: 0.8477 - auroc: 0.72 - ETA:
41:05 - loss: 0.4580 - acc: 0.8469 - auroc: 0.72 - ETA: 40:39 - loss: 0.4586 - acc: 0.8468 - auroc
: 0.72 - ETA: 40:12 - loss: 0.4585 - acc: 0.8469 - auroc: 0.72 - ETA: 39:46 - loss: 0.4585 - acc:
0.8468 - auroc: 0.72 - ETA: 39:20 - loss: 0.4579 - acc: 0.8472 - auroc: 0.72 - ETA: 38:53 - loss:
0.4569 - acc: 0.8478 - auroc: 0.72 - ETA: 38:27 - loss: 0.4564 - acc: 0.8481 - auroc: 0.72 - ETA:
38:01 - loss: 0.4558 - acc: 0.8483 - auroc: 0.72 - ETA: 37:34 - loss: 0.4554 - acc: 0.8485 - auroc
: 0.72 - ETA: 37:09 - loss: 0.4548 - acc: 0.8488 - auroc: 0.72 - ETA: 36:43 - loss: 0.4554 - acc:
0.8486 - auroc: 0.72 - ETA: 36:16 - loss: 0.4558 - acc: 0.8482 - auroc: 0.72 - ETA: 35:50 - loss:
0.4549 - acc: 0.8486 - auroc: 0.73 - ETA: 35:24 - loss: 0.4546 - acc: 0.8486 - auroc: 0.73 - ETA:
34:58 - loss: 0.4553 - acc: 0.8480 - auroc: 0.73 - ETA: 34:32 - loss: 0.4550 - acc: 0.8479 - auroc
: 0.73 - ETA: 34:06 - loss: 0.4551 - acc: 0.8478 - auroc: 0.73 - ETA: 33:39 - loss: 0.4546 - acc:
0.8481 - auroc: 0.73 - ETA: 33:13 - loss: 0.4552 - acc: 0.8480 - auroc: 0.73 - ETA: 32:47 - loss:
0.4555 - acc: 0.8479 - auroc: 0.73 - ETA: 32:21 - loss: 0.4567 - acc: 0.8472 - auroc: 0.73 - ETA:
31:55 - loss: 0.4554 - acc: 0.8479 - auroc: 0.73 - ETA: 31:30 - loss: 0.4557 - acc: 0.8477 - auroc
: 0.73 - ETA: 31:04 - loss: 0.4563 - acc: 0.8474 - auroc: 0.73 - ETA: 30:38 - loss: 0.4556 - acc:
0.8479 - auroc: 0.73 - ETA: 30:12 - loss: 0.4556 - acc: 0.8478 - auroc: 0.73 - ETA: 29:46 - loss:
0.4557 - acc: 0.8477 - auroc: 0.73 - ETA: 29:19 - loss: 0.4560 - acc: 0.8476 - auroc: 0.73 - ETA:
28:53 - loss: 0.4560 - acc: 0.8475 - auroc: 0.73 - ETA: 28:27 - loss: 0.4561 - acc: 0.8477 - auroc
: 0.72 - ETA: 28:02 - loss: 0.4562 - acc: 0.8477 - auroc: 0.72 - ETA: 27:35 - loss: 0.4555 - acc:
0.8480 - auroc: 0.73 - ETA: 27:09 - loss: 0.4550 - acc: 0.8483 - auroc: 0.72 - ETA: 26:43 - loss:
0.4545 - acc: 0.8484 - auroc: 0.73 - ETA: 26:17 - loss: 0.4548 - acc: 0.8483 - auroc: 0.73 - ETA:
25:51 - loss: 0.4551 - acc: 0.8483 - auroc: 0.72 - ETA: 25:25 - loss: 0.4549 - acc: 0.8484 - auroc
: 0.72 - ETA: 24:59 - loss: 0.4553 - acc: 0.8482 - auroc: 0.72 - ETA: 24:32 - loss: 0.4552 - acc:
0.8484 - auroc: 0.72 - ETA: 24:06 - loss: 0.4552 - acc: 0.8483 - auroc: 0.72 - ETA: 23:40 - loss:
0.4554 - acc: 0.8482 - auroc: 0.72 - ETA: 23:14 - loss: 0.4550 - acc: 0.8482 - auroc: 0.73 - ETA:
22:48 - loss: 0.4542 - acc: 0.8486 - auroc: 0.73 - ETA: 22:22 - loss: 0.4542 - acc: 0.8486 - auroc
: 0.73 - ETA: 21:55 - loss: 0.4544 - acc: 0.8486 - auroc: 0.73 - ETA: 21:29 - loss: 0.4539 - acc:
0.8489 - auroc: 0.73 - ETA: 21:03 - loss: 0.4541 - acc: 0.8489 - auroc: 0.73 - ETA: 20:37 - loss:
0.4538 - acc: 0.8492 - auroc: 0.73 - ETA: 20:11 - loss: 0.4538 - acc: 0.8493 - auroc: 0.73 - ETA:
19:45 - loss: 0.4545 - acc: 0.8488 - auroc: 0.73 - ETA: 19:19 - loss: 0.4544 - acc: 0.8488 - auroc
: 0.73 - ETA: 18:53 - loss: 0.4541 - acc: 0.8490 - auroc: 0.73 - ETA: 18:27 - loss: 0.4541 - acc:
0.8490 - auroc: 0.73 - ETA: 18:01 - loss: 0.4538 - acc: 0.8493 - auroc: 0.73 - ETA: 17:35 - loss:
0.4538 - acc: 0.8491 - auroc: 0.73 - ETA: 17:09 - loss: 0.4540 - acc: 0.8491 - auroc: 0.73 - ETA:
16:43 - loss: 0.4540 - acc: 0.8492 - auroc: 0.73 - ETA: 16:17 - loss: 0.4541 - acc: 0.8492 - auroc
: 0.73 - ETA: 15:51 - loss: 0.4538 - acc: 0.8492 - auroc: 0.73 - ETA: 15:25 - loss: 0.4542 - acc:
0.8491 - auroc: 0.73 - ETA: 14:58 - loss: 0.4548 - acc: 0.8486 - auroc: 0.73 - ETA: 14:33 - loss:
0.4550 - acc: 0.8486 - auroc: 0.73 - ETA: 14:06 - loss: 0.4549 - acc: 0.8486 - auroc: 0.73 - ETA:
13:40 - loss: 0.4550 - acc: 0.8485 - auroc: 0.73 - ETA: 13:14 - loss: 0.4552 - acc: 0.8485 - auroc
: 0.73 - ETA: 12:48 - loss: 0.4548 - acc: 0.8487 - auroc: 0.73 - ETA: 12:22 - loss: 0.4546 - acc:
0.8488 - auroc: 0.73 - ETA: 11:56 - loss: 0.4545 - acc: 0.8489 - auroc: 0.73 - ETA: 11:30 - loss:
0.4544 - acc: 0.8489 - auroc: 0.73 - ETA: 11:04 - loss: 0.4546 - acc: 0.8489 - auroc: 0.73 - ETA:
10:38 - loss: 0.4544 - acc: 0.8490 - auroc: 0.73 - ETA: 10:12 - loss: 0.4545 - acc: 0.8490 - auroc
: 0.73 - ETA: 9:46 - loss: 0.4551 - acc: 0.8489 - auroc: 0.7311 - ETA: 9:20 - loss: 0.4552 - acc:
0.8489 - auroc: 0.731 - ETA: 8:54 - loss: 0.4553 - acc: 0.8489 - auroc: 0.731 - ETA: 8:28 - loss:
0.4553 - acc: 0.8488 - auroc: 0.730 - ETA: 8:02 - loss: 0.4548 - acc: 0.8488 - auroc: 0.731 - ETA:
7:36 - loss: 0.4547 - acc: 0.8489 - auroc: 0.731 - ETA: 7:10 - loss: 0.4548 - acc: 0.8488 - auroc:
0.731 - ETA: 6:44 - loss: 0.4544 - acc: 0.8490 - auroc: 0.731 - ETA: 6:18 - loss: 0.4542 - acc: 0.
8491 - auroc: 0.731 - ETA: 5:52 - loss: 0.4538 - acc: 0.8492 - auroc: 0.732 - ETA: 5:26 - loss: 0.
4539 - acc: 0.8491 - auroc: 0.732 - ETA: 5:00 - loss: 0.4540 - acc: 0.8490 - auroc: 0.732 - ETA: 4
:34 - loss: 0.4542 - acc: 0.8489 - auroc: 0.732 - ETA: 4:08 - loss: 0.4541 - acc: 0.8491 - auroc:
0.732 - ETA: 3:42 - loss: 0.4540 - acc: 0.8492 - auroc: 0.731 - ETA: 3:16 - loss: 0.4541 - acc: 0.
8491 - auroc: 0.731 - ETA: 2:50 - loss: 0.4538 - acc: 0.8492 - auroc: 0.731 - ETA: 2:24 - loss: 0.
4537 - acc: 0.8493 - auroc: 0.732 - ETA: 1:58 - loss: 0.4535 - acc: 0.8493 - auroc: 0.732 - ETA: 1
:32 - loss: 0.4533 - acc: 0.8494 - auroc: 0.732 - ETA: 1:06 - loss: 0.4533 - acc: 0.8493 - auroc:
0.733 - ETA: 40s - loss: 0.4530 - acc: 0.8495 - auroc: 0.732 - ETA: 14s - loss: 0.4533 - acc: 0.84
93 - auroc: 0.73 - 3700s 53ms/step - loss: 0.4533 - acc: 0.8494 - auroc: 0.7329 - val_loss: 0.4536
- val_acc: 0.8486 - val_auroc: 0.7396
Epoch 10/15
69918/69918 [==============================] - ETA: 59:32 - loss: 0.4210 - acc: 0.8535 - auroc: 0.
79 - ETA: 58:58 - loss: 0.4293 - acc: 0.8525 - auroc: 0.76 - ETA: 58:21 - loss: 0.4268 - acc: 0.85
87 - auroc: 0.75 - ETA: 57:51 - loss: 0.4386 - acc: 0.8525 - auroc: 0.74 - ETA: 57:27 - loss: 0.43
38 - acc: 0.8551 - auroc: 0.75 - ETA: 56:58 - loss: 0.4343 - acc: 0.8535 - auroc: 0.75 - ETA: 56:2
8 - loss: 0.4398 - acc: 0.8516 - auroc: 0.75 - ETA: 55:59 - loss: 0.4348 - acc: 0.8540 - auroc: 0.
76 - ETA: 55:30 - loss: 0.4394 - acc: 0.8535 - auroc: 0.75 - ETA: 55:03 - loss: 0.4357 - acc: 0.85
61 - auroc: 0.75 - ETA: 54:38 - loss: 0.4355 - acc: 0.8553 - auroc: 0.75 - ETA: 54:11 - loss: 0.44
26 - acc: 0.8532 - auroc: 0.74 - ETA: 53:45 - loss: 0.4444 - acc: 0.8529 - auroc: 0.74 - ETA: 53:1
7 - loss: 0.4457 - acc: 0.8528 - auroc: 0.74 - ETA: 52:53 - loss: 0.4467 - acc: 0.8531 - auroc: 0.
73 - ETA: 52:26 - loss: 0.4462 - acc: 0.8533 - auroc: 0.74 - ETA: 51:59 - loss: 0.4474 - acc: 0.85
27 - auroc: 0.73 - ETA: 51:32 - loss: 0.4489 - acc: 0.8525 - auroc: 0.73 - ETA: 51:05 - loss: 0.44
94 - acc: 0.8526 - auroc: 0.73 - ETA: 50:37 - loss: 0.4504 - acc: 0.8517 - auroc: 0.73 - ETA: 50:1
0 - loss: 0.4499 - acc: 0.8513 - auroc: 0.73 - ETA: 49:45 - loss: 0.4510 - acc: 0.8509 - auroc: 0.
73 - ETA: 51:09 - loss: 0.4501 - acc: 0.8509 - auroc: 0.73 - ETA: 52:20 - loss: 0.4490 - acc: 0.85

