

Amazon Fine Food Reviews Analysis

Data Source: <https://www.kaggle.com/snap/amazon-fine-food-reviews> (<https://www.kaggle.com/snap/amazon-fine-food-reviews>)

EDA: <https://nycdatasience.com/blog/student-works/amazon-fine-foods-visualization/>
(<https://nycdatasience.com/blog/student-works/amazon-fine-foods-visualization/>)

The Amazon Fine Food Reviews dataset consists of reviews of fine foods from Amazon.

Number of reviews: 568,454

Number of users: 256,059

Number of products: 74,258

Timespan: Oct 1999 - Oct 2012

Number of Attributes/Columns in data: 10

Attribute Information:

1. Id
2. ProductId - unique identifier for the product
3. UserId - unique identifier for the user
4. ProfileName
5. HelpfulnessNumerator - number of users who found the review helpful
6. HelpfulnessDenominator - number of users who indicated whether they found the review helpful or not
7. Score - rating between 1 and 5
8. Time - timestamp for the review
9. Summary - brief summary of the review
10. Text - text of the review

Objective:

Given a review, determine whether the review is positive (rating of 4 or 5) or negative (rating of 1 or 2).

[Q] How to determine if a review is positive or negative?

[Ans] We could use Score/Rating. A rating of 4 or 5 can be considered as a positive review. A rating of 1 or 2 can be considered as negative one. A review of rating 3 is considered neutral and such reviews are ignored from our analysis. This is an approximate and proxy way of determining the polarity (positivity/negativity) of a review.

[1]. Reading Data

[1.1] Loading the data

The dataset is available in two forms

1. .csv file
2. SQLite Database

In order to load the data, We have used the SQLITE dataset as it is easier to query the data and visualise the data efficiently.

Here as we only want to get the global sentiment of the recommendations (positive or negative), we will purposefully ignore all Scores equal to 3. If the score is above 3, then the recommendation will be set to "positive". Otherwise, it will be set to "negative".

```
In [34]: %matplotlib inline
import warnings
warnings.filterwarnings("ignore")
import sqlite3
import pandas as pd
import numpy as np
import nltk
import string
import re
import string
from nltk.corpus import stopwords
from nltk.stem import PorterStemmer
from nltk.stem.wordnet import WordNetLemmatizer
from tqdm import tqdm
import os
import numpy
import pandas as pd
from keras.datasets import imdb
from keras.models import Sequential
from keras.layers import Dense
from keras.layers import LSTM
from keras.layers import Dropout
from keras.layers.embeddings import Embedding
from keras.preprocessing import sequence
from keras.preprocessing.text import Tokenizer
```

```

In [2]: # using SQLite Table to read data.
con = sqlite3.connect('C:\\Users\\admin\\Downloads\\AppliedAi\\Amazon Fine Food Reviews\\database.sqlite')

# filtering only positive and negative reviews i.e.
# not taking into consideration those reviews with Score=3
# SELECT * FROM Reviews WHERE Score != 3 LIMIT 500000, will give top 500000 data points
# you can change the number to any other number based on your computing power

# filtered_data = pd.read_sql_query(""" SELECT * FROM Reviews WHERE Score != 3 LIMIT 500000""", con)
# for tsne assignment you can take 5k data points

filtered_data = pd.read_sql_query(""" SELECT * FROM Reviews WHERE Score != 3 LIMIT 50000""", con)

# Give reviews with Score>3 a positive rating(1), and reviews with a score<3 a negative rating(0).
def partition(x):
    if x < 3:
        return 0
    return 1

#changing reviews with score less than 3 to be positive and vice-versa
actualScore = filtered_data['Score']
positiveNegative = actualScore.map(partition)
filtered_data['Score'] = positiveNegative
print("Number of data points in our data", filtered_data.shape)
filtered_data.head(3)

```

Number of data points in our data (50000, 10)

Out[2]:

	Id	ProductId	UserId	ProfileName	HelpfulnessNumerator	HelpfulnessDenominator
0	1	B001E4KFG0	A3SGXH7AUHU8GW	delmartian	1	
1	2	B00813GRG4	A1D87F6ZCVE5NK	dll pa	0	
2	3	B000LQOCH0	ABXLMWJIXXAIN	Natalia Corres "Natalia Corres"	1	

```
In [3]: display = pd.read_sql_query("""
SELECT UserId, ProductId, ProfileName, Time, Score, Text, COUNT(*)
FROM Reviews
GROUP BY UserId
HAVING COUNT(*)>1
""", con)
```

```
In [4]: print(display.shape)
display.head()
```

```
(80668, 7)
```

```
Out[4]:
```

	UserId	ProductId	ProfileName	Time	Score	Text	COUNT(*)
0	#oc-R115TNMSPFT9I7	B005ZBZLT4	Breyton	1331510400	2	Overall its just OK when considering the price...	2
1	#oc-R11D9D7SHXIJB9	B005HG9ESG	Louis E. Emory "hoppy"	1342396800	5	My wife has recurring extreme muscle spasms, u...	3
2	#oc-R11DNU2NBKQ23Z	B005ZBZLT4	Kim Cieszykowski	1348531200	1	This coffee is horrible and unfortunately not ...	2
3	#oc-R11O5J5ZVQE25C	B005HG9ESG	Penguin Chick	1346889600	5	This will be the bottle that you grab from the...	3
4	#oc-R12KPBODL2B5ZD	B007OSBEV0	Christopher P. Presta	1348617600	1	I didnt like this coffee. Instead of telling y...	2

```
In [5]: display[display['UserId']=='AZY10LLTJ71NX']
```

```
Out[5]:
```

	UserId	ProductId	ProfileName	Time	Score	Text	COUNT(*)
80638	AZY10LLTJ71NX	B001ATMQK2	undertheshrine "undertheshrine"	1296691200	5	I bought this 6 pack because for the price tha...	5

```
In [6]: display['COUNT(*)'].sum()
```

```
Out[6]: 393063
```

[2] Exploratory Data Analysis

[2.1] Data Cleaning: Deduplication

It is observed (as shown in the table below) that the reviews data had many duplicate entries. Hence it was necessary to remove duplicates in order to get unbiased results for the analysis of the data. Following is an example:

```
In [7]: display= pd.read_sql_query("""  
SELECT *  
FROM Reviews  
WHERE Score != 3 AND UserId="AR5J8UI46CURR"  
ORDER BY ProductID  
""", con)  
display.head()
```

Out[7]:

	Id	ProductId	UserId	ProfileName	HelpfulnessNumerator	HelpfulnessDenominator
0	78445	B000HDL1RQ	AR5J8UI46CURR	Geetha Krishnan	2	
1	138317	B000HDOPYC	AR5J8UI46CURR	Geetha Krishnan	2	
2	138277	B000HDOPYM	AR5J8UI46CURR	Geetha Krishnan	2	
3	73791	B000HDOPZG	AR5J8UI46CURR	Geetha Krishnan	2	
4	155049	B000PAQ75C	AR5J8UI46CURR	Geetha Krishnan	2	

As it can be seen above that same user has multiple reviews with same values for HelpfulnessNumerator, HelpfulnessDenominator, Score, Time, Summary and Text and on doing analysis it was found that

ProductId=B000HDOPZG was Loacker Quadratini Vanilla Wafer Cookies, 8.82-Ounce Packages (Pack of 8)

ProductId=B000HDL1RQ was Loacker Quadratini Lemon Wafer Cookies, 8.82-Ounce Packages (Pack of 8) and so on

It was inferred after analysis that reviews with same parameters other than ProductId belonged to the same product just having different flavour or quantity. Hence in order to reduce redundancy it was decided to eliminate the rows having same parameters.

The method used for the same was that we first sort the data according to ProductId and then just keep the first similar product review and delete the others. for eg. in the above just the review for ProductId=B000HDL1RQ remains. This method ensures that there is only one representative for each product and deduplication without sorting would lead to possibility of different representatives still existing for the same product.

```
In [8]: #Sorting data according to ProductId in ascending order
sorted_data=filtered_data.sort_values('ProductId', axis=0, ascending=True, inplace=False, kind='quicksort', na_position='last')
```

```
In [9]: #Deduplication of entries
final=sorted_data.drop_duplicates(subset={"UserId", "ProfileName", "Time", "Text"}, keep='first', inplace=False)
final.shape
```

```
Out[9]: (46072, 10)
```

```
In [10]: #Checking to see how much % of data still remains
(final['Id'].size*1.0)/(filtered_data['Id'].size*1.0)*100
```

```
Out[10]: 92.144
```

Observation:- It was also seen that in two rows given below the value of HelpfulnessNumerator is greater than HelpfulnessDenominator which is not practically possible hence these two rows too are removed from calculations

```
In [11]: display= pd.read_sql_query("""
SELECT *
FROM Reviews
WHERE Score != 3 AND Id=44737 OR Id=64422
ORDER BY ProductID
""", con)

display.head()
```

```
Out[11]:
```

	Id	ProductId	UserId	ProfileName	HelpfulnessNumerator	HelpfulnessDenominator
--	----	-----------	--------	-------------	----------------------	------------------------

0	64422	B000MIDROQ	A161DK06JJMCYF	J. E. Stephens "Jeanne"	3	
1	44737	B001EQ55RW	A2V0I904FH7ABY	Ram	3	



```
In [12]: final=final[final.HelpfulnessNumerator<=final.HelpfulnessDenominator]
```

```
In [13]: #Before starting the next phase of preprocessing lets see the number of entries left
print(final.shape)

#How many positive and negative reviews are present in our dataset?
final['Score'].value_counts()

(46071, 10)
```

```
Out[13]: 1    38479
0     7592
Name: Score, dtype: int64
```

[3] Preprocessing

[3.1]. Preprocessing Review Text

Now that we have finished deduplication our data requires some preprocessing before we go on further with analysis and making the prediction model.

Hence in the Preprocessing phase we do the following in the order below:-

1. Begin by removing the html tags
2. Remove any punctuations or limited set of special characters like , or . or # etc.
3. Check if the word is made up of english letters and is not alpha-numeric
4. Check to see if the length of the word is greater than 2 (as it was researched that there is no adjective in 2-letters)
5. Convert the word to lowercase
6. Remove Stopwords
7. Finally Snowball Stemming the word (it was observed to be better than Porter Stemming)

After which we collect the words used to describe positive and negative reviews


```
In [14]: # printing some random reviews
sent_0 = final['Text'].values[0]
print(sent_0)
print("="*50)

sent_1000 = final['Text'].values[1000]
print(sent_1000)
print("="*50)

sent_1500 = final['Text'].values[1500]
print(sent_1500)
print("="*50)

sent_4900 = final['Text'].values[4900]
print(sent_4900)
print("="*50)
```

My dogs loves this chicken but its a product from China, so we wont be buying it anymore. Its very hard to find any chicken products made in the USA but they are out there, but this one isnt. Its too bad too because its a good product but I wont take any chances till they know what is going on with the china imports.