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10 - auroc: 0.74 - ETA: 53:20 - loss: 0.4485 - acc: 0.8512 - auroc: 0.74 - ETA: 54:11 - loss: 0.44
86 - acc: 0.8509 - auroc: 0.74 - ETA: 54:58 - loss: 0.4499 - acc: 0.8503 - auroc: 0.73 - ETA: 55:3
6 - loss: 0.4519 - acc: 0.8488 - auroc: 0.73 - ETA: 56:07 - loss: 0.4525 - acc: 0.8483 - auroc: 0.
73 - ETA: 56:34 - loss: 0.4539 - acc: 0.8475 - auroc: 0.73 - ETA: 56:57 - loss: 0.4539 - acc: 0.84
76 - auroc: 0.73 - ETA: 57:15 - loss: 0.4533 - acc: 0.8480 - auroc: 0.73 - ETA: 57:29 - loss: 0.45
38 - acc: 0.8475 - auroc: 0.73 - ETA: 57:39 - loss: 0.4542 - acc: 0.8469 - auroc: 0.74 - ETA: 57:4
5 - loss: 0.4532 - acc: 0.8474 - auroc: 0.74 - ETA: 57:48 - loss: 0.4537 - acc: 0.8471 - auroc: 0.
74 - ETA: 57:49 - loss: 0.4532 - acc: 0.8474 - auroc: 0.74 - ETA: 57:47 - loss: 0.4524 - acc: 0.84
77 - auroc: 0.74 - ETA: 57:43 - loss: 0.4523 - acc: 0.8477 - auroc: 0.74 - ETA: 57:36 - loss: 0.45
14 - acc: 0.8478 - auroc: 0.74 - ETA: 57:27 - loss: 0.4510 - acc: 0.8479 - auroc: 0.74 - ETA: 57:1
7 - loss: 0.4501 - acc: 0.8482 - auroc: 0.74 - ETA: 57:06 - loss: 0.4490 - acc: 0.8488 - auroc: 0.
74 - ETA: 56:53 - loss: 0.4482 - acc: 0.8493 - auroc: 0.74 - ETA: 56:38 - loss: 0.4476 - acc: 0.84
93 - auroc: 0.74 - ETA: 56:21 - loss: 0.4475 - acc: 0.8491 - auroc: 0.74 - ETA: 56:04 - loss: 0.44
78 - acc: 0.8493 - auroc: 0.74 - ETA: 55:44 - loss: 0.4480 - acc: 0.8493 - auroc: 0.74 - ETA: 55:2
4 - loss: 0.4482 - acc: 0.8494 - auroc: 0.74 - ETA: 55:03 - loss: 0.4478 - acc: 0.8494 - auroc: 0.
74 - ETA: 54:40 - loss: 0.4480 - acc: 0.8496 - auroc: 0.74 - ETA: 54:17 - loss: 0.4476 - acc: 0.84
95 - auroc: 0.74 - ETA: 53:53 - loss: 0.4476 - acc: 0.8495 - auroc: 0.74 - ETA: 53:27 - loss: 0.44
80 - acc: 0.8495 - auroc: 0.74 - ETA: 53:01 - loss: 0.4485 - acc: 0.8490 - auroc: 0.74 - ETA: 52:3
4 - loss: 0.4476 - acc: 0.8495 - auroc: 0.74 - ETA: 52:07 - loss: 0.4475 - acc: 0.8496 - auroc: 0.
74 - ETA: 51:39 - loss: 0.4471 - acc: 0.8497 - auroc: 0.74 - ETA: 51:11 - loss: 0.4461 - acc: 0.85
04 - auroc: 0.74 - ETA: 50:42 - loss: 0.4465 - acc: 0.8502 - auroc: 0.74 - ETA: 50:12 - loss: 0.44
52 - acc: 0.8509 - auroc: 0.74 - ETA: 49:42 - loss: 0.4448 - acc: 0.8511 - auroc: 0.74 - ETA: 49:1
0 - loss: 0.4447 - acc: 0.8511 - auroc: 0.74 - ETA: 48:39 - loss: 0.4452 - acc: 0.8510 - auroc: 0.
74 - ETA: 48:07 - loss: 0.4451 - acc: 0.8512 - auroc: 0.74 - ETA: 47:35 - loss: 0.4449 - acc: 0.85
12 - auroc: 0.74 - ETA: 47:02 - loss: 0.4452 - acc: 0.8509 - auroc: 0.74 - ETA: 46:28 - loss: 0.44
56 - acc: 0.8508 - auroc: 0.74 - ETA: 45:54 - loss: 0.4453 - acc: 0.8510 - auroc: 0.74 - ETA: 45:2
0 - loss: 0.4453 - acc: 0.8508 - auroc: 0.74 - ETA: 44:45 - loss: 0.4457 - acc: 0.8508 - auroc: 0.
74 - ETA: 44:10 - loss: 0.4462 - acc: 0.8505 - auroc: 0.74 - ETA: 43:35 - loss: 0.4459 - acc: 0.85
08 - auroc: 0.74 - ETA: 42:59 - loss: 0.4459 - acc: 0.8506 - auroc: 0.74 - ETA: 42:23 - loss: 0.44
62 - acc: 0.8504 - auroc: 0.74 - ETA: 41:47 - loss: 0.4462 - acc: 0.8503 - auroc: 0.74 - ETA: 41:1
0 - loss: 0.4463 - acc: 0.8503 - auroc: 0.74 - ETA: 40:33 - loss: 0.4463 - acc: 0.8503 - auroc: 0.
74 - ETA: 39:56 - loss: 0.4465 - acc: 0.8502 - auroc: 0.74 - ETA: 39:19 - loss: 0.4467 - acc: 0.85
00 - auroc: 0.74 - ETA: 38:41 - loss: 0.4464 - acc: 0.8501 - auroc: 0.74 - ETA: 38:03 - loss: 0.44
69 - acc: 0.8498 - auroc: 0.74 - ETA: 37:25 - loss: 0.4467 - acc: 0.8499 - auroc: 0.74 - ETA: 36:4
7 - loss: 0.4472 - acc: 0.8495 - auroc: 0.74 - ETA: 36:08 - loss: 0.4468 - acc: 0.8498 - auroc: 0.
74 - ETA: 35:30 - loss: 0.4466 - acc: 0.8500 - auroc: 0.74 - ETA: 34:51 - loss: 0.4468 - acc: 0.84
99 - auroc: 0.74 - ETA: 34:12 - loss: 0.4468 - acc: 0.8500 - auroc: 0.74 - ETA: 33:32 - loss: 0.44
73 - acc: 0.8498 - auroc: 0.74 - ETA: 32:53 - loss: 0.4474 - acc: 0.8499 - auroc: 0.74 - ETA: 32:1
3 - loss: 0.4471 - acc: 0.8501 - auroc: 0.74 - ETA: 31:33 - loss: 0.4468 - acc: 0.8504 - auroc: 0.
74 - ETA: 30:53 - loss: 0.4469 - acc: 0.8504 - auroc: 0.74 - ETA: 30:13 - loss: 0.4465 - acc: 0.85
06 - auroc: 0.74 - ETA: 29:33 - loss: 0.4465 - acc: 0.8507 - auroc: 0.74 - ETA: 28:52 - loss: 0.44
68 - acc: 0.8505 - auroc: 0.74 - ETA: 28:12 - loss: 0.4469 - acc: 0.8504 - auroc: 0.74 - ETA: 27:3
1 - loss: 0.4463 - acc: 0.8507 - auroc: 0.74 - ETA: 26:50 - loss: 0.4462 - acc: 0.8508 - auroc: 0.
74 - ETA: 26:09 - loss: 0.4467 - acc: 0.8505 - auroc: 0.74 - ETA: 25:28 - loss: 0.4469 - acc: 0.85
04 - auroc: 0.74 - ETA: 24:46 - loss: 0.4469 - acc: 0.8504 - auroc: 0.74 - ETA: 24:05 - loss: 0.44
69 - acc: 0.8502 - auroc: 0.74 - ETA: 23:23 - loss: 0.4471 - acc: 0.8500 - auroc: 0.74 - ETA: 22:4
1 - loss: 0.4471 - acc: 0.8502 - auroc: 0.74 - ETA: 21:59 - loss: 0.4470 - acc: 0.8503 - auroc: 0.
74 - ETA: 21:17 - loss: 0.4473 - acc: 0.8500 - auroc: 0.74 - ETA: 20:35 - loss: 0.4478 - acc: 0.84
97 - auroc: 0.74 - ETA: 19:53 - loss: 0.4479 - acc: 0.8497 - auroc: 0.74 - ETA: 19:12 - loss: 0.44
78 - acc: 0.8497 - auroc: 0.74 - ETA: 18:30 - loss: 0.4482 - acc: 0.8496 - auroc: 0.74 - ETA: 17:4
7 - loss: 0.4482 - acc: 0.8496 - auroc: 0.74 - ETA: 17:05 - loss: 0.4479 - acc: 0.8498 - auroc: 0.
74 - ETA: 16:22 - loss: 0.4481 - acc: 0.8496 - auroc: 0.74 - ETA: 15:39 - loss: 0.4482 - acc: 0.84
96 - auroc: 0.74 - ETA: 14:57 - loss: 0.4479 - acc: 0.8497 - auroc: 0.74 - ETA: 14:14 - loss: 0.44
82 - acc: 0.8495 - auroc: 0.74 - ETA: 13:31 - loss: 0.4478 - acc: 0.8497 - auroc: 0.74 - ETA: 12:4
8 - loss: 0.4480 - acc: 0.8495 - auroc: 0.74 - ETA: 12:05 - loss: 0.4479 - acc: 0.8496 - auroc: 0.
74 - ETA: 11:21 - loss: 0.4483 - acc: 0.8494 - auroc: 0.74 - ETA: 10:38 - loss: 0.4485 - acc: 0.84
93 - auroc: 0.74 - ETA: 9:55 - loss: 0.4482 - acc: 0.8494 - auroc: 0.7426 - ETA: 9:11 - loss: 0.44
82 - acc: 0.8494 - auroc: 0.742 - ETA: 8:28 - loss: 0.4483 - acc: 0.8494 - auroc: 0.742 - ETA: 7:4
4 - loss: 0.4484 - acc: 0.8493 - auroc: 0.742 - ETA: 7:00 - loss: 0.4484 - acc: 0.8493 - auroc: 0.
742 - ETA: 6:17 - loss: 0.4484 - acc: 0.8493 - auroc: 0.742 - ETA: 5:33 - loss: 0.4483 - acc: 0.84
95 - auroc: 0.743 - ETA: 4:49 - loss: 0.4481 - acc: 0.8496 - auroc: 0.743 - ETA: 4:05 - loss: 0.44
82 - acc: 0.8496 - auroc: 0.743 - ETA: 3:21 - loss: 0.4482 - acc: 0.8495 - auroc: 0.743 - ETA: 2:3
7 - loss: 0.4485 - acc: 0.8495 - auroc: 0.742 - ETA: 1:53 - loss: 0.4484 - acc: 0.8496 - auroc: 0.
742 - ETA: 1:09 - loss: 0.4482 - acc: 0.8497 - auroc: 0.742 - ETA: 24s - loss: 0.4482 - acc: 0.849
7 - auroc: 0.742 - 6340s 91ms/step - loss: 0.4480 - acc: 0.8498 - auroc: 0.7426 - val_loss: 0.4436
- val_acc: 0.8520 - val_auroc: 0.7445
Epoch 11/15
69918/69918 [==============================] - ETA: 2:03:13 - loss: 0.5144 - acc: 0.8262 - auroc:
0.69 - ETA: 2:03:29 - loss: 0.4920 - acc: 0.8311 - auroc: 0.72 - ETA: 2:03:19 - loss: 0.4668 - acc
: 0.8405 - auroc: 0.74 - ETA: 2:02:39 - loss: 0.4593 - acc: 0.8447 - auroc: 0.75 - ETA: 2:03:30 -
loss: 0.4624 - acc: 0.8441 - auroc: 0.74 - ETA: 2:02:50 - loss: 0.4536 - acc: 0.8473 - auroc: 0.75
- ETA: 2:00:18 - loss: 0.4553 - acc: 0.8468 - auroc: 0.75 - ETA: 1:58:03 - loss: 0.4608 - acc: 0.8
435 - auroc: 0.75 - ETA: 1:56:09 - loss: 0.4584 - acc: 0.8429 - auroc: 0.75 - ETA: 1:54:31 - loss:
0.4557 - acc: 0.8441 - auroc: 0.75 - ETA: 1:53:07 - loss: 0.4540 - acc: 0.8455 - auroc: 0.75 - ETA
: 1:51:41 - loss: 0.4523 - acc: 0.8465 - auroc: 0.75 - ETA: 1:50:26 - loss: 0.4518 - acc: 0.8468 -
auroc: 0.75 - ETA: 1:49:10 - loss: 0.4515 - acc: 0.8464 - auroc: 0.75 - ETA: 1:47:57 - loss: 0.447
3 - acc: 0.8486 - auroc: 0.75 - ETA: 1:46:48 - loss: 0.4473 - acc: 0.8486 - auroc: 0.75 - ETA: 1:4
```

5:39 - loss: 0.4479 - acc: 0.8487 - auroc: 0.75 - ETA: 1:44:33 - loss: 0.4475 - acc: 0.8481 - auroc: 0.75 - ETA: 1:43:28 - loss: 0.4465 - acc: 0.8489 - auroc: 0.75 - ETA: 1:42:24 - loss: 0.4473 - acc: 0.8485 - auroc: 0.75 - ETA: 1:41:22 - loss: 0.4485 - acc: 0.8474 - auroc: 0.76 - ETA: 1:40:24 - loss: 0.4490 - acc: 0.8470 - auroc: 0.76 - ETA: 1:39:24 - loss: 0.4487 - acc: 0.8471 - auroc: 0.76 - ETA: 1:38:23 - loss: 0.4486 - acc: 0.8471 - auroc: 0.75 - ETA: 1:37:26 - loss: 0.4471 - acc: 0.8480 - auroc: 0.75 - ETA: 1:36:27 - loss: 0.4471 - acc: 0.8483 - auroc: 0.75 - ETA: 1:35:29 - loss: 0.4487 - acc: 0.8474 - auroc: 0.75 - ETA: 1:34:33 - loss: 0.4462 - acc: 0.8491 - auroc: 0.75 - ETA: 1:34:27 - loss: 0.4459 - acc: 0.8493 - auroc: 0.75 - ETA: 1:34:13 - loss: 0.4454 - acc: 0.8494 - auroc: 0.75 - ETA: 1:33:39 - loss: 0.4444 - acc: 0.8501 - auroc: 0.75 - ETA: 1:33:02 - loss: 0.4431 - acc: 0.8507 - auroc: 0.75 - ETA: 1:32:25 - loss: 0.4440 - acc: 0.8503 - auroc: 0.75 - ETA: 1:32:02 - loss: 0.4434 - acc: 0.8508 - auroc: 0.75 - ETA: 1:31:15 - loss: 0.4437 - acc: 0.8507 - auroc: 0.75 - ETA: 1:30:30 - loss: 0.4434 - acc: 0.8507 - auroc: 0.75 - ETA: 1:29:47 - loss: 0.4435 - acc: 0.8505 - auroc: 0.75 - ETA: 1:29:13 - loss: 0.4430 - acc: 0.8505 - auroc: 0.75 - ETA: 1:28:31 - loss: 0.4424 - acc: 0.8509 - auroc: 0.75 - ETA: 1:27:47 - loss: 0.4436 - acc: 0.8501 - auroc: 0.75 - ETA: 1:27:06 - loss: 0.4430 - acc: 0.8503 - auroc: 0.75 - ETA: 1:26:27 - loss: 0.4424 - acc: 0.8506 - auroc: 0.75 - ETA: 1:25:42 - loss: 0.4426 - acc: 0.8507 - auroc: 0.75 - ETA: 1:25:03 - loss: 0.4424 - acc: 0.8509 - auroc: 0.75 - ETA: 1:24:03 - loss: 0.4431 - acc: 0.8509 - auroc: 0.75 - ETA: 1:23:03 - loss: 0.4426 - acc: 0.8511 - auroc: 0.75 - ETA: 1:21:59 - loss: 0.4425 - acc: 0.8509 - auroc: 0.75 - ETA: 1:20:18 - loss: 0.4431 - acc: 0.8507 - auroc: 0.75 - ETA: 1:18:37 - loss: 0.4431 - acc: 0.8508 - auroc: 0.75 - ETA: 1:17:00 - loss: 0.4428 - acc: 0.8509 - auroc: 0.75 - ETA: 1:15:24 - loss: 0.4423 - acc: 0.8510 - auroc: 0.75 - ETA: 1:13:51 - loss: 0.4422 - acc: 0.8510 - auroc: 0.75 - ETA: 1:12:21 - loss: 0.4420 - acc: 0.8510 - auroc: 0.75 - ETA: 1:10:53 - loss: 0.4424 - acc: 0.8509 - auroc: 0.75 - ETA: 1:09:29 - loss: 0.4424 - acc: 0.8507 - auroc: 0.75 - ETA: 1:08:05 - loss: 0.4428 - acc: 0.8503 - auroc: 0.75 - ETA: 1:06:44 - loss: 0.4426 - acc: 0.8505 - auroc: 0.75 - ETA: 1:05:24 - loss: 0.4426 - acc: 0.8508 - auroc: 0.75 - ETA: 1:04:05 - loss: 0.4436 - acc: 0.8502 - auroc: 0.75 - ETA: 1:02:49 - loss: 0.4435 - acc: 0.8504 - auroc: 0.75 - ETA: 1:01:34 - loss: 0.4434 - acc: 0.8505 - auroc: 0.75 - ETA: 1:00:19 - loss: 0.4436 - acc: 0.8505 - auroc: 0.75 - ETA: 59:07 - loss: 0.4430 - acc: 0.8509 - auroc: 0.7524 - ETA: 57:56 - loss: 0.4431 - acc: 0.8509 - auroc: 0.75 - ETA: 56:46 - loss: 0.4428 - acc: 0.8511 - auroc: 0.75 - ETA: 55:38 - loss: 0.4429 - acc: 0.8509 - auroc: 0.75 - ETA: 54:33 - loss: 0.4430 - acc: 0.8507 - auroc: 0.75 - ETA: 53:28 - loss: 0.4426 - acc: 0.8508 - auroc: 0.75 - ETA: 52:24 - loss: 0.4423 - acc: 0.8511 - auroc: 0.75 - ETA: 51:20 - loss: 0.4425 - acc: 0.8512 - auroc: 0.75 - ETA: 50:17 - loss: 0.4435 - acc: 0.8507 - auroc: 0.75 - ETA: 49:14 - loss: 0.4437 - acc: 0.8505 - auroc: 0.75 - ETA: 48:13 - loss: 0.4437 - acc: 0.8505 - auroc: 0.75 - ETA: 47:12 - loss: 0.4439 - acc: 0.8502 - auroc: 0.75 - ETA: 46:12 - loss: 0.4438 - acc: 0.8503 - auroc: 0.75 - ETA: 45:13 - loss: 0.4433 - acc: 0.8504 - auroc: 0.75 - ETA: 44:15 - loss: 0.4430 - acc: 0.8505 - auroc: 0.75 - ETA: 43:18 - loss: 0.4429 - acc: 0.8507 - auroc: 0.75 - ETA: 42:21 - loss: 0.4431 - acc: 0.8507 - auroc: 0.75 - ETA: 41:26 - loss: 0.4443 - acc: 0.8503 - auroc: 0.75 - ETA: 40:31 - loss: 0.4437 - acc: 0.8505 - auroc: 0.75 - ETA: 39:36 - loss: 0.4436 - acc: 0.8505 - auroc: 0.75 - ETA: 38:43 - loss: 0.4438 - acc: 0.8503 - auroc: 0.75 - ETA: 37:50 - loss: 0.4440 - acc: 0.8501 - auroc: 0.75 - ETA: 36:58 - loss: 0.4442 - acc: 0.8499 - auroc: 0.75 - ETA: 36:06 - loss: 0.4444 - acc: 0.8499 - auroc: 0.75 - ETA: 35:15 - loss: 0.4444 - acc: 0.8499 - auroc: 0.75 - ETA: 34:28 - loss: 0.4440 - acc: 0.8502 - auroc: 0.75 - ETA: 33:40 - loss: 0.4438 - acc: 0.8504 - auroc: 0.75 - ETA: 32:51 - loss: 0.4439 - acc: 0.8502 - auroc: 0.75 - ETA: 32:02 - loss: 0.4434 - acc: 0.8505 - auroc: 0.75 - ETA: 31:15 - loss: 0.4430 - acc: 0.8506 - auroc: 0.75 - ETA: 30:28 - loss: 0.4428 - acc: 0.8506 - auroc: 0.75 - ETA: 29:43 - loss: 0.4421 - acc: 0.8510 - auroc: 0.75 - ETA: 28:56 - loss: 0.4418 - acc: 0.8510 - auroc: 0.75 - ETA: 28:14 - loss: 0.4418 - acc: 0.8510 - auroc: 0.75 - ETA: 27:28 - loss: 0.4418 - acc: 0.8509 - auroc: 0.75 - ETA: 26:42 - loss: 0.4422 - acc: 0.8507 - auroc: 0.75 - ETA: 25:57 - loss: 0.4421 - acc: 0.8507 - auroc: 0.75 - ETA: 25:11 - loss: 0.4422 - acc: 0.8506 - auroc: 0.75 - ETA: 24:26 - loss: 0.4419 - acc: 0.8508 - auroc: 0.75 - ETA: 23:40 - loss: 0.4422 - acc: 0.8508 - auroc: 0.75 - ETA: 22:57 - loss: 0.4420 - acc: 0.8509 - auroc: 0.75 - ETA: 22:13 - loss: 0.4420 - acc: 0.8509 - auroc: 0.75 - ETA: 21:30 - loss: 0.4418 - acc: 0.8510 - auroc: 0.75 - ETA: 20:47 - loss: 0.4415 - acc: 0.8512 - auroc: 0.75 - ETA: 20:04 - loss: 0.4418 - acc: 0.8510 - auroc: 0.75 - ETA: 19:21 - loss: 0.4421 - acc: 0.8509 - auroc: 0.75 - ETA: 18:38 - loss: 0.4422 - acc: 0.8508 - auroc: 0.75 - ETA: 17:56 - loss: 0.4421 - acc: 0.8509 - auroc: 0.75 - ETA: 17:13 - loss: 0.4420 - acc: 0.8509 - auroc: 0.75 - ETA: 16:32 - loss: 0.4420 - acc: 0.8510 - auroc: 0.75 - ETA: 15:50 - loss: 0.4417 - acc: 0.8511 - auroc: 0.75 - ETA: 15:08 - loss: 0.4416 - acc: 0.8512 - auroc: 0.75 - ETA: 14:26 - loss: 0.4415 - acc: 0.8513 - auroc: 0.75 - ETA: 13:44 - loss: 0.4415 - acc: 0.8512 - auroc: 0.75 - ETA: 13:03 - loss: 0.4418 - acc: 0.8511 - auroc: 0.75 - ETA: 12:21 - loss: 0.4418 - acc: 0.8510 - auroc: 0.75 - ETA: 11:40 - loss: 0.4418 - acc: 0.8511 - auroc: 0.75 - ETA: 11:00 - loss: 0.4417 - acc: 0.8511 - auroc: 0.75 - ETA: 10:18 - loss: 0.4416 - acc: 0.8511 - auroc: 0.75 - ETA: 9:38 - loss: 0.4422 - acc: 0.8508 - auroc: 0.7516 - ETA: 8:57 - loss: 0.4423 - acc: 0.8508 - auroc: 0.751 - ETA: 8:17 - loss: 0.4423 - acc: 0.8508 - auroc: 0.751 - ETA: 7:37 - loss: 0.4422 - acc: 0.8509 - auroc: 0.751 - ETA: 6:57 - loss: 0.4425 - acc: 0.8507 - auroc: 0.750 - ETA: 6:17 - loss: 0.4423 - acc: 0.8508 - auroc: 0.750 - ETA: 5:37 - loss: 0.4421 - acc: 0.8509 - auroc: 0.750 - ETA: 4:57 - loss: 0.4423 - acc: 0.8507 - auroc: 0.750 - ETA: 4:17 - loss: 0.4425 - acc: 0.8506 - auroc: 0.750 - ETA: 3:38 - loss: 0.4429 - acc: 0.8505 - auroc: 0.750 - ETA: 2:58 - loss: 0.4429 - acc: 0.8504 - auroc: 0.750 - ETA: 2:19 - loss: 0.4431 - acc: 0.8503 - auroc: 0.750 - ETA: 1:39 - loss: 0.4430 - acc: 0.8504 - auroc: 0.750 - ETA: 1:00 - loss: 0.4431 - acc: 0.8503 - auroc: 0.750 - ETA: 21s - loss: 0.4429 - acc: 0.8505 - auroc: 0.750 - 5498s 79ms/step - loss: 0.4426 - acc: 0.8506 - auroc: 0.7508 - val_loss: 0.4444 - val_acc: 0.8489 - val_auroc: 0.7447
Epoch 12/15
69918/69918 [==============================] - ETA: 1:09:52 - loss: 0.3952 - acc: 0.8633 - auroc: 0.81 - ETA: 1:08:11 - loss: 0.4149 - acc: 0.8662 - auroc: 0.76 - ETA: 1:07:52 - loss: 0.4257 - acc: 0.8620 - auroc: 0.76 - ETA: 1:09:07 - loss: 0.4230 - acc: 0.8599 - auroc: 0.76 - ETA: 1:13:00 - loss: 0.4185 - acc: 0.8633 - auroc: 0.76 - ETA: 1:12:59 - loss: 0.4213 - acc: 0.8643 - auroc: 0.74 - ETA: 1:12:50 - loss: 0.4256 - acc: 0.8619 - auroc: 0.74 - ETA: 1:11:27 - loss: 0.4274 - acc: 0.8

608 - auroc: 0.75 - ETA: 1:10:14 - loss: 0.4284 - acc: 0.8594 - auroc: 0.75 - ETA: 1:08:44 - loss:
0.4298 - acc: 0.8586 - auroc: 0.75 - ETA: 1:07:14 - loss: 0.4312 - acc: 0.8574 - auroc: 0.75 - ETA
: 1:05:54 - loss: 0.4310 - acc: 0.8577 - auroc: 0.75 - ETA: 1:04:41 - loss: 0.4296 - acc: 0.8577 -
auroc: 0.75 - ETA: 1:03:49 - loss: 0.4309 - acc: 0.8573 - auroc: 0.75 - ETA: 1:03:00 - loss: 0.430
2 - acc: 0.8578 - auroc: 0.75 - ETA: 1:02:10 - loss: 0.4330 - acc: 0.8564 - auroc: 0.75 - ETA: 1:0
1:25 - loss: 0.4315 - acc: 0.8568 - auroc: 0.75 - ETA: 1:00:42 - loss: 0.4298 - acc: 0.8576 - auro
c: 0.75 - ETA: 59:57 - loss: 0.4318 - acc: 0.8573 - auroc: 0.7537 - ETA: 59:31 - loss: 0.4308 - ac
c: 0.8579 - auroc: 0.75 - ETA: 58:49 - loss: 0.4310 - acc: 0.8573 - auroc: 0.75 - ETA: 58:06 - los
s: 0.4324 - acc: 0.8564 - auroc: 0.75 - ETA: 57:27 - loss: 0.4335 - acc: 0.8555 - auroc: 0.75 - ET
A: 56:47 - loss: 0.4331 - acc: 0.8553 - auroc: 0.75 - ETA: 56:10 - loss: 0.4332 - acc: 0.8549 - au
roc: 0.75 - ETA: 55:43 - loss: 0.4334 - acc: 0.8548 - auroc: 0.75 - ETA: 55:35 - loss: 0.4324 - ac
c: 0.8551 - auroc: 0.75 - ETA: 55:18 - loss: 0.4318 - acc: 0.8555 - auroc: 0.75 - ETA: 54:48 - los
s: 0.4318 - acc: 0.8553 - auroc: 0.75 - ETA: 54:12 - loss: 0.4317 - acc: 0.8555 - auroc: 0.75 - ET
A: 53:39 - loss: 0.4305 - acc: 0.8562 - auroc: 0.75 - ETA: 53:08 - loss: 0.4312 - acc: 0.8564 - au
roc: 0.75 - ETA: 52:35 - loss: 0.4311 - acc: 0.8565 - auroc: 0.75 - ETA: 51:56 - loss: 0.4316 - ac
c: 0.8564 - auroc: 0.75 - ETA: 51:29 - loss: 0.4324 - acc: 0.8555 - auroc: 0.75 - ETA: 50:56 - los
s: 0.4323 - acc: 0.8554 - auroc: 0.75 - ETA: 50:28 - loss: 0.4341 - acc: 0.8543 - auroc: 0.75 - ET
A: 50:01 - loss: 0.4339 - acc: 0.8541 - auroc: 0.75 - ETA: 49:34 - loss: 0.4346 - acc: 0.8536 - au
roc: 0.75 - ETA: 49:19 - loss: 0.4342 - acc: 0.8534 - auroc: 0.75 - ETA: 49:40 - loss: 0.4345 - ac
c: 0.8532 - auroc: 0.75 - ETA: 49:57 - loss: 0.4348 - acc: 0.8531 - auroc: 0.75 - ETA: 50:10 - los
s: 0.4346 - acc: 0.8534 - auroc: 0.75 - ETA: 50:16 - loss: 0.4342 - acc: 0.8537 - auroc: 0.75 - ET
A: 50:19 - loss: 0.4347 - acc: 0.8535 - auroc: 0.75 - ETA: 50:21 - loss: 0.4342 - acc: 0.8536 - au
roc: 0.75 - ETA: 50:19 - loss: 0.4336 - acc: 0.8539 - auroc: 0.75 - ETA: 50:17 - loss: 0.4340 - ac
c: 0.8536 - auroc: 0.75 - ETA: 50:12 - loss: 0.4340 - acc: 0.8537 - auroc: 0.75 - ETA: 50:04 - los
s: 0.4338 - acc: 0.8538 - auroc: 0.75 - ETA: 49:57 - loss: 0.4351 - acc: 0.8532 - auroc: 0.75 - ET
A: 49:50 - loss: 0.4344 - acc: 0.8535 - auroc: 0.75 - ETA: 49:42 - loss: 0.4336 - acc: 0.8540 - au
roc: 0.75 - ETA: 49:32 - loss: 0.4340 - acc: 0.8538 - auroc: 0.75 - ETA: 49:27 - loss: 0.4341 - ac
c: 0.8538 - auroc: 0.75 - ETA: 49:20 - loss: 0.4341 - acc: 0.8537 - auroc: 0.75 - ETA: 49:10 - los
s: 0.4331 - acc: 0.8542 - auroc: 0.75 - ETA: 48:52 - loss: 0.4335 - acc: 0.8540 - auroc: 0.75 - ET
A: 48:32 - loss: 0.4332 - acc: 0.8540 - auroc: 0.75 - ETA: 48:11 - loss: 0.4330 - acc: 0.8539 - au
roc: 0.75 - ETA: 47:49 - loss: 0.4334 - acc: 0.8539 - auroc: 0.75 - ETA: 47:27 - loss: 0.4334 - ac
c: 0.8541 - auroc: 0.75 - ETA: 47:05 - loss: 0.4338 - acc: 0.8537 - auroc: 0.75 - ETA: 46:40 - los
s: 0.4338 - acc: 0.8537 - auroc: 0.75 - ETA: 46:19 - loss: 0.4330 - acc: 0.8539 - auroc: 0.75 - ET
A: 45:57 - loss: 0.4333 - acc: 0.8538 - auroc: 0.75 - ETA: 45:31 - loss: 0.4333 - acc: 0.8539 - au
roc: 0.75 - ETA: 45:07 - loss: 0.4327 - acc: 0.8540 - auroc: 0.75 - ETA: 44:43 - loss: 0.4329 - ac
c: 0.8538 - auroc: 0.75 - ETA: 44:17 - loss: 0.4326 - acc: 0.8538 - auroc: 0.75 - ETA: 43:50 - los