=====

this is yummy, easy and unusual. it makes a quick, delicious pie, crisp or cobbler. home made is better, but a heck of a lot more work. this is great to have on hand for last minute dessert needs where you really want to impress with your creativity in cooking! recommended.

=====

Great flavor, low in calories, high in nutrients, high in protein! Usually protein powders are high priced and high in calories, this one is a great bargain and tastes great, I highly recommend for the lady gym rats, probably not "macho" enough for guys since it is soy based...

=====

For those of you wanting a high-quality, yet affordable green tea, you should definitely give this one a try. Let me first start by saying that everyone is looking for something different for their ideal tea, and I will attempt to briefly highlight what makes this tea attractive to a wide range of tea drinkers (whether you are a beginner or long-time tea enthusiast). I have gone through over 12 boxes of this tea myself, and highly recommend it for the following reasons:

-Quality: First, this tea offers a smooth quality without any harsh or bitter after tones, which often turns people off from many green teas. I've found my ideal brewing time to be between 3-5 minutes, giving you a light but flavorful cup of tea. However, if you get distracted or forget about your tea and leave it brewing for 20+ minutes like I sometimes do, the quality of this tea is such that you still get a smooth but deeper flavor without the bad after taste. The leaves themselves are whole leaves (not powdered stems, branches, etc commonly found in other brands), and the high-quality nylon bags also include chunks of tropical fruit and other discernible ingredients. This isn't your standard cheap paper bag with a mix of unknown ingredients that have been ground down to a fine powder, leaving you to wonder what it is you are actually drinking.

-Taste: This tea offers notes of real pineapple and other hints of tropical fruits, yet isn't sweet or artificially flavored. You have the foundation of a high-quality young hyson green tea for those true "tea flavor" lovers, yet the subtle hints of fruit make this a truly unique tea that I believe most will enjoy. If you want it sweet, you can add sugar, splenda, etc but this really is not necessary as this tea offers an inherent warmth of flavor through its ingredients.

-Price: This tea offers an excellent product at an exceptional price (especially when purchased at the prices Amazon offers). Compared to other brands which I believe to be of similar quality (Mighty Leaf, Rishi, Two Leaves, etc.), Revolution offers a superior product at an outstanding price. I have been purchasing this through Amazon for less per box than I would be paying at my local grocery store for Lipton, etc.

Overall, this is a wonderful tea that is comparable, and even better than, other teas that are priced much higher. It offers a well-balanced cup of green tea that I believe many will enjoy. In terms of taste, quality, and price, I would argue you won't find a better combination than that offered by Revolution's Tropical Green Tea.

=====

```
In [15]: # remove urls from text python: https://stackoverflow.com/a/40823105/4084039
sent_0 = re.sub(r"http\S+", "", sent_0)
sent_1000 = re.sub(r"http\S+", "", sent_1000)
sent_150 = re.sub(r"http\S+", "", sent_1500)
sent_4900 = re.sub(r"http\S+", "", sent_4900)

print(sent_0)
```

My dogs loves this chicken but its a product from China, so we wont be buying it anymore. Its very hard to find any chicken products made in the USA but t hey are out there, but this one isnt. Its too bad too because its a good pro duct but I wont take any chances till they know what is going on with the chi na imports.

```
In [16]: # https://stackoverflow.com/questions/16206380/python-beautifulsoup-how-to-remove-all-tags-from-an-element
from bs4 import BeautifulSoup

soup = BeautifulSoup(sent_0, 'lxml')
text = soup.get_text()
print(text)
print("="*50)

soup = BeautifulSoup(sent_1000, 'lxml')
text = soup.get_text()
print(text)
print("="*50)

soup = BeautifulSoup(sent_1500, 'lxml')
text = soup.get_text()
print(text)
print("="*50)

soup = BeautifulSoup(sent_4900, 'lxml')
text = soup.get_text()
print(text)
```

My dogs loves this chicken but its a product from China, so we wont be buying it anymore. Its very hard to find any chicken products made in the USA but they are out there, but this one isnt. Its too bad too because its a good product but I wont take any chances till they know what is going on with the china imports.

=====

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```
In [17]: # 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 [18]: sent_1500 = decontracted(sent_1500)
print(sent_1500)
print("="*50)
```

Great flavor, low in calories, high in nutrients, high in protein! Usually protein powders are high priced and high in calories, this one is a great bargain and tastes great, I highly recommend for the lady gym rats, probably not "macho" enough for guys since it is soy based...

=====

```
In [19]: #remove words with numbers python: https://stackoverflow.com/a/18082370/4084039
sent_0 = re.sub(r"\S*\d\S*", "", sent_0).strip()
print(sent_0)
```

My dogs loves this chicken but its a product from China, so we wont be buying it anymore. Its very hard to find any chicken products made in the USA but they are out there, but this one isnt. Its too bad too because its a good product but I wont take any chances till they know what is going on with the china imports.

```
In [20]: #remove spacial character: https://stackoverflow.com/a/5843547/4084039
sent_1500 = re.sub('[^A-Za-z0-9]+', ' ', sent_1500)
print(sent_1500)
```

Great flavor low in calories high in nutrients high in protein Usually protein powders are high priced and high in calories this one is a great bargain and tastes great I highly recommend for the lady gym rats probably not macho enough for guys since it is soy based

```
In [21]: # https://gist.github.com/sebleier/554280
# we are removing the words from the stop words list: 'no', 'nor', 'not'
# <br /><br /> ==> after the above steps, we are getting "br br"
# we are including them into stop words list
# instead of <br /> if we have <br/> these tags would have revmoved in the 1st
step

stopwords= set(['br', 'the', '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', 'it
self', 'they', 'them', 'their', \
    'theirs', 'themselves', 'what', 'which', 'who', 'whom', 'this', 't
hat', "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', 'becau
se', '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', 'a
ll', 'any', 'both', 'each', 'few', 'more', \
    'most', 'other', 'some', 'such', 'only', 'own', 'same', 'so', 'tha
n', 'too', 'very', \
    's', 't', 'can', 'will', 'just', 'don', "don't", 'should', "shoul
d'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", 'm
a', 'mightn', "mightn't", 'mustn', \
    "mustn't", 'needn', "needn't", 'shan', "shan't", 'shouldn', "shoul
dn't", 'wasn', "wasn't", 'weren', "weren't", \
    'won', "won't", 'wouldn', "wouldn't"])
```

```
In [22]: # Combining all the above students
from tqdm import tqdm
preprocessed_reviews = []
# tqdm is for printing the status bar
for sentence in tqdm(final['Text'].values):
    sentence = re.sub(r"http\S+", "", sentence)
    sentence = BeautifulSoup(sentence, 'lxml').get_text()
    sentence = decontracted(sentence)
    sentence = re.sub("\S*\d\S*", "", sentence).strip()
    sentence = re.sub('[^A-Za-z]+', ' ', sentence)
    # https://gist.github.com/sebleier/554280
    sentence = ' '.join(e.lower() for e in sentence.split() if e.lower() not in
n stopwords)
    preprocessed_reviews.append(sentence.strip())
```

```
100% |██████████████████████████████| 46071/46071 [00:24<00:00, 1918.67it/  
s]
```

Splitting into train and test

```
In [29]: from sklearn.model_selection import train_test_split
Score=final.Score
preprocessed_reviews=np.array(preprocessed_reviews)
X_train, X_test, y_train, y_test = train_test_split(preprocessed_reviews, Score,
test_size=0.30,random_state=0)
```

```
In [30]: print(X_train.shape, y_train.shape)
print(X_test.shape, y_test.shape)

(32249,) (32249,)
(13822,) (13822,)
```

```
In [31]: tokenizer = Tokenizer(num_words=5000)
tokenizer.fit_on_texts(X_train)
X_train = tokenizer.texts_to_sequences(X_train)
```

```
In [39]: X_test = tokenizer.texts_to_sequences(X_test)
```

```
In [32]: print(X_train[45])
print(type(X_train[45]))
print(len(X_train[45]))

[3, 1, 2450, 423, 732, 62, 432, 613, 455, 164, 2, 11, 289, 39, 259, 1415, 23
9, 259, 6, 148, 130, 476, 14, 1627, 7, 56]
<class 'list'>
26
```



```
In [41]: max_review_length = 500
X_train = sequence.pad_sequences(X_train, maxlen=max_review_length)
X_test = sequence.pad_sequences(X_test, maxlen=max_review_length)
print(X_train.shape)
print(X_train[45])
```

```
(32249, 500)
```

```
[ 0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  0  0
  0  0  0  0  0  0  0  0  0  0  0  0  3  1
2450 423 732 62 432 613 455 164 2 11 289 39 259 1415
239 259 6 148 130 476 14 1627 7 56]
```

Model 1

```
In [42]: embedding_vecor_length = 32
model = Sequential()
model.add(Embedding(5000, embedding_vecor_length, input_length=max_review_length))
model.add(LSTM(100))
model.add(Dropout(0.2))
model.add(Dense(1, activation='sigmoid'))
model.compile(loss='binary_crossentropy', optimizer='adam', metrics=['accuracy'])
print(model.summary())
```

Layer (type)	Output Shape	Param #
=====		
embedding_2 (Embedding)	(None, 500, 32)	160000
=====		
lstm_2 (LSTM)	(None, 100)	53200
=====		
dropout_2 (Dropout)	(None, 100)	0
=====		
dense_2 (Dense)	(None, 1)	101
=====		
Total params: 213,301		
Trainable params: 213,301		
Non-trainable params: 0		
=====		
None		