s: 0.4333 - acc: 0.8535 - auroc: 0.75 - ETA: 43:22 - loss: 0.4330 - acc: 0.8536 - auroc: 0.75 - ET
A: 42:52 - loss: 0.4328 - acc: 0.8536 - auroc: 0.75 - ETA: 42:21 - loss: 0.4329 - acc: 0.8535 - au
roc: 0.75 - ETA: 41:51 - loss: 0.4328 - acc: 0.8535 - auroc: 0.75 - ETA: 41:20 - loss: 0.4323 - ac
c: 0.8538 - auroc: 0.75 - ETA: 40:49 - loss: 0.4331 - acc: 0.8535 - auroc: 0.75 - ETA: 40:17 - los
s: 0.4332 - acc: 0.8536 - auroc: 0.75 - ETA: 39:45 - loss: 0.4335 - acc: 0.8535 - auroc: 0.75 - ET
A: 39:10 - loss: 0.4333 - acc: 0.8539 - auroc: 0.75 - ETA: 38:35 - loss: 0.4331 - acc: 0.8537 - au
roc: 0.75 - ETA: 38:00 - loss: 0.4334 - acc: 0.8534 - auroc: 0.75 - ETA: 37:26 - loss: 0.4337 - ac
c: 0.8533 - auroc: 0.75 - ETA: 36:51 - loss: 0.4334 - acc: 0.8535 - auroc: 0.75 - ETA: 36:14 - los
s: 0.4336 - acc: 0.8534 - auroc: 0.75 - ETA: 35:41 - loss: 0.4336 - acc: 0.8533 - auroc: 0.75 - ET
A: 35:05 - loss: 0.4337 - acc: 0.8534 - auroc: 0.75 - ETA: 34:27 - loss: 0.4334 - acc: 0.8535 - au
roc: 0.75 - ETA: 33:49 - loss: 0.4331 - acc: 0.8538 - auroc: 0.75 - ETA: 33:11 - loss: 0.4331 - ac
c: 0.8538 - auroc: 0.75 - ETA: 32:33 - loss: 0.4331 - acc: 0.8538 - auroc: 0.75 - ETA: 31:55 - los
s: 0.4334 - acc: 0.8536 - auroc: 0.75 - ETA: 31:17 - loss: 0.4333 - acc: 0.8536 - auroc: 0.75 - ET
A: 30:37 - loss: 0.4336 - acc: 0.8537 - auroc: 0.75 - ETA: 29:56 - loss: 0.4337 - acc: 0.8534 - au
roc: 0.75 - ETA: 29:16 - loss: 0.4340 - acc: 0.8534 - auroc: 0.75 - ETA: 28:36 - loss: 0.4340 - ac
c: 0.8533 - auroc: 0.75 - ETA: 27:55 - loss: 0.4340 - acc: 0.8533 - auroc: 0.75 - ETA: 27:15 - los
s: 0.4342 - acc: 0.8533 - auroc: 0.75 - ETA: 26:33 - loss: 0.4342 - acc: 0.8533 - auroc: 0.75 - ET
A: 25:52 - loss: 0.4344 - acc: 0.8531 - auroc: 0.75 - ETA: 25:11 - loss: 0.4346 - acc: 0.8529 - au
roc: 0.75 - ETA: 24:30 - loss: 0.4346 - acc: 0.8530 - auroc: 0.75 - ETA: 23:50 - loss: 0.4348 - ac
c: 0.8528 - auroc: 0.75 - ETA: 23:08 - loss: 0.4352 - acc: 0.8525 - auroc: 0.75 - ETA: 22:28 - los
s: 0.4354 - acc: 0.8526 - auroc: 0.75 - ETA: 21:45 - loss: 0.4357 - acc: 0.8525 - auroc: 0.75 - ET
A: 21:03 - loss: 0.4355 - acc: 0.8528 - auroc: 0.75 - ETA: 20:21 - loss: 0.4354 - acc: 0.8528 - au
roc: 0.75 - ETA: 19:38 - loss: 0.4357 - acc: 0.8525 - auroc: 0.75 - ETA: 18:55 - loss: 0.4355 - ac
c: 0.8527 - auroc: 0.75 - ETA: 18:12 - loss: 0.4355 - acc: 0.8527 - auroc: 0.75 - ETA: 17:29 - los
s: 0.4352 - acc: 0.8528 - auroc: 0.75 - ETA: 16:45 - loss: 0.4355 - acc: 0.8527 - auroc: 0.75 - ET
A: 16:01 - loss: 0.4352 - acc: 0.8528 - auroc: 0.75 - ETA: 15:17 - loss: 0.4355 - acc: 0.8527 - au
roc: 0.75 - ETA: 14:34 - loss: 0.4356 - acc: 0.8526 - auroc: 0.75 - ETA: 13:50 - loss: 0.4355 - ac
c: 0.8527 - auroc: 0.75 - ETA: 13:06 - loss: 0.4356 - acc: 0.8527 - auroc: 0.75 - ETA: 12:22 - los
s: 0.4361 - acc: 0.8524 - auroc: 0.75 - ETA: 11:38 - loss: 0.4362 - acc: 0.8522 - auroc: 0.75 - ET
A: 10:54 - loss: 0.4363 - acc: 0.8522 - auroc: 0.75 - ETA: 10:11 - loss: 0.4364 - acc: 0.8520 - au
roc: 0.75 - ETA: 9:27 - loss: 0.4363 - acc: 0.8520 - auroc: 0.7572 - ETA: 8:42 - loss: 0.4363 - ac
c: 0.8519 - auroc: 0.757 - ETA: 7:58 - loss: 0.4364 - acc: 0.8519 - auroc: 0.757 - ETA: 7:14 - los
s: 0.4367 - acc: 0.8515 - auroc: 0.757 - ETA: 6:29 - loss: 0.4368 - acc: 0.8515 - auroc: 0.757 - E
TA: 5:44 - loss: 0.4369 - acc: 0.8513 - auroc: 0.758 - ETA: 4:59 - loss: 0.4370 - acc: 0.8512 - au
roc: 0.758 - ETA: 4:14 - loss: 0.4370 - acc: 0.8514 - auroc: 0.757 - ETA: 3:28 - loss: 0.4372 - ac
c: 0.8513 - auroc: 0.757 - ETA: 2:43 - loss: 0.4373 - acc: 0.8513 - auroc: 0.757 - ETA: 1:57 - los
s: 0.4376 - acc: 0.8513 - auroc: 0.756 - ETA: 1:11 - loss: 0.4379 - acc: 0.8513 - auroc: 0.756 - E
TA: 25s - loss: 0.4379 - acc: 0.8513 - auroc: 0.756 - 6549s 94ms/step - loss: 0.4378 - acc: 0.8514
- auroc: 0.7563 - val_loss: 0.4478 - val_acc: 0.8521 - val_auroc: 0.7439
Epoch 13/15
69918/69918 [==============================] - ETA: 1:57:15 - loss: 0.4037 - acc: 0.8789 - auroc:

09916/09916 [   ] - ETA: 1:57:15 - loss: 0.4557 - acc: 0.8509 - auroc:
0.77 - ETA: 1:57:31 - loss: 0.4509 - acc: 0.8525 - auroc: 0.74 - ETA: 1:56:10 - loss: 0.4477 - acc
: 0.8496 - auroc: 0.73 - ETA: 1:55:01 - loss: 0.4518 - acc: 0.8496 - auroc: 0.72 - ETA: 1:53:53 -
loss: 0.4468 - acc: 0.8551 - auroc: 0.72 - ETA: 1:52:54 - loss: 0.4456 - acc: 0.8538 - auroc: 0.72
- ETA: 1:51:58 - loss: 0.4465 - acc: 0.8507 - auroc: 0.73 - ETA: 1:50:56 - loss: 0.4408 - acc: 0.8
528 - auroc: 0.74 - ETA: 1:50:28 - loss: 0.4381 - acc: 0.8539 - auroc: 0.74 - ETA: 1:49:04 - loss:
0.4438 - acc: 0.8523 - auroc: 0.74 - ETA: 1:47:44 - loss: 0.4414 - acc: 0.8530 - auroc: 0.74 - ETA
: 1:46:25 - loss: 0.4455 - acc: 0.8512 - auroc: 0.73 - ETA: 1:45:13 - loss: 0.4472 - acc: 0.8498 -
auroc: 0.73 - ETA: 1:44:06 - loss: 0.4462 - acc: 0.8485 - auroc: 0.74 - ETA: 1:43:07 - loss: 0.445
3 - acc: 0.8487 - auroc: 0.74 - ETA: 1:42:20 - loss: 0.4470 - acc: 0.8473 - auroc: 0.74 - ETA: 1:4
1:33 - loss: 0.4466 - acc: 0.8478 - auroc: 0.74 - ETA: 1:40:40 - loss: 0.4439 - acc: 0.8494 - auro
c: 0.75 - ETA: 1:39:53 - loss: 0.4430 - acc: 0.8496 - auroc: 0.75 - ETA: 1:39:07 - loss: 0.4426 -
acc: 0.8495 - auroc: 0.75 - ETA: 1:38:17 - loss: 0.4438 - acc: 0.8492 - auroc: 0.75 - ETA: 1:37:28
- loss: 0.4431 - acc: 0.8497 - auroc: 0.75 - ETA: 1:36:45 - loss: 0.4424 - acc: 0.8499 - auroc: 0.
75 - ETA: 1:35:56 - loss: 0.4421 - acc: 0.8494 - auroc: 0.75 - ETA: 1:34:57 - loss: 0.4408 - acc:
0.8496 - auroc: 0.75 - ETA: 1:33:58 - loss: 0.4404 - acc: 0.8501 - auroc: 0.75 - ETA: 1:33:01 - lo
ss: 0.4396 - acc: 0.8501 - auroc: 0.75 - ETA: 1:32:03 - loss: 0.4394 - acc: 0.8497 - auroc: 0.76 -
ETA: 1:31:06 - loss: 0.4396 - acc: 0.8495 - auroc: 0.75 - ETA: 1:30:08 - loss: 0.4398 - acc: 0.849
1 - auroc: 0.76 - ETA: 1:29:12 - loss: 0.4409 - acc: 0.8482 - auroc: 0.75 - ETA: 1:28:18 - loss: 0
.4406 - acc: 0.8487 - auroc: 0.75 - ETA: 1:27:26 - loss: 0.4386 - acc: 0.8497 - auroc: 0.76 - ETA:
1:26:32 - loss: 0.4392 - acc: 0.8497 - auroc: 0.76 - ETA: 1:25:39 - loss: 0.4383 - acc: 0.8504 - a
uroc: 0.76 - ETA: 1:24:44 - loss: 0.4380 - acc: 0.8505 - auroc: 0.76 - ETA: 1:23:49 - loss: 0.4374
- acc: 0.8507 - auroc: 0.76 - ETA: 1:22:57 - loss: 0.4375 - acc: 0.8506 - auroc: 0.76 - ETA: 1:22:
05 - loss: 0.4374 - acc: 0.8505 - auroc: 0.76 - ETA: 1:21:12 - loss: 0.4380 - acc: 0.8500 - auroc:
0.76 - ETA: 1:20:19 - loss: 0.4369 - acc: 0.8508 - auroc: 0.76 - ETA: 1:19:27 - loss: 0.4352 - acc
: 0.8514 - auroc: 0.76 - ETA: 1:18:35 - loss: 0.4355 - acc: 0.8515 - auroc: 0.76 - ETA: 1:17:43 -
loss: 0.4357 - acc: 0.8513 - auroc: 0.76 - ETA: 1:16:52 - loss: 0.4346 - acc: 0.8518 - auroc: 0.76
- ETA: 1:16:00 - loss: 0.4344 - acc: 0.8519 - auroc: 0.76 - ETA: 1:15:12 - loss: 0.4342 - acc: 0.8
521 - auroc: 0.76 - ETA: 1:14:23 - loss: 0.4338 - acc: 0.8520 - auroc: 0.76 - ETA: 1:13:35 - loss:
0.4349 - acc: 0.8516 - auroc: 0.76 - ETA: 1:12:46 - loss: 0.4348 - acc: 0.8516 - auroc: 0.76 - ETA
: 1:11:54 - loss: 0.4348 - acc: 0.8514 - auroc: 0.76 - ETA: 1:11:03 - loss: 0.4352 - acc: 0.8510 -
auroc: 0.76 - ETA: 1:10:13 - loss: 0.4353 - acc: 0.8512 - auroc: 0.76 - ETA: 1:09:24 - loss: 0.435
3 - acc: 0.8510 - auroc: 0.76 - ETA: 1:08:35 - loss: 0.4357 - acc: 0.8508 - auroc: 0.76 - ETA: 1:0
7:47 - loss: 0.4356 - acc: 0.8508 - auroc: 0.76 - ETA: 1:06:58 - loss: 0.4351 - acc: 0.8510 - auro
c: 0.76 - ETA: 1:06:09 - loss: 0.4355 - acc: 0.8508 - auroc: 0.76 - ETA: 1:05:19 - loss: 0.4351 -
acc: 0.8510 - auroc: 0.76 - ETA: 1:04:30 - loss: 0.4351 - acc: 0.8511 - auroc: 0.76 - ETA: 1:03:41
- loss: 0.4344 - acc: 0.8514 - auroc: 0.76 - ETA: 1:02:52 - loss: 0.4341 - acc: 0.8515 - auroc: 0.
76 - ETA: 1:02:03 - loss: 0.4345 - acc: 0.8514 - auroc: 0.76 - ETA: 1:01:13 - loss: 0.4337 - acc:
0.8521 - auroc: 0.76 - ETA: 1:00:24 - loss: 0.4338 - acc: 0.8522 - auroc: 0.76 - ETA: 59:34 - loss
: 0.4330 - acc: 0.8525 - auroc: 0.7640 - ETA: 58:45 - loss: 0.4336 - acc: 0.8522 - auroc: 0.76 - E
TA: 57:55 - loss: 0.4330 - acc: 0.8525 - auroc: 0.76 - ETA: 57:06 - loss: 0.4328 - acc: 0.8524 - a
uroc: 0.76 - ETA: 56:15 - loss: 0.4319 - acc: 0.8529 - auroc: 0.76 - ETA: 55:26 - loss: 0.4321 - a
cc: 0.8527 - auroc: 0.76 - ETA: 54:36 - loss: 0.4320 - acc: 0.8527 - auroc: 0.76 - ETA: 53:46 - lo
ss: 0.4319 - acc: 0.8529 - auroc: 0.76 - ETA: 52:57 - loss: 0.4318 - acc: 0.8528 - auroc: 0.76 - E
TA: 52:07 - loss: 0.4319 - acc: 0.8530 - auroc: 0.76 - ETA: 51:17 - loss: 0.4314 - acc: 0.8534 - a
uroc: 0.76 - ETA: 50:25 - loss: 0.4311 - acc: 0.8535 - auroc: 0.76 - ETA: 49:37 - loss: 0.4310 - a
cc: 0.8536 - auroc: 0.76 - ETA: 48:50 - loss: 0.4312 - acc: 0.8535 - auroc: 0.76 - ETA: 48:00 - lo
ss: 0.4317 - acc: 0.8532 - auroc: 0.76 - ETA: 47:15 - loss: 0.4319 - acc: 0.8530 - auroc: 0.76 - E
TA: 46:27 - loss: 0.4317 - acc: 0.8531 - auroc: 0.76 - ETA: 45:38 - loss: 0.4317 - acc: 0.8533 - a
uroc: 0.76 - ETA: 44:51 - loss: 0.4318 - acc: 0.8533 - auroc: 0.76 - ETA: 44:06 - loss: 0.4317 - a
cc: 0.8532 - auroc: 0.76 - ETA: 43:17 - loss: 0.4317 - acc: 0.8532 - auroc: 0.76 - ETA: 42:26 - lo
ss: 0.4319 - acc: 0.8532 - auroc: 0.76 - ETA: 41:35 - loss: 0.4318 - acc: 0.8532 - auroc: 0.76 - E
TA: 40:44 - loss: 0.4322 - acc: 0.8530 - auroc: 0.76 - ETA: 39:53 - loss: 0.4324 - acc: 0.8531 - a
uroc: 0.76 - ETA: 39:02 - loss: 0.4324 - acc: 0.8531 - auroc: 0.76 - ETA: 38:11 - loss: 0.4324 - a
cc: 0.8531 - auroc: 0.76 - ETA: 37:20 - loss: 0.4322 - acc: 0.8532 - auroc: 0.76 - ETA: 36:29 - lo
ss: 0.4327 - acc: 0.8531 - auroc: 0.76 - ETA: 35:37 - loss: 0.4329 - acc: 0.8530 - auroc: 0.76 - E
TA: 34:46 - loss: 0.4329 - acc: 0.8531 - auroc: 0.76 - ETA: 33:55 - loss: 0.4331 - acc: 0.8530 - a
uroc: 0.76 - ETA: 33:05 - loss: 0.4329 - acc: 0.8530 - auroc: 0.76 - ETA: 32:14 - loss: 0.4335 - a
cc: 0.8527 - auroc: 0.76 - ETA: 31:23 - loss: 0.4334 - acc: 0.8527 - auroc: 0.76 - ETA: 30:32 - lo
ss: 0.4334 - acc: 0.8528 - auroc: 0.76 - ETA: 29:41 - loss: 0.4332 - acc: 0.8530 - auroc: 0.76 - E
TA: 28:50 - loss: 0.4332 - acc: 0.8529 - auroc: 0.76 - ETA: 27:58 - loss: 0.4337 - acc: 0.8527 - a
uroc: 0.76 - ETA: 27:07 - loss: 0.4336 - acc: 0.8528 - auroc: 0.76 - ETA: 26:15 - loss: 0.4334 - a
cc: 0.8528 - auroc: 0.76 - ETA: 25:23 - loss: 0.4334 - acc: 0.8527 - auroc: 0.76 - ETA: 24:31 - lo
ss: 0.4336 - acc: 0.8527 - auroc: 0.76 - ETA: 23:39 - loss: 0.4334 - acc: 0.8528 - auroc: 0.76 - E
TA: 22:47 - loss: 0.4335 - acc: 0.8529 - auroc: 0.76 - ETA: 21:55 - loss: 0.4337 - acc: 0.8527 - a
uroc: 0.76 - ETA: 21:03 - loss: 0.4341 - acc: 0.8525 - auroc: 0.76 - ETA: 20:12 - loss: 0.4347 - a
cc: 0.8522 - auroc: 0.76 - ETA: 19:20 - loss: 0.4345 - acc: 0.8522 - auroc: 0.76 - ETA: 18:28 - lo
ss: 0.4344 - acc: 0.8522 - auroc: 0.76 - ETA: 17:36 - loss: 0.4341 - acc: 0.8524 - auroc: 0.76 - E
TA: 16:45 - loss: 0.4340 - acc: 0.8524 - auroc: 0.76 - ETA: 15:53 - loss: 0.4340 - acc: 0.8523 - a
uroc: 0.76 - ETA: 15:01 - loss: 0.4337 - acc: 0.8525 - auroc: 0.76 - ETA: 14:10 - loss: 0.4335 - a
cc: 0.8526 - auroc: 0.76 - ETA: 13:18 - loss: 0.4338 - acc: 0.8525 - auroc: 0.76 - ETA: 12:27 - lo
ss: 0.4340 - acc: 0.8524 - auroc: 0.76 - ETA: 11:35 - loss: 0.4339 - acc: 0.8524 - auroc: 0.76 - E
TA: 10:44 - loss: 0.4339 - acc: 0.8523 - auroc: 0.76 - ETA: 9:52 - loss: 0.4339 - acc: 0.8522 - au
roc: 0.7655 - ETA: 9:01 - loss: 0.4339 - acc: 0.8523 - auroc: 0.765 - ETA: 8:09 - loss: 0.4338 - a
cc: 0.8524 - auroc: 0.765 - ETA: 7:18 - loss: 0.4341 - acc: 0.8523 - auroc: 0.765 - ETA: 6:27 - lo
ss: 0.4338 - acc: 0.8524 - auroc: 0.765 - ETA: 5:35 - loss: 0.4341 - acc: 0.8523 - auroc: 0.765 -
ETA: 4:44 - loss: 0.4341 - acc: 0.8521 - auroc: 0.765 - ETA: 3:53 - loss: 0.4340 - acc: 0.8522 - a
uroc: 0.765 - ETA: 3:02 - loss: 0.4339 - acc: 0.8521 - auroc: 0.766 - ETA: 2:11 - loss: 0.4339 - a

auroc: 0.765 - ETA: 3:02 - loss: 0.4339 - acc: 0.8521 - auroc: 0.766 - ETA: 2:11 - loss: 0.4339 - a
cc: 0.8520 - auroc: 0.766 - ETA: 1:19 - loss: 0.4339 - acc: 0.8521 - auroc: 0.765 - ETA: 28s - los
s: 0.4337 - acc: 0.8521 - auroc: 0.766 - 7138s 102ms/step - loss: 0.4338 - acc: 0.8520 - auroc: 0.
7662 - val_loss: 0.4439 - val_acc: 0.8541 - val_auroc: 0.7463
Epoch 14/15
69918/69918 [==============================] - ETA: 1:02:53 - loss: 0.4482 - acc: 0.8477 - auroc:
0.77 - ETA: 1:02:09 - loss: 0.4264 - acc: 0.8555 - auroc: 0.76 - ETA: 1:01:03 - loss: 0.4332 - acc
: 0.8555 - auroc: 0.74 - ETA: 1:00:26 - loss: 0.4377 - acc: 0.8569 - auroc: 0.74 - ETA: 59:44 - lo
ss: 0.4381 - acc: 0.8562 - auroc: 0.7492 - ETA: 59:09 - loss: 0.4355 - acc: 0.8594 - auroc: 0.74 -
ETA: 58:41 - loss: 0.4363 - acc: 0.8580 - auroc: 0.74 - ETA: 58:14 - loss: 0.4340 - acc: 0.8599 -
auroc: 0.74 - ETA: 57:47 - loss: 0.4324 - acc: 0.8587 - auroc: 0.75 - ETA: 57:15 - loss: 0.4275 -
acc: 0.8609 - auroc: 0.75 - ETA: 56:46 - loss: 0.4271 - acc: 0.8603 - auroc: 0.75 - ETA: 56:13 - l
oss: 0.4275 - acc: 0.8589 - auroc: 0.76 - ETA: 55:43 - loss: 0.4325 - acc: 0.8553 - auroc: 0.76 -
ETA: 55:12 - loss: 0.4333 - acc: 0.8544 - auroc: 0.76 - ETA: 54:45 - loss: 0.4326 - acc: 0.8551 -
auroc: 0.76 - ETA: 54:19 - loss: 0.4327 - acc: 0.8549 - auroc: 0.76 - ETA: 53:57 - loss: 0.4321 -
acc: 0.8551 - auroc: 0.76 - ETA: 53:43 - loss: 0.4306 - acc: 0.8556 - auroc: 0.76 - ETA: 53:29 - l
oss: 0.4307 - acc: 0.8550 - auroc: 0.76 - ETA: 53:12 - loss: 0.4311 - acc: 0.8554 - auroc: 0.76 -
ETA: 52:57 - loss: 0.4313 - acc: 0.8547 - auroc: 0.76 - ETA: 52:28 - loss: 0.4315 - acc: 0.8548 -
auroc: 0.76 - ETA: 51:59 - loss: 0.4302 - acc: 0.8559 - auroc: 0.76 - ETA: 51:29 - loss: 0.4317 -
acc: 0.8547 - auroc: 0.76 - ETA: 51:07 - loss: 0.4316 - acc: 0.8541 - auroc: 0.76 - ETA: 50:46 - l
oss: 0.4305 - acc: 0.8545 - auroc: 0.76 - ETA: 50:23 - loss: 0.4286 - acc: 0.8551 - auroc: 0.76 -
ETA: 50:04 - loss: 0.4287 - acc: 0.8554 - auroc: 0.76 - ETA: 49:42 - loss: 0.4300 - acc: 0.8544 -
auroc: 0.76 - ETA: 49:18 - loss: 0.4318 - acc: 0.8535 - auroc: 0.76 - ETA: 48:53 - loss: 0.4320 -
acc: 0.8535 - auroc: 0.76 - ETA: 48:28 - loss: 0.4320 - acc: 0.8530 - auroc: 0.76 - ETA: 48:05 - l
oss: 0.4313 - acc: 0.8534 - auroc: 0.76 - ETA: 47:42 - loss: 0.4301 - acc: 0.8539 - auroc: 0.77 -
ETA: 47:19 - loss: 0.4299 - acc: 0.8535 - auroc: 0.77 - ETA: 46:49 - loss: 0.4301 - acc: 0.8536 -
auroc: 0.77 - ETA: 46:30 - loss: 0.4299 - acc: 0.8538 - auroc: 0.77 - ETA: 46:04 - loss: 0.4296 -
acc: 0.8537 - auroc: 0.77 - ETA: 45:36 - loss: 0.4296 - acc: 0.8541 - auroc: 0.77 - ETA: 45:06 - l
oss: 0.4303 - acc: 0.8535 - auroc: 0.77 - ETA: 44:35 - loss: 0.4308 - acc: 0.8533 - auroc: 0.77 -
ETA: 44:05 - loss: 0.4305 - acc: 0.8535 - auroc: 0.77 - ETA: 43:34 - loss: 0.4317 - acc: 0.8529 -
auroc: 0.77 - ETA: 43:04 - loss: 0.4310 - acc: 0.8528 - auroc: 0.77 - ETA: 42:34 - loss: 0.4304 -
acc: 0.8527 - auroc: 0.77 - ETA: 42:04 - loss: 0.4315 - acc: 0.8522 - auroc: 0.77 - ETA: 41:35 - l
oss: 0.4310 - acc: 0.8525 - auroc: 0.77 - ETA: 41:06 - loss: 0.4317 - acc: 0.8523 - auroc: 0.77 -
ETA: 40:39 - loss: 0.4324 - acc: 0.8520 - auroc: 0.77 - ETA: 40:10 - loss: 0.4318 - acc: 0.8523 -
auroc: 0.77 - ETA: 39:41 - loss: 0.4316 - acc: 0.8525 - auroc: 0.77 - ETA: 39:12 - loss: 0.4316 -
acc: 0.8524 - auroc: 0.77 - ETA: 38:44 - loss: 0.4312 - acc: 0.8528 - auroc: 0.77 - ETA: 38:15 - l
oss: 0.4306 - acc: 0.8533 - auroc: 0.77 - ETA: 37:47 - loss: 0.4301 - acc: 0.8535 - auroc: 0.77 -
ETA: 37:18 - loss: 0.4293 - acc: 0.8538 - auroc: 0.77 - ETA: 36:49 - loss: 0.4285 - acc: 0.8541 -
auroc: 0.77 - ETA: 36:20 - loss: 0.4280 - acc: 0.8544 - auroc: 0.77 - ETA: 35:51 - loss: 0.4281 -
acc: 0.8544 - auroc: 0.77 - ETA: 35:23 - loss: 0.4282 - acc: 0.8544 - auroc: 0.77 - ETA: 34:55 - l
oss: 0.4282 - acc: 0.8544 - auroc: 0.77 - ETA: 34:26 - loss: 0.4280 - acc: 0.8545 - auroc: 0.77 -
ETA: 33:58 - loss: 0.4280 - acc: 0.8543 - auroc: 0.77 - ETA: 33:29 - loss: 0.4279 - acc: 0.8544 -
auroc: 0.77 - ETA: 33:01 - loss: 0.4276 - acc: 0.8545 - auroc: 0.77 - ETA: 32:32 - loss: 0.4281 -
acc: 0.8541 - auroc: 0.77 - ETA: 32:04 - loss: 0.4284 - acc: 0.8540 - auroc: 0.77 - ETA: 31:35 - l
oss: 0.4285 - acc: 0.8539 - auroc: 0.77 - ETA: 31:07 - loss: 0.4284 - acc: 0.8541 - auroc: 0.77 -
ETA: 30:38 - loss: 0.4282 - acc: 0.8543 - auroc: 0.77 - ETA: 30:10 - loss: 0.4282 - acc: 0.8541 -
auroc: 0.77 - ETA: 29:43 - loss: 0.4282 - acc: 0.8542 - auroc: 0.77 - ETA: 29:16 - loss: 0.4282 -
acc: 0.8543 - auroc: 0.77 - ETA: 28:49 - loss: 0.4279 - acc: 0.8545 - auroc: 0.77 - ETA: 28:22 - l
oss: 0.4282 - acc: 0.8543 - auroc: 0.77 - ETA: 27:54 - loss: 0.4276 - acc: 0.8546 - auroc: 0.77 -
ETA: 27:26 - loss: 0.4276 - acc: 0.8545 - auroc: 0.77 - ETA: 26:59 - loss: 0.4276 - acc: 0.8546 -
auroc: 0.77 - ETA: 26:31 - loss: 0.4277 - acc: 0.8546 - auroc: 0.77 - ETA: 26:03 - loss: 0.4278 -
acc: 0.8544 - auroc: 0.77 - ETA: 25:36 - loss: 0.4273 - acc: 0.8545 - auroc: 0.77 - ETA: 25:09 - l
oss: 0.4270 - acc: 0.8547 - auroc: 0.77 - ETA: 24:41 - loss: 0.4269 - acc: 0.8548 - auroc: 0.77 -
ETA: 24:14 - loss: 0.4270 - acc: 0.8548 - auroc: 0.77 - ETA: 23:47 - loss: 0.4270 - acc: 0.8548 -
auroc: 0.77 - ETA: 23:19 - loss: 0.4272 - acc: 0.8547 - auroc: 0.77 - ETA: 22:52 - loss: 0.4277 -
acc: 0.8543 - auroc: 0.77 - ETA: 22:24 - loss: 0.4281 - acc: 0.8542 - auroc: 0.77 - ETA: 21:57 - l
oss: 0.4275 - acc: 0.8544 - auroc: 0.77 - ETA: 21:29 - loss: 0.4276 - acc: 0.8543 - auroc: 0.77 -
ETA: 21:02 - loss: 0.4275 - acc: 0.8544 - auroc: 0.77 - ETA: 20:34 - loss: 0.4274 - acc: 0.8544 -
auroc: 0.77 - ETA: 20:07 - loss: 0.4274 - acc: 0.8546 - auroc: 0.77 - ETA: 19:40 - loss: 0.4276 -
acc: 0.8543 - auroc: 0.77 - ETA: 19:12 - loss: 0.4278 - acc: 0.8543 - auroc: 0.77 - ETA: 18:45 - l
oss: 0.4281 - acc: 0.8541 - auroc: 0.77 - ETA: 18:17 - loss: 0.4280 - acc: 0.8542 - auroc: 0.77 -
ETA: 17:49 - loss: 0.4280 - acc: 0.8543 - auroc: 0.77 - ETA: 17:22 - loss: 0.4282 - acc: 0.8542 -
auroc: 0.77 - ETA: 16:54 - loss: 0.4283 - acc: 0.8541 - auroc: 0.77 - ETA: 16:26 - loss: 0.4284 -
acc: 0.8540 - auroc: 0.77 - ETA: 15:59 - loss: 0.4283 - acc: 0.8539 - auroc: 0.77 - ETA: 15:31 - l
oss: 0.4282 - acc: 0.8540 - auroc: 0.77 - ETA: 15:03 - loss: 0.4283 - acc: 0.8541 - auroc: 0.77 -
ETA: 14:36 - loss: 0.4278 - acc: 0.8544 - auroc: 0.77 - ETA: 14:08 - loss: 0.4278 - acc: 0.8543 -
auroc: 0.77 - ETA: 13:40 - loss: 0.4274 - acc: 0.8544 - auroc: 0.77 - ETA: 13:12 - loss: 0.4270 -
acc: 0.8545 - auroc: 0.77 - ETA: 12:45 - loss: 0.4267 - acc: 0.8546 - auroc: 0.77 - ETA: 12:17 - l
oss: 0.4262 - acc: 0.8550 - auroc: 0.77 - ETA: 11:49 - loss: 0.4264 - acc: 0.8549 - auroc: 0.77 -
ETA: 11:22 - loss: 0.4270 - acc: 0.8548 - auroc: 0.77 - ETA: 10:54 - loss: 0.4272 - acc: 0.8547 -
auroc: 0.77 - ETA: 10:26 - loss: 0.4273 - acc: 0.8546 - auroc: 0.77 - ETA: 9:59 - loss: 0.4276 - a
cc: 0.8543 - auroc: 0.7763 - ETA: 9:31 - loss: 0.4275 - acc: 0.8543 - auroc: 0.776 - ETA: 9:03 - l