```
In [44]: model.fit(X_train, y_train, nb_epoch=5, batch_size=64)
          scores = model.evaluate(X_test, y_test, verbose=1)
          print("Accuracy: %.2f%%" % (scores[1]*100))
```

Epoch 1/5

13056/32249 [=====>.....] - ETA: 4:56 - loss: 0.4928 - acc: 0.796 - ETA: 5:03 - loss: 0.4919 - acc: 0.796 - ETA: 5:06 - loss: 0.4597 - acc: 0.817 - ETA: 5:05 - loss: 0.4557 - acc: 0.820 - ETA: 5:04 - loss: 0.4450 - acc: 0.828 - ETA: 4:58 - loss: 0.4535 - acc: 0.820 - ETA: 4:55 - loss: 0.4554 - acc: 0.819 - ETA: 4:53 - loss: 0.4667 - acc: 0.810 - ETA: 4:50 - loss: 0.4752 - acc: 0.803 - ETA: 4:48 - loss: 0.4636 - acc: 0.812 - ETA: 4:46 - loss: 0.4676 - acc: 0.809 - ETA: 4:44 - loss: 0.4642 - acc: 0.809 - ETA: 4:43 - loss: 0.4682 - acc: 0.806 - ETA: 4:41 - loss: 0.4623 - acc: 0.810 - ETA: 4:40 - loss: 0.4590 - acc: 0.811 - ETA: 4:38 - loss: 0.4585 - acc: 0.811 - ETA: 4:35 - loss: 0.4575 - acc: 0.810 - ETA: 4:32 - loss: 0.4555 - acc: 0.810 - ETA: 4:32 - loss: 0.4481 - acc: 0.815 - ETA: 4:31 - loss: 0.4450 - acc: 0.817 - ETA: 4:31 - loss: 0.4406 - acc: 0.819 - ETA: 4:30 - loss: 0.4417 - acc: 0.818 - ETA: 4:29 - loss: 0.4388 - acc: 0.819 - ETA: 4:29 - loss: 0.4411 - acc: 0.817 - ETA: 4:28 - loss: 0.4394 - acc: 0.818 - ETA: 4:28 - loss: 0.4370 - acc: 0.819 - ETA: 4:27 - loss: 0.4360 - acc: 0.819 - ETA: 4:27 - loss: 0.4348 - acc: 0.819 - ETA: 4:26 - loss: 0.4338 - acc: 0.819 - ETA: 4:26 - loss: 0.4309 - acc: 0.819 - ETA: 4:27 - loss: 0.4296 - acc: 0.821 - ETA: 4:27 - loss: 0.4282 - acc: 0.820 - ETA: 4:27 - loss: 0.4288 - acc: 0.820 - ETA: 4:27 - loss: 0.4294 - acc: 0.818 - ETA: 4:26 - loss: 0.4287 - acc: 0.819 - ETA: 4:25 - loss: 0.4248 - acc: 0.822 - ETA: 4:25 - loss: 0.4215 - acc: 0.823 - ETA: 4:24 - loss: 0.4176 - acc: 0.825 - ETA: 4:24 - loss: 0.4158 - acc: 0.825 - ETA: 4:23 - loss: 0.4174 - acc: 0.824 - ETA: 4:22 - loss: 0.4184 - acc: 0.822 - ETA: 4:22 - loss: 0.4168 - acc: 0.822 - ETA: 4:21 - loss: 0.4163 - acc: 0.822 - ETA: 4:21 - loss: 0.4147 - acc: 0.823 - ETA: 4:20 - loss: 0.4136 - acc: 0.824 - ETA: 4:20 - loss: 0.4116 - acc: 0.826 - ETA: 4:19 - loss: 0.4094 - acc: 0.827 - ETA: 4:18 - loss: 0.4087 - acc: 0.828 - ETA: 4:18 - loss: 0.4077 - acc: 0.829 - ETA: 4:17 - loss: 0.4058 - acc: 0.830 - ETA: 4:17 - loss: 0.4016 - acc: 0.831 - ETA: 4:17 - loss: 0.3989 - acc: 0.832 - ETA: 4:17 - loss: 0.3993 - acc: 0.832 - ETA: 4:16 - loss: 0.3977 - acc: 0.832 - ETA: 4:16 - loss: 0.3950 - acc: 0.834 - ETA: 4:15 - loss: 0.3929 - acc: 0.835 - ETA: 4:15 - loss: 0.3894 - acc: 0.836 - ETA: 4:15 - loss: 0.3888 - acc: 0.836 - ETA: 4:14 - loss: 0.3903 - acc: 0.835 - ETA: 4:13 - loss: 0.3895 - acc: 0.836 - ETA: 4:13 - loss: 0.3882 - acc: 0.836 - ETA: 4:13 - loss: 0.3869 - acc: 0.837 - ETA: 4:12 - loss: 0.3870 - acc: 0.837 - ETA: 4:11 - loss: 0.3868 - acc: 0.837 - ETA: 4:11 - loss: 0.3848 - acc: 0.837 - ETA: 4:10 - loss: 0.3847 - acc: 0.837 - ETA: 4:09 - loss: 0.3835 - acc: 0.838 - ETA: 4:09 - loss: 0.3813 - acc: 0.839 - ETA: 4:08 - loss: 0.3799 - acc: 0.840 - ETA: 4:08 - loss: 0.3800 - acc: 0.840 - ETA: 4:07 - loss: 0.3771 - acc: 0.841 - ETA: 4:06 - loss: 0.3765 - acc: 0.842 - ETA: 4:06 - loss: 0.3763 - acc: 0.841 - ETA: 4:05 - loss: 0.3739 - acc: 0.842 - ETA: 4:05 - loss: 0.3717 - acc: 0.843 - ETA: 4:04 - loss: 0.3701 - acc: 0.844 - ETA: 4:04 - loss: 0.3683 - acc: 0.845 - ETA: 4:03 - loss: 0.3674 - acc: 0.845 - ETA: 4:02 - loss: 0.3656 - acc: 0.846 - ETA: 4:02 - loss: 0.3643 - acc: 0.847 - ETA: 4:01 - loss: 0.3638 - acc: 0.847 - ETA: 4:01 - loss: 0.3628 - acc: 0.847 - ETA: 4:00 - loss: 0.3620 - acc: 0.847 - ETA: 3:59 - loss: 0.3615 - acc: 0.847 - ETA: 3:59 - loss: 0.3595 - acc: 0.848 - ETA: 3:58 - loss: 0.3587 - acc: 0.849 - ETA: 3:58 - loss: 0.3570 - acc: 0.850 - ETA: 3:58 - loss: 0.3556 - acc: 0.850 - ETA: 3:57 - loss: 0.3563 - acc: 0.850 - ETA: 3:57 - loss: 0.3564 - acc: 0.850 - ETA: 3:56 - loss: 0.3549 - acc: 0.851 - ETA: 3:55 - loss: 0.3556 - acc: 0.850 - ETA: 3:55 - loss: 0.3550 - acc: 0.851 - ETA: 3:54 - loss: 0.3540 - acc: 0.851 - ETA: 3:54 - loss: 0.3529 - acc: 0.852 - ETA: 3:53 - loss: 0.3518 - acc: 0.852 - ETA: 3:52 - loss: 0.3512 - acc: 0.852 - ETA: 3:52 - loss: 0.3510 - acc: 0.853 - ETA: 3:51 - loss: 0.3507 - acc: 0.853 - ETA: 3:50 - loss: 0.3506 - acc: 0.852 - ETA: 3:49 - loss: 0.3489 - acc: 0.853 - ETA: 3:49 - loss: 0.3483 - acc: 0.853 - ETA: 3:48 - loss: 0.3473 - acc: 0.854 - ETA: 3:47 - loss: 0.3473 - acc: 0.854 - ETA: 3:47 - loss: 0.3470 - acc: 0.854 - ETA: 3:46 - loss: 0.3468 - acc: 0.854 - ETA: 3:46 - loss: 0.3455 - acc: 0.854 - ET

A: 3:45 - loss: 0.3449 - acc: 0.855 - ETA: 3:45 - loss: 0.3446 - acc: 0.855 -
ETA: 3:44 - loss: 0.3441 - acc: 0.855 - ETA: 3:43 - loss: 0.3446 - acc: 0.855
- ETA: 3:43 - loss: 0.3437 - acc: 0.855 - ETA: 3:42 - loss: 0.3437 - acc: 0.8
55 - ETA: 3:42 - loss: 0.3437 - acc: 0.855 - ETA: 3:42 - loss: 0.3432 - acc:
0.856 - ETA: 3:41 - loss: 0.3427 - acc: 0.856 - ETA: 3:41 - loss: 0.3413 - ac
c: 0.857 - ETA: 3:40 - loss: 0.3406 - acc: 0.857 - ETA: 3:40 - loss: 0.3397 -
acc: 0.858 - ETA: 3:39 - loss: 0.3392 - acc: 0.858 - ETA: 3:39 - loss: 0.3380
- acc: 0.858 - ETA: 3:38 - loss: 0.3372 - acc: 0.859 - ETA: 3:38 - loss: 0.33
65 - acc: 0.859 - ETA: 3:37 - loss: 0.3351 - acc: 0.859 - ETA: 3:37 - loss:
0.3345 - acc: 0.860 - ETA: 3:36 - loss: 0.3343 - acc: 0.860 - ETA: 3:36 - los
s: 0.3342 - acc: 0.860 - ETA: 3:35 - loss: 0.3331 - acc: 0.861 - ETA: 3:35 -
loss: 0.3327 - acc: 0.861 - ETA: 3:34 - loss: 0.3319 - acc: 0.861 - ETA: 3:34
- loss: 0.3309 - acc: 0.862 - ETA: 3:33 - loss: 0.3303 - acc: 0.862 - ETA: 3:
33 - loss: 0.3302 - acc: 0.862 - ETA: 3:32 - loss: 0.3294 - acc: 0.862 - ETA:
3:32 - loss: 0.3283 - acc: 0.863 - ETA: 3:31 - loss: 0.3286 - acc: 0.863 - ET
A: 3:30 - loss: 0.3276 - acc: 0.863 - ETA: 3:30 - loss: 0.3263 - acc: 0.864 -
ETA: 3:29 - loss: 0.3254 - acc: 0.864 - ETA: 3:29 - loss: 0.3251 - acc: 0.864
- ETA: 3:28 - loss: 0.3250 - acc: 0.864 - ETA: 3:28 - loss: 0.3238 - acc: 0.8
65 - ETA: 3:27 - loss: 0.3230 - acc: 0.865 - ETA: 3:26 - loss: 0.3230 - acc:
0.865 - ETA: 3:26 - loss: 0.3222 - acc: 0.865 - ETA: 3:25 - loss: 0.3208 - ac
c: 0.866 - ETA: 3:25 - loss: 0.3200 - acc: 0.866 - ETA: 3:24 - loss: 0.3190 -
acc: 0.867 - ETA: 3:24 - loss: 0.3183 - acc: 0.867 - ETA: 3:23 - loss: 0.3189
- acc: 0.867 - ETA: 3:22 - loss: 0.3189 - acc: 0.867 - ETA: 3:22 - loss: 0.31
84 - acc: 0.867 - ETA: 3:21 - loss: 0.3179 - acc: 0.867 - ETA: 3:21 - loss:
0.3178 - acc: 0.867 - ETA: 3:20 - loss: 0.3178 - acc: 0.867 - ETA: 3:20 - los
s: 0.3175 - acc: 0.867 - ETA: 3:19 - loss: 0.3173 - acc: 0.868 - ETA: 3:18 -
loss: 0.3171 - acc: 0.868 - ETA: 3:18 - loss: 0.3171 - acc: 0.868 - ETA: 3:17
- loss: 0.3165 - acc: 0.868 - ETA: 3:17 - loss: 0.3160 - acc: 0.868 - ETA: 3:
16 - loss: 0.3158 - acc: 0.868 - ETA: 3:16 - loss: 0.3159 - acc: 0.868 - ETA:
3:15 - loss: 0.3150 - acc: 0.869 - ETA: 3:14 - loss: 0.3147 - acc: 0.869 - ET
A: 3:14 - loss: 0.3145 - acc: 0.869 - ETA: 3:13 - loss: 0.3138 - acc: 0.869 -
ETA: 3:13 - loss: 0.3132 - acc: 0.869 - ETA: 3:12 - loss: 0.3125 - acc: 0.870
- ETA: 3:12 - loss: 0.3116 - acc: 0.870 - ETA: 3:11 - loss: 0.3109 - acc: 0.8
71 - ETA: 3:11 - loss: 0.3099 - acc: 0.871 - ETA: 3:10 - loss: 0.3099 - acc:
0.871 - ETA: 3:10 - loss: 0.3094 - acc: 0.871 - ETA: 3:09 - loss: 0.3089 - ac
c: 0.872 - ETA: 3:09 - loss: 0.3087 - acc: 0.872 - ETA: 3:08 - loss: 0.3084 -
acc: 0.872 - ETA: 3:07 - loss: 0.3081 - acc: 0.872 - ETA: 3:07 - loss: 0.3073
- acc: 0.872 - ETA: 3:06 - loss: 0.3076 - acc: 0.872 - ETA: 3:06 - loss: 0.30
73 - acc: 0.872 - ETA: 3:05 - loss: 0.3080 - acc: 0.872 - ETA: 3:04 - loss:
0.3076 - acc: 0.873 - ETA: 3:04 - loss: 0.3079 - acc: 0.872 - ETA: 3:03 - los
s: 0.3073 - acc: 0.873 - ETA: 3:02 - loss: 0.3068 - acc: 0.873 - ETA: 3:02 -
loss: 0.3064 - acc: 0.873 - ETA: 3:01 - loss: 0.3062 - acc: 0.873 - ETA: 3:00
- loss: 0.3062 - acc: 0.873 - ETA: 3:00 - loss: 0.3053 - acc: 0.874 - ETA: 2:
59 - loss: 0.3052 - acc: 0.874 - ETA: 2:59 - loss: 0.3046 - acc: 0.874 - ETA:
2:58 - loss: 0.3043 - acc: 0.874 - ETA: 2:58 - loss: 0.3043 - acc: 0.874 - ET
A: 2:57 - loss: 0.3037 - acc: 0.874 - ETA: 2:57 - loss: 0.3032 - acc: 0.874 -
ETA: 2:56 - loss: 0.3029 - acc: 0.874 - ETA: 2:56 - loss: 0.3028 - acc: 0.874
- ETA: 2:55 - loss: 0.3024 - acc: 0.875 - ETA: 2:55 - loss: 0.3030 - acc: 0.8
74 - ETA: 2:54 - loss: 0.3020 - acc: 0.875 - ETA: 2:53 - loss: 0.3014 - acc:
0.875 - ETA: 2:53 - loss: 0.3008 - acc: 0.875 - ETA: 2:52 - loss: 0.3000 - ac
c: 0.876

26176/32249 [=====>.....] - ETA: 2:52 - loss: 0.2994 - ac
c: 0.876 - ETA: 2:51 - loss: 0.2990 - acc: 0.876 - ETA: 2:51 - loss: 0.2987 -
acc: 0.876 - ETA: 2:50 - loss: 0.2984 - acc: 0.876 - ETA: 2:49 - loss: 0.2984
- acc: 0.876 - ETA: 2:49 - loss: 0.2982 - acc: 0.876 - ETA: 2:48 - loss: 0.29
78 - acc: 0.876 - ETA: 2:48 - loss: 0.2973 - acc: 0.877 - ETA: 2:47 - loss:

0.2965 - acc: 0.877 - ETA: 2:46 - loss: 0.2959 - acc: 0.877 - ETA: 2:46 - loss: 0.2955 - acc: 0.877 - ETA: 2:45 - loss: 0.2957 - acc: 0.877 - ETA: 2:45 - loss: 0.2958 - acc: 0.877 - ETA: 2:44 - loss: 0.2955 - acc: 0.877 - ETA: 2:43 - loss: 0.2953 - acc: 0.877 - ETA: 2:43 - loss: 0.2956 - acc: 0.877 - ETA: 2:42 - loss: 0.2956 - acc: 0.878 - ETA: 2:42 - loss: 0.2956 - acc: 0.878 - ETA: 2:41 - loss: 0.2956 - acc: 0.877 - ETA: 2:41 - loss: 0.2952 - acc: 0.878 - ETA: 2:40 - loss: 0.2949 - acc: 0.878 - ETA: 2:40 - loss: 0.2945 - acc: 0.878 - ETA: 2:39 - loss: 0.2943 - acc: 0.878 - ETA: 2:38 - loss: 0.2938 - acc: 0.878 - ETA: 2:38 - loss: 0.2935 - acc: 0.879 - ETA: 2:37 - loss: 0.2934 - acc: 0.879 - ETA: 2:36 - loss: 0.2931 - acc: 0.879 - ETA: 2:36 - loss: 0.2929 - acc: 0.879 - ETA: 2:35 - loss: 0.2931 - acc: 0.879 - ETA: 2:35 - loss: 0.2926 - acc: 0.879 - ETA: 2:34 - loss: 0.2922 - acc: 0.879 - ETA: 2:34 - loss: 0.2916 - acc: 0.879 - ETA: 2:33 - loss: 0.2916 - acc: 0.879 - ETA: 2:32 - loss: 0.2910 - acc: 0.879 - ETA: 2:32 - loss: 0.2909 - acc: 0.880 - ETA: 2:31 - loss: 0.2907 - acc: 0.880 - ETA: 2:31 - loss: 0.2902 - acc: 0.880 - ETA: 2:30 - loss: 0.2900 - acc: 0.880 - ETA: 2:30 - loss: 0.2895 - acc: 0.880 - ETA: 2:29 - loss: 0.2893 - acc: 0.880 - ETA: 2:28 - loss: 0.2892 - acc: 0.880 - ETA: 2:28 - loss: 0.2888 - acc: 0.880 - ETA: 2:27 - loss: 0.2888 - acc: 0.880 - ETA: 2:27 - loss: 0.2884 - acc: 0.881 - ETA: 2:26 - loss: 0.2884 - acc: 0.881 - ETA: 2:26 - loss: 0.2880 - acc: 0.881 - ETA: 2:25 - loss: 0.2876 - acc: 0.881 - ETA: 2:25 - loss: 0.2871 - acc: 0.881 - ETA: 2:24 - loss: 0.2874 - acc: 0.881 - ETA: 2:23 - loss: 0.2870 - acc: 0.881 - ETA: 2:23 - loss: 0.2870 - acc: 0.881 - ETA: 2:22 - loss: 0.2864 - acc: 0.881 - ETA: 2:22 - loss: 0.2863 - acc: 0.882 - ETA: 2:21 - loss: 0.2859 - acc: 0.882 - ETA: 2:21 - loss: 0.2856 - acc: 0.882 - ETA: 2:20 - loss: 0.2853 - acc: 0.882 - ETA: 2:20 - loss: 0.2852 - acc: 0.882 - ETA: 2:19 - loss: 0.2849 - acc: 0.882 - ETA: 2:18 - loss: 0.2851 - acc: 0.882 - ETA: 2:18 - loss: 0.2847 - acc: 0.882 - ETA: 2:17 - loss: 0.2845 - acc: 0.882 - ETA: 2:17 - loss: 0.2841 - acc: 0.883 - ETA: 2:16 - loss: 0.2840 - acc: 0.883 - ETA: 2:15 - loss: 0.2839 - acc: 0.883 - ETA: 2:15 - loss: 0.2841 - acc: 0.883 - ETA: 2:14 - loss: 0.2843 - acc: 0.883 - ETA: 2:14 - loss: 0.2839 - acc: 0.883 - ETA: 2:13 - loss: 0.2836 - acc: 0.883 - ETA: 2:12 - loss: 0.2830 - acc: 0.883 - ETA: 2:12 - loss: 0.2831 - acc: 0.884 - ETA: 2:11 - loss: 0.2826 - acc: 0.884 - ETA: 2:11 - loss: 0.2820 - acc: 0.884 - ETA: 2:10 - loss: 0.2820 - acc: 0.884 - ETA: 2:09 - loss: 0.2815 - acc: 0.884 - ETA: 2:09 - loss: 0.2812 - acc: 0.884 - ETA: 2:08 - loss: 0.2809 - acc: 0.885 - ETA: 2:08 - loss: 0.2805 - acc: 0.885 - ETA: 2:07 - loss: 0.2802 - acc: 0.885 - ETA: 2:07 - loss: 0.2798 - acc: 0.885 - ETA: 2:06 - loss: 0.2796 - acc: 0.885 - ETA: 2:06 - loss: 0.2794 - acc: 0.885 - ETA: 2:05 - loss: 0.2792 - acc: 0.885 - ETA: 2:04 - loss: 0.2792 - acc: 0.885 - ETA: 2:04 - loss: 0.2792 - acc: 0.885 - ETA: 2:03 - loss: 0.2791 - acc: 0.885 - ETA: 2:03 - loss: 0.2788 - acc: 0.885 - ETA: 2:02 - loss: 0.2788 - acc: 0.885 - ETA: 2:02 - loss: 0.2783 - acc: 0.885 - ETA: 2:01 - loss: 0.2781 - acc: 0.886 - ETA: 2:00 - loss: 0.2780 - acc: 0.886 - ETA: 2:00 - loss: 0.2785 - acc: 0.886 - ETA: 1:59 - loss: 0.2786 - acc: 0.886 - ETA: 1:59 - loss: 0.2784 - acc: 0.886 - ETA: 1:58 - loss: 0.2779 - acc: 0.886 - ETA: 1:58 - loss: 0.2781 - acc: 0.886 - ETA: 1:57 - loss: 0.2779 - acc: 0.886 - ETA: 1:56 - loss: 0.2776 - acc: 0.886 - ETA: 1:56 - loss: 0.2774 - acc: 0.886 - ETA: 1:55 - loss: 0.2776 - acc: 0.886 - ETA: 1:55 - loss: 0.2776 - acc: 0.886 - ETA: 1:54 - loss: 0.2775 - acc: 0.886 - ETA: 1:54 - loss: 0.2772 - acc: 0.886 - ETA: 1:53 - loss: 0.2768 - acc: 0.886 - ETA: 1:52 - loss: 0.2768 - acc: 0.887 - ETA: 1:52 - loss: 0.2764 - acc: 0.887 - ETA: 1:51 - loss: 0.2767 - acc: 0.886 - ETA: 1:51 - loss: 0.2766 - acc: 0.886 - ETA: 1:50 - loss: 0.2762 - acc: 0.887 - ETA: 1:49 - loss: 0.2759 - acc: 0.887 - ETA: 1:49 - loss: 0.2758 - acc: 0.887 - ETA: 1:48 - loss: 0.2755 - acc: 0.887 - ETA: 1:48 - loss: 0.2754 - acc: 0.887 - ETA: 1:47 - loss: 0.2749 - acc: 0.887 - ETA: 1:47 - loss: 0.2746 - acc: 0.887 - ETA: 1:46 - loss: 0.2740 - acc: 0.888 - ETA: 1:45 - loss: 0.2738 - acc: 0.888 - ETA: 1:45 - loss: 0.2736 - acc: 0.888 - ETA: 1:44 - loss: 0.2734 - acc: 0.888 - ETA: 1:44 - loss: 0.2733 -

acc: 0.888 - ETA: 1:43 - loss: 0.2735 - acc: 0.888 - ETA: 1:43 - loss: 0.2733
- acc: 0.888 - ETA: 1:42 - loss: 0.2731 - acc: 0.888 - ETA: 1:41 - loss: 0.2726 - acc: 0.888 - ETA: 1:41 - loss: 0.2725 - acc: 0.888 - ETA: 1:40 - loss: 0.2724 - acc: 0.888 - ETA: 1:40 - loss: 0.2727 - acc: 0.888 - ETA: 1:39 - loss: 0.2725 - acc: 0.888 - ETA: 1:39 - loss: 0.2725 - acc: 0.888 - ETA: 1:38 - loss: 0.2723 - acc: 0.889 - ETA: 1:37 - loss: 0.2721 - acc: 0.889 - ETA: 1:37 - loss: 0.2717 - acc: 0.889 - ETA: 1:36 - loss: 0.2716 - acc: 0.889 - ETA: 1:36 - loss: 0.2713 - acc: 0.889 - ETA: 1:35 - loss: 0.2712 - acc: 0.889 - ETA: 1:35 - loss: 0.2713 - acc: 0.889 - ETA: 1:34 - loss: 0.2709 - acc: 0.889 - ETA: 1:34 - loss: 0.2708 - acc: 0.889 - ETA: 1:33 - loss: 0.2707 - acc: 0.889 - ETA: 1:32 - loss: 0.2707 - acc: 0.889 - ETA: 1:32 - loss: 0.2714 - acc: 0.889 - ETA: 1:31 - loss: 0.2714 - acc: 0.889 - ETA: 1:31 - loss: 0.2711 - acc: 0.889 - ETA: 1:30 - loss: 0.2710 - acc: 0.889 - ETA: 1:29 - loss: 0.2711 - acc: 0.889 - ETA: 1:29 - loss: 0.2712 - acc: 0.889 - ETA: 1:28 - loss: 0.2709 - acc: 0.889 - ETA: 1:28 - loss: 0.2709 - acc: 0.889 - ETA: 1:27 - loss: 0.2707 - acc: 0.889 - ETA: 1:27 - loss: 0.2707 - acc: 0.889 - ETA: 1:26 - loss: 0.2706 - acc: 0.889 - ETA: 1:25 - loss: 0.2705 - acc: 0.889 - ETA: 1:25 - loss: 0.2701 - acc: 0.889 - ETA: 1:24 - loss: 0.2701 - acc: 0.889 - ETA: 1:24 - loss: 0.2699 - acc: 0.889 - ETA: 1:23 - loss: 0.2695 - acc: 0.890 - ETA: 1:22 - loss: 0.2691 - acc: 0.890 - ETA: 1:22 - loss: 0.2690 - acc: 0.890 - ETA: 1:21 - loss: 0.2688 - acc: 0.890 - ETA: 1:21 - loss: 0.2687 - acc: 0.890 - ETA: 1:20 - loss: 0.2685 - acc: 0.890 - ETA: 1:20 - loss: 0.2683 - acc: 0.890 - ETA: 1:19 - loss: 0.2681 - acc: 0.890 - ETA: 1:18 - loss: 0.2679 - acc: 0.891 - ETA: 1:18 - loss: 0.2680 - acc: 0.891 - ETA: 1:17 - loss: 0.2677 - acc: 0.891 - ETA: 1:17 - loss: 0.2673 - acc: 0.891 - ETA: 1:16 - loss: 0.2672 - acc: 0.891 - ETA: 1:16 - loss: 0.2670 - acc: 0.891 - ETA: 1:15 - loss: 0.2669 - acc: 0.891 - ETA: 1:14 - loss: 0.2667 - acc: 0.891 - ETA: 1:14 - loss: 0.2666 - acc: 0.891 - ETA: 1:13 - loss: 0.2664 - acc: 0.891 - ETA: 1:13 - loss: 0.2663 - acc: 0.891 - ETA: 1:12 - loss: 0.2663 - acc: 0.891 - ETA: 1:12 - loss: 0.2660 - acc: 0.891 - ETA: 1:11 - loss: 0.2659 - acc: 0.892 - ETA: 1:10 - loss: 0.2657 - acc: 0.892 - ETA: 1:10 - loss: 0.2655 - acc: 0.892 - ETA: 1:09 - loss: 0.2653 - acc: 0.892 - ETA: 1:09 - loss: 0.2654 - acc: 0.892 - ETA: 1:08 - loss: 0.2651 - acc: 0.892 - ETA: 1:08 - loss: 0.2653 - acc: 0.892 - ETA: 1:07 - loss: 0.2653 - acc: 0.892 - ETA: 1:06 - loss: 0.2651 - acc: 0.892 - ETA: 1:06 - loss: 0.2649 - acc: 0.892 - ETA: 1:05 - loss: 0.2647 - acc: 0.892 - ETA: 1:05 - loss: 0.2646 - acc: 0.892 - ETA: 1:04 - loss: 0.2646 - acc: 0.892 - ETA: 1:04 - loss: 0.2646 - acc: 0.892 - ETA: 1:03 - loss: 0.2645 - acc: 0.892 - ETA: 1:02 - loss: 0.2644 - acc: 0.892 - ETA: 1:02 - loss: 0.2642 - acc: 0.892 - ETA: 1:01 - loss: 0.2639 - acc: 0.892 - ETA: 1:01 - loss: 0.2642 - acc: 0.892 - ETA: 1:00 - loss: 0.2639 - acc: 0.892 - ETA: 59s - loss: 0.2638 - acc: 0.892 - ETA: 59s - loss: 0.2634 - acc: 0.89 - ETA: 58s - loss: 0.2634 - acc: 0.89 - ETA: 58s - loss: 0.2629 - acc: 0.89 - ETA: 57s - loss: 0.2629 - acc: 0.89 - ETA: 57s - loss: 0.2628 - acc: 0.89 - ETA: 56s - loss: 0.2629 - acc: 0.89 - ETA: 55s - loss: 0.2629 - acc: 0.89 - ETA: 55s - loss: 0.2630 - acc: 0.89 - ETA: 54s - loss: 0.2628 - acc: 0.893532249/32249 [=====]=] - ETA: 54s - loss: 0.2627 - acc: 0.89 - ETA: 53s - loss: 0.2626 - acc: 0.89 - ETA: 53s - loss: 0.2625 - acc: 0.89 - ETA: 52s - loss: 0.2625 - acc: 0.89 - ETA: 51s - loss: 0.2622 - acc: 0.89 - ETA: 51s - loss: 0.2624 - acc: 0.89 - ETA: 50s - loss: 0.2621 - acc: 0.89 - ETA: 50s - loss: 0.2623 - acc: 0.89 - ETA: 49s - loss: 0.2624 - acc: 0.89 - ETA: 49s - loss: 0.2622 - acc: 0.89 - ETA: 48s - loss: 0.2624 - acc: 0.89 - ETA: 47s - loss: 0.2621 - acc: 0.89 - ETA: 47s - loss: 0.2623 - acc: 0.89 - ETA: 46s - loss: 0.2623 - acc: 0.89 - ETA: 46s - loss: 0.2622 - acc: 0.89 - ETA: 45s - loss: 0.2618 - acc: 0.89 - ETA: 45s - loss: 0.2617 - acc: 0.89 - ETA: 44s - loss: 0.2615 - acc: 0.89 - ETA: 43s - loss: 0.2615 - acc: 0.89 - ETA: 43s - loss: 0.2615 - acc: 0.89 - ETA: 42s - loss: 0.2613 - acc: 0.89 - ETA: 42s - loss: 0.2611 - acc: 0.89 - ETA: 41s - loss: 0.2609 - acc: 0.89 - ETA: 41s - loss: 0.2611 - acc: 0.89 - ET

A: 40s - loss: 0.2611 - acc: 0.89 - ETA: 39s - loss: 0.2610 - acc: 0.89 - ET
 A: 39s - loss: 0.2608 - acc: 0.89 - ETA: 38s - loss: 0.2606 - acc: 0.89 - ET
 A: 38s - loss: 0.2606 - acc: 0.89 - ETA: 37s - loss: 0.2605 - acc: 0.89 - ET
 A: 36s - loss: 0.2605 - acc: 0.89 - ETA: 36s - loss: 0.2603 - acc: 0.89 - ET
 A: 35s - loss: 0.2604 - acc: 0.89 - ETA: 35s - loss: 0.2602 - acc: 0.89 - ET
 A: 34s - loss: 0.2600 - acc: 0.89 - ETA: 34s - loss: 0.2600 - acc: 0.89 - ET
 A: 33s - loss: 0.2600 - acc: 0.89 - ETA: 32s - loss: 0.2599 - acc: 0.89 - ET
 A: 32s - loss: 0.2598 - acc: 0.89 - ETA: 31s - loss: 0.2599 - acc: 0.89 - ET
 A: 31s - loss: 0.2599 - acc: 0.89 - ETA: 30s - loss: 0.2599 - acc: 0.89 - ET
 A: 30s - loss: 0.2598 - acc: 0.89 - ETA: 29s - loss: 0.2596 - acc: 0.89 - ET
 A: 28s - loss: 0.2596 - acc: 0.89 - ETA: 28s - loss: 0.2597 - acc: 0.89 - ET
 A: 27s - loss: 0.2595 - acc: 0.89 - ETA: 27s - loss: 0.2593 - acc: 0.89 - ET
 A: 26s - loss: 0.2591 - acc: 0.89 - ETA: 26s - loss: 0.2589 - acc: 0.89 - ET
 A: 25s - loss: 0.2588 - acc: 0.89 - ETA: 24s - loss: 0.2591 - acc: 0.89 - ET
 A: 24s - loss: 0.2589 - acc: 0.89 - ETA: 23s - loss: 0.2587 - acc: 0.89 - ET
 A: 23s - loss: 0.2588 - acc: 0.89 - ETA: 22s - loss: 0.2589 - acc: 0.89 - ET
 A: 21s - loss: 0.2587 - acc: 0.89 - ETA: 21s - loss: 0.2585 - acc: 0.89 - ET
 A: 20s - loss: 0.2583 - acc: 0.89 - ETA: 20s - loss: 0.2584 - acc: 0.89 - ET
 A: 19s - loss: 0.2582 - acc: 0.89 - ETA: 19s - loss: 0.2579 - acc: 0.89 - ET
 A: 18s - loss: 0.2577 - acc: 0.89 - ETA: 17s - loss: 0.2574 - acc: 0.89 - ET
 A: 17s - loss: 0.2573 - acc: 0.89 - ETA: 16s - loss: 0.2576 - acc: 0.89 - ET
 A: 16s - loss: 0.2577 - acc: 0.89 - ETA: 15s - loss: 0.2576 - acc: 0.89 - ET
 A: 15s - loss: 0.2575 - acc: 0.89 - ETA: 14s - loss: 0.2575 - acc: 0.89 - ET
 A: 13s - loss: 0.2574 - acc: 0.89 - ETA: 13s - loss: 0.2573 - acc: 0.89 - ET
 A: 12s - loss: 0.2572 - acc: 0.89 - ETA: 12s - loss: 0.2573 - acc: 0.89 - ET
 A: 11s - loss: 0.2573 - acc: 0.89 - ETA: 10s - loss: 0.2572 - acc: 0.89 - ET
 A: 10s - loss: 0.2572 - acc: 0.89 - ETA: 9s - loss: 0.2573 - acc: 0.8959 - ET
 A: 9s - loss: 0.2575 - acc: 0.895 - ETA: 8s - loss: 0.2575 - acc: 0.895 - ET
 A: 8s - loss: 0.2573 - acc: 0.895 - ETA: 7s - loss: 0.2571 - acc: 0.895 - ET
 A: 6s - loss: 0.2570 - acc: 0.896 - ETA: 6s - loss: 0.2569 - acc: 0.895 - ET
 A: 5s - loss: 0.2569 - acc: 0.896 - ETA: 5s - loss: 0.2569 - acc: 0.896 - ET
 A: 4s - loss: 0.2567 - acc: 0.896 - ETA: 3s - loss: 0.2566 - acc: 0.896 - ET
 A: 3s - loss: 0.2567 - acc: 0.896 - ETA: 2s - loss: 0.2565 - acc: 0.896 - ET
 A: 2s - loss: 0.2562 - acc: 0.896 - ETA: 1s - loss: 0.2562 - acc: 0.896 - ET
 A: 1s - loss: 0.2559 - acc: 0.896 - ETA: 0s - loss: 0.2557 - acc: 0.896 - 292
 s 9ms/step - loss: 0.2556 - acc: 0.8966

Epoch 2/5

13056/32249 [=====>.....] - ETA: 4:49 - loss: 0.1948 - ac
 c: 0.937 - ETA: 4:48 - loss: 0.1633 - acc: 0.953 - ETA: 4:49 - loss: 0.1422 -
 acc: 0.958 - ETA: 4:55 - loss: 0.1414 - acc: 0.953 - ETA: 4:56 - loss: 0.1392
 - acc: 0.950 - ETA: 4:53 - loss: 0.1399 - acc: 0.945 - ETA: 4:53 - loss: 0.13
 27 - acc: 0.950 - ETA: 4:53 - loss: 0.1361 - acc: 0.951 - ETA: 4:52 - loss:
 0.1420 - acc: 0.947 - ETA: 4:50 - loss: 0.1479 - acc: 0.945 - ETA: 4:49 - los
 s: 0.1560 - acc: 0.943 - ETA: 4:48 - loss: 0.1626 - acc: 0.944 - ETA: 4:48 -
 loss: 0.1634 - acc: 0.943 - ETA: 4:46 - loss: 0.1740 - acc: 0.940 - ETA: 4:42
 - loss: 0.1739 - acc: 0.940 - ETA: 4:40 - loss: 0.1711 - acc: 0.941 - ETA: 4:
 40 - loss: 0.1681 - acc: 0.942 - ETA: 4:39 - loss: 0.1697 - acc: 0.941 - ETA:
 4:39 - loss: 0.1652 - acc: 0.942 - ETA: 4:38 - loss: 0.1706 - acc: 0.941 - ET
 A: 4:38 - loss: 0.1692 - acc: 0.942 - ETA: 4:38 - loss: 0.1688 - acc: 0.943 -
 ETA: 4:39 - loss: 0.1672 - acc: 0.943 - ETA: 4:40 - loss: 0.1644 - acc: 0.944
 - ETA: 4:40 - loss: 0.1666 - acc: 0.943 - ETA: 4:39 - loss: 0.1638 - acc: 0.9
 44 - ETA: 4:39 - loss: 0.1613 - acc: 0.945 - ETA: 4:38 - loss: 0.1621 - acc:
 0.944 - ETA: 4:38 - loss: 0.1638 - acc: 0.942 - ETA: 4:37 - loss: 0.1662 - ac
 c: 0.942 - ETA: 4:36 - loss: 0.1665 - acc: 0.942 - ETA: 4:36 - loss: 0.1679 -
 acc: 0.941 - ETA: 4:35 - loss: 0.1660 - acc: 0.942 - ETA: 4:34 - loss: 0.1656
 - acc: 0.941 - ETA: 4:34 - loss: 0.1640 - acc: 0.942 - ETA: 4:33 - loss: 0.16
 39 - acc: 0.942 - ETA: 4:32 - loss: 0.1625 - acc: 0.943 - ETA: 4:32 - loss:

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- acc: 0.931 - ETA: 1:00 - loss: 0.1801 - acc: 0.931 - ETA: 1:00 - loss: 0.1
801 - acc: 0.931 - ETA: 59s - loss: 0.1800 - acc: 0.931 - ETA: 59s - loss: 0.
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799 - acc: 0.93 - ETA: 57s - loss: 0.1799 - acc: 0.93 - ETA: 56s - loss: 0.17
98 - acc: 0.93 - ETA: 56s - loss: 0.1796 - acc: 0.931532249/32249 [=====
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s: 0.1798 - acc: 0.93 - ETA: 53s - loss: 0.1798 - acc: 0.93 - ETA: 52s - los
s: 0.1798 - acc: 0.93 - ETA: 52s - loss: 0.1802 - acc: 0.93 - ETA: 51s - los
s: 0.1803 - acc: 0.93 - ETA: 51s - loss: 0.1802 - acc: 0.93 - ETA: 50s - los
s: 0.1801 - acc: 0.93 - ETA: 49s - loss: 0.1801 - acc: 0.93 - ETA: 49s - los
s: 0.1801 - acc: 0.93 - ETA: 48s - loss: 0.1800 - acc: 0.93 - ETA: 48s - los
s: 0.1799 - acc: 0.93 - ETA: 47s - loss: 0.1801 - acc: 0.93 - ETA: 47s - los
s: 0.1805 - acc: 0.93 - ETA: 46s - loss: 0.1806 - acc: 0.93 - ETA: 45s - los
s: 0.1809 - acc: 0.93 - ETA: 45s - loss: 0.1812 - acc: 0.93 - ETA: 44s - los
s: 0.1811 - acc: 0.93 - ETA: 44s - loss: 0.1812 - acc: 0.93 - ETA: 43s - los
s: 0.1811 - acc: 0.93 - ETA: 43s - loss: 0.1813 - acc: 0.93 - ETA: 42s - los
s: 0.1816 - acc: 0.93 - ETA: 41s - loss: 0.1817 - acc: 0.93 - ETA: 41s - los
s: 0.1815 - acc: 0.93 - ETA: 40s - loss: 0.1815 - acc: 0.93 - ETA: 40s - los
s: 0.1816 - acc: 0.93 - ETA: 39s - loss: 0.1815 - acc: 0.93 - ETA: 38s - los
s: 0.1812 - acc: 0.93 - ETA: 38s - loss: 0.1812 - acc: 0.93 - ETA: 37s - los
s: 0.1812 - acc: 0.93 - ETA: 37s - loss: 0.1813 - acc: 0.93 - ETA: 36s - los
s: 0.1815 - acc: 0.93 - ETA: 35s - loss: 0.1812 - acc: 0.93 - ETA: 35s - los
s: 0.1817 - acc: 0.93 - ETA: 34s - loss: 0.1817 - acc: 0.93 - ETA: 34s - los
s: 0.1817 - acc: 0.93 - ETA: 33s - loss: 0.1816 - acc: 0.93 - ETA: 32s - los
s: 0.1815 - acc: 0.93 - ETA: 32s - loss: 0.1814 - acc: 0.93 - ETA: 31s - los
s: 0.1815 - acc: 0.93 - ETA: 31s - loss: 0.1815 - acc: 0.93 - ETA: 30s - los
s: 0.1815 - acc: 0.93 - ETA: 30s - loss: 0.1814 - acc: 0.93 - ETA: 29s - los
s: 0.1814 - acc: 0.93 - ETA: 28s - loss: 0.1818 - acc: 0.93 - ETA: 28s - los
s: 0.1818 - acc: 0.93 - ETA: 27s - loss: 0.1817 - acc: 0.93 - ETA: 27s - los
s: 0.1816 - acc: 0.93 - ETA: 26s - loss: 0.1816 - acc: 0.93 - ETA: 25s - los
s: 0.1817 - acc: 0.93 - ETA: 25s - loss: 0.1817 - acc: 0.93 - ETA: 24s - los
s: 0.1817 - acc: 0.93 - ETA: 24s - loss: 0.1816 - acc: 0.93 - ETA: 23s - los
s: 0.1818 - acc: 0.93 - ETA: 22s - loss: 0.1817 - acc: 0.93 - ETA: 22s - los
s: 0.1820 - acc: 0.93 - ETA: 21s - loss: 0.1818 - acc: 0.93 - ETA: 21s - los
s: 0.1818 - acc: 0.93 - ETA: 20s - loss: 0.1817 - acc: 0.93 - ETA: 20s - los
s: 0.1817 - acc: 0.93 - ETA: 19s - loss: 0.1819 - acc: 0.93 - ETA: 18s - los
s: 0.1819 - acc: 0.93 - ETA: 18s - loss: 0.1818 - acc: 0.93 - ETA: 17s - los
s: 0.1819 - acc: 0.93 - ETA: 17s - loss: 0.1818 - acc: 0.93 - ETA: 16s - los
s: 0.1819 - acc: 0.93 - ETA: 15s - loss: 0.1818 - acc: 0.93 - ETA: 15s - los

s: 0.1817 - acc: 0.93 - ETA: 14s - loss: 0.1816 - acc: 0.93 - ETA: 14s - los
s: 0.1816 - acc: 0.93 - ETA: 13s - loss: 0.1817 - acc: 0.93 - ETA: 12s - los
s: 0.1818 - acc: 0.93 - ETA: 12s - loss: 0.1817 - acc: 0.93 - ETA: 11s - los
s: 0.1818 - acc: 0.93 - ETA: 11s - loss: 0.1816 - acc: 0.93 - ETA: 10s - los
s: 0.1818 - acc: 0.93 - ETA: 9s - loss: 0.1817 - acc: 0.9301 - ETA: 9s - los
s: 0.1816 - acc: 0.930 - ETA: 8s - loss: 0.1813 - acc: 0.930 - ETA: 8s - los
s: 0.1811 - acc: 0.930 - ETA: 7s - loss: 0.1814 - acc: 0.930 - ETA: 7s - los
s: 0.1814 - acc: 0.930 - ETA: 6s - loss: 0.1815 - acc: 0.930 - ETA: 5s - los
s: 0.1818 - acc: 0.930 - ETA: 5s - loss: 0.1818 - acc: 0.930 - ETA: 4s - los
s: 0.1817 - acc: 0.930 - ETA: 4s - loss: 0.1815 - acc: 0.930 - ETA: 3s - los
s: 0.1815 - acc: 0.930 - ETA: 2s - loss: 0.1815 - acc: 0.930 - ETA: 2s - los
s: 0.1815 - acc: 0.930 - ETA: 1s - loss: 0.1816 - acc: 0.930 - ETA: 1s - los
s: 0.1815 - acc: 0.930 - ETA: 0s - loss: 0.1816 - acc: 0.930 - 297s 9ms/step
- loss: 0.1817 - acc: 0.9302

Epoch 3/5

13056/32249 [=====>.....] - ETA: 5:00 - loss: 0.0815 - ac
c: 0.984 - ETA: 4:52 - loss: 0.1247 - acc: 0.960 - ETA: 4:50 - loss: 0.1178 -
acc: 0.963 - ETA: 4:50 - loss: 0.1102 - acc: 0.972 - ETA: 4:50 - loss: 0.113
8 - acc: 0.968 - ETA: 4:53 - loss: 0.1198 - acc: 0.966 - ETA: 4:55 - loss: 0.
1191 - acc: 0.966 - ETA: 4:58 - loss: 0.1339 - acc: 0.960 - ETA: 4:59 - loss:
0.1286 - acc: 0.963 - ETA: 4:58 - loss: 0.1283 - acc: 0.962 - ETA: 4:55 - lo
ss: 0.1304 - acc: 0.958 - ETA: 4:54 - loss: 0.1316 - acc: 0.955 - ETA: 4:53 -
loss: 0.1259 - acc: 0.957 - ETA: 4:52 - loss: 0.1250 - acc: 0.957 - ETA: 4:4
8 - loss: 0.1213 - acc: 0.958 - ETA: 4:46 - loss: 0.1221 - acc: 0.957 - ETA:
4:46 - loss: 0.1305 - acc: 0.955 - ETA: 4:46 - loss: 0.1344 - acc: 0.954 - E
TA: 4:45 - loss: 0.1302 - acc: 0.955 - ETA: 4:44 - loss: 0.1277 - acc: 0.955
- ETA: 4:43 - loss: 0.1307 - acc: 0.953 - ETA: 4:42 - loss: 0.1280 - acc: 0.
954 - ETA: 4:41 - loss: 0.1247 - acc: 0.955 - ETA: 4:40 - loss: 0.1259 - acc:
0.954 - ETA: 4:40 - loss: 0.1260 - acc: 0.955 - ETA: 4:39 - loss: 0.1270 - a
cc: 0.954 - ETA: 4:39 - loss: 0.1252 - acc: 0.955 - ETA: 4:38 - loss: 0.1259
- acc: 0.954 - ETA: 4:37 - loss: 0.1256 - acc: 0.954 - ETA: 4:36 - loss: 0.1
262 - acc: 0.954 - ETA: 4:36 - loss: 0.1298 - acc: 0.954 - ETA: 4:35 - loss:
0.1319 - acc: 0.955 - ETA: 4:35 - loss: 0.1305 - acc: 0.955 - ETA: 4:35 - lo
ss: 0.1292 - acc: 0.955 - ETA: 4:35 - loss: 0.1290 - acc: 0.955 - ETA: 4:35 -
loss: 0.1279 - acc: 0.956 - ETA: 4:34 - loss: 0.1276 - acc: 0.956 - ETA: 4:3
4 - loss: 0.1257 - acc: 0.956 - ETA: 4:33 - loss: 0.1267 - acc: 0.956 - ETA:
4:32 - loss: 0.1275 - acc: 0.955 - ETA: 4:31 - loss: 0.1261 - acc: 0.956 - E
TA: 4:31 - loss: 0.1268 - acc: 0.956 - ETA: 4:30 - loss: 0.1272 - acc: 0.955
- ETA: 4:29 - loss: 0.1287 - acc: 0.954 - ETA: 4:28 - loss: 0.1288 - acc: 0.
954 - ETA: 4:28 - loss: 0.1292 - acc: 0.954 - ETA: 4:27 - loss: 0.1297 - acc:
0.954 - ETA: 4:26 - loss: 0.1298 - acc: 0.955 - ETA: 4:26 - loss: 0.1307 - a
cc: 0.955 - ETA: 4:25 - loss: 0.1312 - acc: 0.954 - ETA: 4:24 - loss: 0.1332
- acc: 0.953 - ETA: 4:24 - loss: 0.1343 - acc: 0.953 - ETA: 4:23 - loss: 0.1
359 - acc: 0.952 - ETA: 4:22 - loss: 0.1346 - acc: 0.953 - ETA: 4:21 - loss:
0.1338 - acc: 0.953 - ETA: 4:20 - loss: 0.1331 - acc: 0.954 - ETA: 4:19 - lo
ss: 0.1333 - acc: 0.953 - ETA: 4:18 - loss: 0.1328 - acc: 0.953 - ETA: 4:17 -
loss: 0.1312 - acc: 0.954 - ETA: 4:17 - loss: 0.1313 - acc: 0.954 - ETA: 4:1
7 - loss: 0.1330 - acc: 0.953 - ETA: 4:17 - loss: 0.1324 - acc: 0.953 - ETA:
4:17 - loss: 0.1315 - acc: 0.953 - ETA: 4:16 - loss: 0.1305 - acc: 0.954 - E
TA: 4:16 - loss: 0.1320 - acc: 0.953 - ETA: 4:15 - loss: 0.1324 - acc: 0.953
- ETA: 4:15 - loss: 0.1320 - acc: 0.953 - ETA: 4:14 - loss: 0.1325 - acc: 0.
953 - ETA: 4:14 - loss: 0.1324 - acc: 0.952 - ETA: 4:13 - loss: 0.1325 - acc:
0.952 - ETA: 4:12 - loss: 0.1312 - acc: 0.953 - ETA: 4:12 - loss: 0.1321 - a
cc: 0.952 - ETA: 4:11 - loss: 0.1322 - acc: 0.952 - ETA: 4:10 - loss: 0.1317
- acc: 0.952 - ETA: 4:10 - loss: 0.1315 - acc: 0.952 - ETA: 4:09 - loss: 0.1
312 - acc: 0.952 - ETA: 4:09 - loss: 0.1322 - acc: 0.952 - ETA: 4:08 - loss:
0.1327 - acc: 0.952 - ETA: 4:07 - loss: 0.1325 - acc: 0.951 - ETA: 4:07 - lo

ss: 0.1325 - acc: 0.951 - ETA: 4:06 - loss: 0.1339 - acc: 0.951 - ETA: 4:06 -
loss: 0.1335 - acc: 0.951 - ETA: 4:05 - loss: 0.1350 - acc: 0.951 - ETA: 4:0
4 - loss: 0.1342 - acc: 0.951 - ETA: 4:04 - loss: 0.1346 - acc: 0.951 - ETA:
4:03 - loss: 0.1342 - acc: 0.951 - ETA: 4:03 - loss: 0.1347 - acc: 0.950 - E
TA: 4:03 - loss: 0.1349 - acc: 0.950 - ETA: 4:03 - loss: 0.1345 - acc: 0.950
- ETA: 4:03 - loss: 0.1351 - acc: 0.950 - ETA: 4:02 - loss: 0.1342 - acc: 0.
951 - ETA: 4:02 - loss: 0.1335 - acc: 0.951 - ETA: 4:01 - loss: 0.1335 - acc:
0.951 - ETA: 4:00 - loss: 0.1336 - acc: 0.951 - ETA: 4:00 - loss: 0.1336 - a
cc: 0.951 - ETA: 3:59 - loss: 0.1332 - acc: 0.951 - ETA: 3:58 - loss: 0.1334
- acc: 0.951 - ETA: 3:57 - loss: 0.1329 - acc: 0.951 - ETA: 3:56 - loss: 0.1
324 - acc: 0.951 - ETA: 3:56 - loss: 0.1325 - acc: 0.951 - ETA: 3:55 - loss:
0.1323 - acc: 0.951 - ETA: 3:54 - loss: 0.1317 - acc: 0.952 - ETA: 3:54 - lo
ss: 0.1312 - acc: 0.952 - ETA: 3:53 - loss: 0.1332 - acc: 0.951 - ETA: 3:53 -
loss: 0.1331 - acc: 0.951 - ETA: 3:52 - loss: 0.1322 - acc: 0.952 - ETA: 3:5
1 - loss: 0.1314 - acc: 0.952 - ETA: 3:51 - loss: 0.1314 - acc: 0.952 - ETA:
3:50 - loss: 0.1307 - acc: 0.952 - ETA: 3:50 - loss: 0.1304 - acc: 0.953 - E
TA: 3:49 - loss: 0.1306 - acc: 0.952 - ETA: 3:48 - loss: 0.1303 - acc: 0.952
- ETA: 3:48 - loss: 0.1301 - acc: 0.952 - ETA: 3:47 - loss: 0.1303 - acc: 0.
952 - ETA: 3:47 - loss: 0.1295 - acc: 0.953 - ETA: 3:47 - loss: 0.1297 - acc:
0.953 - ETA: 3:46 - loss: 0.1296 - acc: 0.953 - ETA: 3:46 - loss: 0.1297 - a
cc: 0.953 - ETA: 3:45 - loss: 0.1302 - acc: 0.953 - ETA: 3:45 - loss: 0.1310
- acc: 0.952 - ETA: 3:44 - loss: 0.1317 - acc: 0.952 - ETA: 3:44 - loss: 0.1
321 - acc: 0.952 - ETA: 3:43 - loss: 0.1326 - acc: 0.952 - ETA: 3:42 - loss:
0.1324 - acc: 0.952 - ETA: 3:42 - loss: 0.1327 - acc: 0.952 - ETA: 3:41 - lo
ss: 0.1331 - acc: 0.952 - ETA: 3:41 - loss: 0.1328 - acc: 0.952 - ETA: 3:40 -
loss: 0.1332 - acc: 0.952 - ETA: 3:40 - loss: 0.1335 - acc: 0.952 - ETA: 3:3
9 - loss: 0.1338 - acc: 0.952 - ETA: 3:38 - loss: 0.1336 - acc: 0.952 - ETA:
3:38 - loss: 0.1336 - acc: 0.952 - ETA: 3:37 - loss: 0.1342 - acc: 0.951 - E
TA: 3:37 - loss: 0.1347 - acc: 0.952 - ETA: 3:36 - loss: 0.1355 - acc: 0.951
- ETA: 3:35 - loss: 0.1363 - acc: 0.950 - ETA: 3:35 - loss: 0.1359 - acc: 0.
950 - ETA: 3:34 - loss: 0.1354 - acc: 0.951 - ETA: 3:34 - loss: 0.1364 - acc:
0.951 - ETA: 3:33 - loss: 0.1368 - acc: 0.950 - ETA: 3:32 - loss: 0.1378 - a
cc: 0.950 - ETA: 3:31 - loss: 0.1381 - acc: 0.950 - ETA: 3:31 - loss: 0.1379
- acc: 0.950 - ETA: 3:30 - loss: 0.1387 - acc: 0.950 - ETA: 3:30 - loss: 0.1
392 - acc: 0.950 - ETA: 3:29 - loss: 0.1391 - acc: 0.950 - ETA: 3:29 - loss:
0.1403 - acc: 0.949 - ETA: 3:28 - loss: 0.1405 - acc: 0.949 - ETA: 3:28 - lo
ss: 0.1410 - acc: 0.948 - ETA: 3:27 - loss: 0.1407 - acc: 0.949 - ETA: 3:26 -
loss: 0.1406 - acc: 0.949 - ETA: 3:26 - loss: 0.1414 - acc: 0.948 - ETA: 3:2
5 - loss: 0.1415 - acc: 0.948 - ETA: 3:24 - loss: 0.1423 - acc: 0.948 - ETA:
3:24 - loss: 0.1425 - acc: 0.948 - ETA: 3:23 - loss: 0.1425 - acc: 0.948 - E
TA: 3:23 - loss: 0.1424 - acc: 0.948 - ETA: 3:22 - loss: 0.1420 - acc: 0.948
- ETA: 3:22 - loss: 0.1422 - acc: 0.948 - ETA: 3:21 - loss: 0.1424 - acc: 0.
948 - ETA: 3:20 - loss: 0.1425 - acc: 0.948 - ETA: 3:20 - loss: 0.1424 - acc:
0.948 - ETA: 3:19 - loss: 0.1421 - acc: 0.948 - ETA: 3:19 - loss: 0.1421 - a
cc: 0.948 - ETA: 3:18 - loss: 0.1422 - acc: 0.948 - ETA: 3:17 - loss: 0.1420
- acc: 0.948 - ETA: 3:17 - loss: 0.1418 - acc: 0.948 - ETA: 3:16 - loss: 0.1
424 - acc: 0.948 - ETA: 3:16 - loss: 0.1424 - acc: 0.948 - ETA: 3:15 - loss:
0.1423 - acc: 0.948 - ETA: 3:15 - loss: 0.1424 - acc: 0.948 - ETA: 3:14 - lo
ss: 0.1421 - acc: 0.948 - ETA: 3:14 - loss: 0.1418 - acc: 0.948 - ETA: 3:13 -
loss: 0.1420 - acc: 0.948 - ETA: 3:12 - loss: 0.1421 - acc: 0.948 - ETA: 3:1
2 - loss: 0.1418 - acc: 0.948 - ETA: 3:11 - loss: 0.1418 - acc: 0.948 - ETA:
3:10 - loss: 0.1424 - acc: 0.947 - ETA: 3:10 - loss: 0.1425 - acc: 0.948 - E
TA: 3:09 - loss: 0.1423 - acc: 0.948 - ETA: 3:09 - loss: 0.1427 - acc: 0.947
- ETA: 3:08 - loss: 0.1424 - acc: 0.948 - ETA: 3:07 - loss: 0.1427 - acc: 0.
947 - ETA: 3:06 - loss: 0.1432 - acc: 0.947 - ETA: 3:06 - loss: 0.1429 - acc:
0.947 - ETA: 3:05 - loss: 0.1427 - acc: 0.947 - ETA: 3:05 - loss: 0.1434 - a
cc: 0.947 - ETA: 3:04 - loss: 0.1435 - acc: 0.947 - ETA: 3:03 - loss: 0.1432

- acc: 0.947 - ETA: 3:03 - loss: 0.1434 - acc: 0.947 - ETA: 3:02 - loss: 0.1431 - acc: 0.947 - ETA: 3:02 - loss: 0.1436 - acc: 0.947 - ETA: 3:01 - loss: 0.1439 - acc: 0.947 - ETA: 3:00 - loss: 0.1442 - acc: 0.947 - ETA: 3:00 - loss: 0.1441 - acc: 0.947 - ETA: 2:59 - loss: 0.1440 - acc: 0.947 - ETA: 2:59 - loss: 0.1442 - acc: 0.947 - ETA: 2:58 - loss: 0.1437 - acc: 0.947 - ETA: 2:58 - loss: 0.1437 - acc: 0.947 - ETA: 2:57 - loss: 0.1436 - acc: 0.947 - ETA: 2:57 - loss: 0.1437 - acc: 0.947 - ETA: 2:56 - loss: 0.1439 - acc: 0.947 - ETA: 2:55 - loss: 0.1445 - acc: 0.946 - ETA: 2:55 - loss: 0.1440 - acc: 0.947026112/32249 [=====>.....] - ETA: 2:54 - loss: 0.1439 - acc: 0.947 - ETA: 2:54 - loss: 0.1440 - acc: 0.946 - ETA: 2:53 - loss: 0.1441 - acc: 0.947 - ETA: 2:52 - loss: 0.1437 - acc: 0.947 - ETA: 2:52 - loss: 0.1435 - acc: 0.947 - ETA: 2:51 - loss: 0.1436 - acc: 0.947 - ETA: 2:51 - loss: 0.1435 - acc: 0.947 - ETA: 2:50 - loss: 0.1434 - acc: 0.947 - ETA: 2:49 - loss: 0.1433 - acc: 0.947 - ETA: 2:49 - loss: 0.1434 - acc: 0.947 - ETA: 2:48 - loss: 0.1438 - acc: 0.946 - ETA: 2:48 - loss: 0.1442 - acc: 0.946 - ETA: 2:47 - loss: 0.1439 - acc: 0.946 - ETA: 2:46 - loss: 0.1438 - acc: 0.947 - ETA: 2:46 - loss: 0.1443 - acc: 0.946 - ETA: 2:45 - loss: 0.1443 - acc: 0.947 - ETA: 2:45 - loss: 0.1443 - acc: 0.947 - ETA: 2:44 - loss: 0.1443 - acc: 0.947 - ETA: 2:43 - loss: 0.1438 - acc: 0.947 - ETA: 2:43 - loss: 0.1439 - acc: 0.947 - ETA: 2:42 - loss: 0.1441 - acc: 0.947 - ETA: 2:42 - loss: 0.1445 - acc: 0.947 - ETA: 2:41 - loss: 0.1446 - acc: 0.947 - ETA: 2:40 - loss: 0.1445 - acc: 0.947 - ETA: 2:40 - loss: 0.1444 - acc: 0.947 - ETA: 2:39 - loss: 0.1447 - acc: 0.946 - ETA: 2:39 - loss: 0.1453 - acc: 0.946 - ETA: 2:38 - loss: 0.1455 - acc: 0.946 - ETA: 2:38 - loss: 0.1454 - acc: 0.946 - ETA: 2:37 - loss: 0.1456 - acc: 0.946 - ETA: 2:36 - loss: 0.1455 - acc: 0.946 - ETA: 2:36 - loss: 0.1459 - acc: 0.946 - ETA: 2:35 - loss: 0.1464 - acc: 0.946 - ETA: 2:35 - loss: 0.1470 - acc: 0.946 - ETA: 2:34 - loss: 0.1471 - acc: 0.946 - ETA: 2:33 - loss: 0.1470 - acc: 0.946 - ETA: 2:33 - loss: 0.1471 - acc: 0.946 - ETA: 2:32 - loss: 0.1470 - acc: 0.946 - ETA: 2:32 - loss: 0.1469 - acc: 0.946 - ETA: 2:31 - loss: 0.1471 - acc: 0.946 - ETA: 2:31 - loss: 0.1469 - acc: 0.946 - ETA: 2:30 - loss: 0.1471 - acc: 0.946 - ETA: 2:29 - loss: 0.1471 - acc: 0.946 - ETA: 2:29 - loss: 0.1472 - acc: 0.946 - ETA: 2:28 - loss: 0.1470 - acc: 0.946 - ETA: 2:28 - loss: 0.1469 - acc: 0.946 - ETA: 2:27 - loss: 0.1472 - acc: 0.946 - ETA: 2:26 - loss: 0.1475 - acc: 0.946 - ETA: 2:26 - loss: 0.1472 - acc: 0.946 - ETA: 2:25 - loss: 0.1468 - acc: 0.946 - ETA: 2:25 - loss: 0.1469 - acc: 0.946 - ETA: 2:24 - loss: 0.1468 - acc: 0.946 - ETA: 2:24 - loss: 0.1467 - acc: 0.946 - ETA: 2:23 - loss: 0.1468 - acc: 0.946 - ETA: 2:23 - loss: 0.1468 - acc: 0.946 - ETA: 2:22 - loss: 0.1466 - acc: 0.946 - ETA: 2:21 - loss: 0.1470 - acc: 0.946 - ETA: 2:21 - loss: 0.1470 - acc: 0.946 - ETA: 2:20 - loss: 0.1471 - acc: 0.946 - ETA: 2:20 - loss: 0.1469 - acc: 0.946 - ETA: 2:19 - loss: 0.1471 - acc: 0.945 - ETA: 2:18 - loss: 0.1476 - acc: 0.945 - ETA: 2:18 - loss: 0.1482 - acc: 0.945 - ETA: 2:17 - loss: 0.1487 - acc: 0.945 - ETA: 2:17 - loss: 0.1485 - acc: 0.945 - ETA: 2:16 - loss: 0.1487 - acc: 0.945 - ETA: 2:16 - loss: 0.1489 - acc: 0.945 - ETA: 2:15 - loss: 0.1490 - acc: 0.945 - ETA: 2:15 - loss: 0