oss: 0.4278 - acc: 0.8542 - auroc: 0.776 - ETA: 8:35 - loss: 0.4281 - acc: 0.8540 - auroc: 0.776 -
ETA: 8:08 - loss: 0.4281 - acc: 0.8541 - auroc: 0.775 - ETA: 7:40 - loss: 0.4284 - acc: 0.8538 - a
uroc: 0.776 - ETA: 7:12 - loss: 0.4284 - acc: 0.8537 - auroc: 0.776 - ETA: 6:44 - loss: 0.4284 - a
cc: 0.8537 - auroc: 0.776 - ETA: 6:16 - loss: 0.4283 - acc: 0.8537 - auroc: 0.776 - ETA: 5:48 - lo
ss: 0.4279 - acc: 0.8540 - auroc: 0.776 - ETA: 5:21 - loss: 0.4282 - acc: 0.8539 - auroc: 0.776 -
ETA: 4:53 - loss: 0.4282 - acc: 0.8539 - auroc: 0.776 - ETA: 4:25 - loss: 0.4283 - acc: 0.8539 - a

ETA: 4:55 - loss: 0.4282 - acc: 0.8539 - auroc: 0.776 - ETA: 4:25 - loss: 0.4285 - acc: 0.8539 - a
uroc: 0.775 - ETA: 3:58 - loss: 0.4287 - acc: 0.8538 - auroc: 0.775 - ETA: 3:30 - loss: 0.4286 - a
cc: 0.8539 - auroc: 0.775 - ETA: 3:02 - loss: 0.4289 - acc: 0.8537 - auroc: 0.775 - ETA: 2:35 - lo
ss: 0.4287 - acc: 0.8538 - auroc: 0.775 - ETA: 2:07 - loss: 0.4288 - acc: 0.8537 - auroc: 0.775 -
ETA: 1:39 - loss: 0.4287 - acc: 0.8538 - auroc: 0.775 - ETA: 1:11 - loss: 0.4289 - acc: 0.8537 - a
uroc: 0.775 - ETA: 43s - loss: 0.4290 - acc: 0.8537 - auroc: 0.774 - ETA: 15s - loss: 0.4291 - acc
: 0.8537 - auroc: 0.77 - 3995s 57ms/step - loss: 0.4294 - acc: 0.8536 - auroc: 0.7744 - val_loss:
0.4470 - val_acc: 0.8537 - val_auroc: 0.7454
Epoch 15/15
69918/69918 [==============================] - ETA: 1:06:38 - loss: 0.4062 - acc: 0.8652 - auroc:
0.82 - ETA: 1:07:25 - loss: 0.3984 - acc: 0.8691 - auroc: 0.81 - ETA: 1:06:09 - loss: 0.4045 - acc
: 0.8678 - auroc: 0.79 - ETA: 1:06:30 - loss: 0.4157 - acc: 0.8604 - auroc: 0.79 - ETA: 1:05:45 -
loss: 0.4164 - acc: 0.8578 - auroc: 0.78 - ETA: 1:04:46 - loss: 0.4181 - acc: 0.8597 - auroc: 0.77
- ETA: 1:04:17 - loss: 0.4186 - acc: 0.8585 - auroc: 0.77 - ETA: 1:03:16 - loss: 0.4223 - acc: 0.8
564 - auroc: 0.77 - ETA: 1:02:43 - loss: 0.4237 - acc: 0.8561 - auroc: 0.77 - ETA: 1:02:03 - loss:
0.4264 - acc: 0.8541 - auroc: 0.77 - ETA: 1:01:27 - loss: 0.4252 - acc: 0.8546 - auroc: 0.78 - ETA
: 1:00:58 - loss: 0.4270 - acc: 0.8540 - auroc: 0.77 - ETA: 1:00:23 - loss: 0.4287 - acc: 0.8522 -
auroc: 0.77 - ETA: 1:00:04 - loss: 0.4282 - acc: 0.8527 - auroc: 0.77 - ETA: 59:37 - loss: 0.4268
- acc: 0.8540 - auroc: 0.7788 - ETA: 58:57 - loss: 0.4254 - acc: 0.8545 - auroc: 0.78 - ETA: 58:44
- loss: 0.4267 - acc: 0.8543 - auroc: 0.77 - ETA: 58:53 - loss: 0.4276 - acc: 0.8531 - auroc: 0.78
- ETA: 58:40 - loss: 0.4273 - acc: 0.8534 - auroc: 0.78 - ETA: 58:15 - loss: 0.4278 - acc: 0.8528
- auroc: 0.78 - ETA: 57:41 - loss: 0.4277 - acc: 0.8522 - auroc: 0.78 - ETA: 57:14 - loss: 0.4266
- acc: 0.8535 - auroc: 0.77 - ETA: 56:52 - loss: 0.4256 - acc: 0.8537 - auroc: 0.78 - ETA: 56:18 -
loss: 0.4253 - acc: 0.8534 - auroc: 0.78 - ETA: 55:48 - loss: 0.4244 - acc: 0.8536 - auroc: 0.78 -
ETA: 55:10 - loss: 0.4244 - acc: 0.8534 - auroc: 0.78 - ETA: 54:38 - loss: 0.4232 - acc: 0.8542 -
auroc: 0.78 - ETA: 54:15 - loss: 0.4248 - acc: 0.8534 - auroc: 0.78 - ETA: 53:49 - loss: 0.4234 -
acc: 0.8542 - auroc: 0.78 - ETA: 53:14 - loss: 0.4229 - acc: 0.8543 - auroc: 0.78 - ETA: 52:38 - l
oss: 0.4241 - acc: 0.8529 - auroc: 0.78 - ETA: 52:20 - loss: 0.4240 - acc: 0.8532 - auroc: 0.78 -
ETA: 51:49 - loss: 0.4238 - acc: 0.8530 - auroc: 0.78 - ETA: 51:29 - loss: 0.4240 - acc: 0.8532 -
auroc: 0.78 - ETA: 51:02 - loss: 0.4261 - acc: 0.8517 - auroc: 0.78 - ETA: 51:34 - loss: 0.4270 -
acc: 0.8512 - auroc: 0.78 - ETA: 52:01 - loss: 0.4272 - acc: 0.8511 - auroc: 0.78 - ETA: 52:28 - l
oss: 0.4277 - acc: 0.8511 - auroc: 0.78 - ETA: 52:54 - loss: 0.4268 - acc: 0.8517 - auroc: 0.78 -
ETA: 53:16 - loss: 0.4254 - acc: 0.8523 - auroc: 0.78 - ETA: 53:32 - loss: 0.4257 - acc: 0.8523 -
auroc: 0.78 - ETA: 53:44 - loss: 0.4253 - acc: 0.8525 - auroc: 0.78 - ETA: 53:52 - loss: 0.4259 -
acc: 0.8522 - auroc: 0.78 - ETA: 53:57 - loss: 0.4265 - acc: 0.8521 - auroc: 0.78 - ETA: 54:00 - l
oss: 0.4264 - acc: 0.8521 - auroc: 0.78 - ETA: 54:02 - loss: 0.4270 - acc: 0.8519 - auroc: 0.78 -
ETA: 54:04 - loss: 0.4273 - acc: 0.8520 - auroc: 0.78 - ETA: 54:06 - loss: 0.4266 - acc: 0.8525 -
auroc: 0.77 - ETA: 54:00 - loss: 0.4264 - acc: 0.8528 - auroc: 0.77 - ETA: 53:43 - loss: 0.4261 -
acc: 0.8532 - auroc: 0.77 - ETA: 53:24 - loss: 0.4266 - acc: 0.8528 - auroc: 0.77 - ETA: 53:04 - l
oss: 0.4261 - acc: 0.8531 - auroc: 0.77 - ETA: 52:42 - loss: 0.4259 - acc: 0.8532 - auroc: 0.77 -
ETA: 52:20 - loss: 0.4263 - acc: 0.8530 - auroc: 0.77 - ETA: 51:57 - loss: 0.4259 - acc: 0.8533 -
auroc: 0.77 - ETA: 51:33 - loss: 0.4262 - acc: 0.8532 - auroc: 0.77 - ETA: 51:08 - loss: 0.4267 -
acc: 0.8529 - auroc: 0.77 - ETA: 50:42 - loss: 0.4267 - acc: 0.8528 - auroc: 0.77 - ETA: 50:15 - l
oss: 0.4270 - acc: 0.8528 - auroc: 0.77 - ETA: 49:47 - loss: 0.4273 - acc: 0.8526 - auroc: 0.77 -
ETA: 49:19 - loss: 0.4271 - acc: 0.8525 - auroc: 0.77 - ETA: 48:50 - loss: 0.4272 - acc: 0.8523 -
auroc: 0.77 - ETA: 48:21 - loss: 0.4265 - acc: 0.8525 - auroc: 0.78 - ETA: 47:51 - loss: 0.4268 -
acc: 0.8522 - auroc: 0.78 - ETA: 47:21 - loss: 0.4269 - acc: 0.8520 - auroc: 0.78 - ETA: 46:49 - l
oss: 0.4268 - acc: 0.8521 - auroc: 0.78 - ETA: 46:18 - loss: 0.4271 - acc: 0.8520 - auroc: 0.78 -
ETA: 45:46 - loss: 0.4269 - acc: 0.8521 - auroc: 0.78 - ETA: 45:14 - loss: 0.4271 - acc: 0.8519 -
auroc: 0.78 - ETA: 44:41 - loss: 0.4269 - acc: 0.8524 - auroc: 0.78 - ETA: 44:07 - loss: 0.4268 -
acc: 0.8524 - auroc: 0.78 - ETA: 43:33 - loss: 0.4270 - acc: 0.8521 - auroc: 0.78 - ETA: 42:59 - l
oss: 0.4270 - acc: 0.8522 - auroc: 0.78 - ETA: 42:25 - loss: 0.4272 - acc: 0.8521 - auroc: 0.78 -
ETA: 41:51 - loss: 0.4273 - acc: 0.8521 - auroc: 0.77 - ETA: 41:15 - loss: 0.4271 - acc: 0.8521 -
auroc: 0.78 - ETA: 40:40 - loss: 0.4266 - acc: 0.8525 - auroc: 0.78 - ETA: 40:04 - loss: 0.4267 -
acc: 0.8525 - auroc: 0.78 - ETA: 39:27 - loss: 0.4264 - acc: 0.8526 - auroc: 0.78 - ETA: 38:51 - l
oss: 0.4267 - acc: 0.8525 - auroc: 0.78 - ETA: 38:14 - loss: 0.4267 - acc: 0.8527 - auroc: 0.78 -
ETA: 37:37 - loss: 0.4268 - acc: 0.8526 - auroc: 0.78 - ETA: 37:00 - loss: 0.4265 - acc: 0.8528 -
auroc: 0.78 - ETA: 36:22 - loss: 0.4263 - acc: 0.8530 - auroc: 0.78 - ETA: 35:44 - loss: 0.4260 -
acc: 0.8533 - auroc: 0.78 - ETA: 35:06 - loss: 0.4262 - acc: 0.8533 - auroc: 0.78 - ETA: 34:28 - l
oss: 0.4262 - acc: 0.8535 - auroc: 0.77 - ETA: 33:49 - loss: 0.4270 - acc: 0.8532 - auroc: 0.77 -
ETA: 33:10 - loss: 0.4267 - acc: 0.8531 - auroc: 0.78 - ETA: 32:32 - loss: 0.4269 - acc: 0.8530 -
auroc: 0.77 - ETA: 31:53 - loss: 0.4266 - acc: 0.8532 - auroc: 0.77 - ETA: 31:13 - loss: 0.4265 -
acc: 0.8532 - auroc: 0.77 - ETA: 30:34 - loss: 0.4263 - acc: 0.8534 - auroc: 0.77 - ETA: 29:54 - l
oss: 0.4259 - acc: 0.8535 - auroc: 0.77 - ETA: 29:14 - loss: 0.4255 - acc: 0.8537 - auroc: 0.78 -
ETA: 28:34 - loss: 0.4256 - acc: 0.8539 - auroc: 0.77 - ETA: 27:54 - loss: 0.4258 - acc: 0.8538 -
auroc: 0.77 - ETA: 27:14 - loss: 0.4256 - acc: 0.8539 - auroc: 0.77 - ETA: 26:34 - loss: 0.4253 -
acc: 0.8541 - auroc: 0.77 - ETA: 25:53 - loss: 0.4255 - acc: 0.8539 - auroc: 0.77 - ETA: 25:13 - l
oss: 0.4258 - acc: 0.8538 - auroc: 0.77 - ETA: 24:32 - loss: 0.4254 - acc: 0.8540 - auroc: 0.78 -
ETA: 23:51 - loss: 0.4253 - acc: 0.8539 - auroc: 0.78 - ETA: 23:10 - loss: 0.4254 - acc: 0.8539 -
auroc: 0.78 - ETA: 22:29 - loss: 0.4253 - acc: 0.8540 - auroc: 0.78 - ETA: 21:47 - loss: 0.4250 -
acc: 0.8542 - auroc: 0.78 - ETA: 21:06 - loss: 0.4251 - acc: 0.8542 - auroc: 0.78 - ETA: 20:24 - l
oss: 0.4253 - acc: 0.8542 - auroc: 0.78 - ETA: 19:43 - loss: 0.4253 - acc: 0.8542 - auroc: 0.77 -
ETA: 19:01 - loss: 0.4256 - acc: 0.8540 - auroc: 0.77 - ETA: 18:19 - loss: 0.4257 - acc: 0.8541 -
auroc: 0.77 - ETA: 17:37 - loss: 0.4256 - acc: 0.8541 - auroc: 0.78 - ETA: 16:55 - loss: 0.4255 -
acc: 0.8541 - auroc: 0.78 - ETA: 16:13 - loss: 0.4256 - acc: 0.8540 - auroc: 0.78 - ETA: 15:31 - l
oss: 0.4258 - acc: 0.8537 - auroc: 0.78 - ETA: 14:48 - loss: 0.4255 - acc: 0.8539 - auroc: 0.78 -
ETA: 14:06 - loss: 0.4255 - acc: 0.8539 - auroc: 0.78 - ETA: 13:23 - loss: 0.4258 - acc: 0.8538 -
auroc: 0.78 - ETA: 12:40 - loss: 0.4255 - acc: 0.8540 - auroc: 0.78 - ETA: 11:58 - loss: 0.4255

auroc: 0.78 - ETA: 12:40 - loss: 0.4255 - acc: 0.8540 - auroc: 0.78 - ETA: 11:58 - loss: 0.4255 - acc: 0.8540 - auroc: 0.78 - ETA: 11:15 - loss: 0.4253 - acc: 0.8542 - auroc: 0.78 - ETA: 10:32 - l oss: 0.4258 - acc: 0.8541 - auroc: 0.78 - ETA: 9:49 - loss: 0.4259 - acc: 0.8541 - auroc: 0.7802 - ETA: 9:06 - loss: 0.4258 - acc: 0.8542 - auroc: 0.780 - ETA: 8:23 - loss: 0.4258 - acc: 0.8542 - a uroc: 0.780 - ETA: 7:40 - loss: 0.4258 - acc: 0.8541 - auroc: 0.780 - ETA: 6:56 - loss: 0.4256 - a cc: 0.8542 - auroc: 0.780 - ETA: 6:13 - loss: 0.4255 - acc: 0.8542 - auroc: 0.780 - ETA: 5:30 - lo ss: 0.4259 - acc: 0.8539 - auroc: 0.780 - ETA: 4:46 - loss: 0.4261 - acc: 0.8538 - auroc: 0.780 - ETA: 4:03 - loss: 0.4257 - acc: 0.8541 - auroc: 0.780 - ETA: 3:19 - loss: 0.4254 - acc: 0.8543 - a uroc: 0.780 - ETA: 2:35 - loss: 0.4252 - acc: 0.8544 - auroc: 0.780 - ETA: 1:52 - loss: 0.4253 - a cc: 0.8544 - auroc: 0.780 - ETA: 1:08 - loss: 0.4251 - acc: 0.8544 - auroc: 0.780 - ETA: 24s - los s: 0.4253 - acc: 0.8543 - auroc: 0.780 - 6256s 89ms/step - loss: 0.4253 - acc: 0.8543 - auroc: 0.7 805 - val_loss: 0.4502 - val_acc: 0.8491 - val_auroc: 0.7450

In [83]:

```
result = model_3.evaluate({'text_input': essay_padded_test, 'rem':x_te_rem},
         y_binary_test,batch_size=batch_size)
```

21850/21850 [==============================] - ETA: 5: - ETA: 5: - ETA: 5: - ETA: 5: - ETA: 5: - E TA: 4: - ETA: 4: - ETA: 4: - ETA: 4: - ETA: 4: - ETA: 4: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 3: - ETA: 2: - ETA: 2: - ETA: 2: - ETA: 2: - ETA: 2: - ETA: 2: - ETA: 2: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 1: - ETA: 5 8s - ETA: 50 - ETA: 43 - ETA: 35 - ETA: 27 - ETA: 20 - ETA: 12 - ETA: 5 - 326s 15ms/step

In [90]:

```
print(result[0])
print(result[1])
print("val_auroc of test data :",result[2])
```

0.4503722227301696
0.8476887868307275
val_auroc of test data : 0.7465129057366187

In [85]:

```
%matplotlib notebook
%matplotlib inline
```

In [86]:

```
def plt_dynamic(x, vy, ty, ax, colors=['b']):
    ax.plot(x, vy, 'b', label="Validation Loss")
    ax.plot(x, ty, 'r', label="Train Loss")
    plt.legend()
    plt.grid()
    fig.canvas.draw()
```

In [87]:

```
fig,ax = plt.subplots(1,1)
ax.set_xlabel('epoch') ; ax.set_ylabel('binary Crossentropy Loss')

# list of epoch numbers
x = list(range(1,16))

# print(history.history.keys())
# dict_keys(['val_loss', 'val_acc', 'loss', 'acc'])
# history = model_drop.fit(X_train, Y_train, batch_size=batch_size, epochs=nb_epoch, verbose=1, va
lidation_data=(X_test, Y_test))

# we will get val_loss and val_acc only when you pass the paramter validation_data
# val_loss : validation loss
# val_acc : validation accuracy

# loss : training loss
# acc : train accuracy
# for each key in histrory.histrory we will have a list of length equal to number of epochs


vy = history_3.history['val_loss']
```
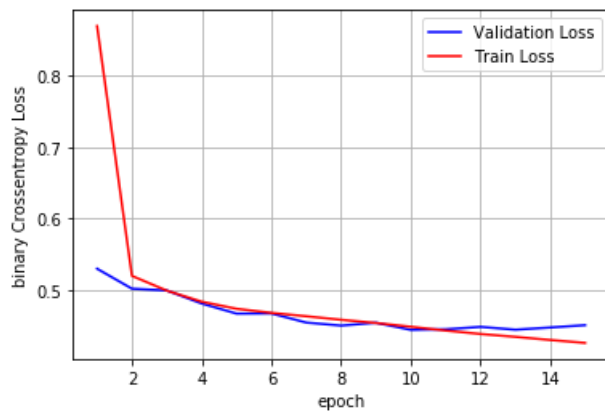
```
ty = history_3.history['loss']
plt_dynamic(x, vy, ty, ax)
```


In [88]:

```
def plt_dynamic_auc(x, vy, ty, ax, colors=['b']):
    ax.plot(x, vy, 'b', label="Validation auc")
    ax.plot(x, ty, 'r', label="Train auc")
    plt.legend()
    plt.grid()
    fig.canvas.draw()
```

In [89]:

```
fig,ax = plt.subplots(1,1)
ax.set_xlabel('epoch') ; ax.set_ylabel('auc')

# list of epoch numbers
x = list(range(1,16))

# print(history.history.keys())
# dict_keys(['val_loss', 'val_acc', 'loss', 'acc'])
# history = model_drop.fit(X_train, Y_train, batch_size=batch_size, epochs=nb_epoch, verbose=1, va
lidation_data=(X_test, Y_test))

# we will get val_loss and val_acc only when you pass the paramter validation_data
# val_loss : validation loss
# val_acc : validation accuracy

# loss : training loss
# acc : train accuracy
# for each key in histrory.histrory we will have a list of length equal to number of epochs


vy = history_3.history['val_auroc']
ty = history_3.history['auroc']
plt_dynamic_auc(x, vy, ty, ax)
```


Prettytable
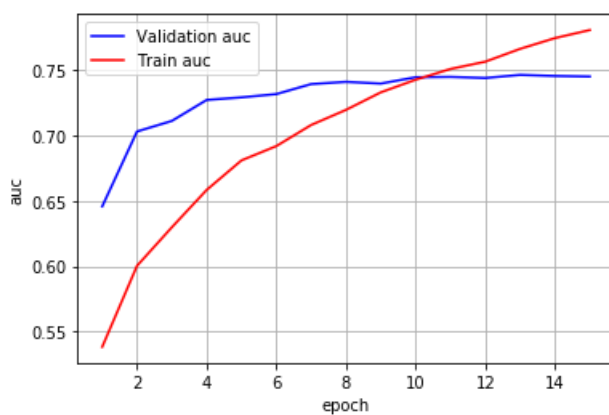
In [91]:

```python
from prettytable import PrettyTable
pt=PrettyTable()
pt.field_names=["Model","test_auroc"]
pt.add_row(["Model_1","71.62"])
pt.add_row(["Model_2","69.58"])
pt.add_row(["Model_3","74.65"])

print(pt)
```

```
+---------+------------+
|  Model  | test_auroc |
+---------+------------+
| Model_1 |   71.62    |
| Model_2 |   69.58    |
| Model_3 |   74.65    |
+---------+------------+
```

Conclusions

1. We have build three models on Donors Choose data.
2. Added plots for Crossentropy loss and auroc.
3. In all the models, difference between validation loss and train loss is not much.
4. In third model, there is some overfitting after 10 epochs for auroc value.
5. Model three has highest test auroc value.
6. In first model we used larger input units for Dense layers and for second model we took smaller input units.

In [ ]: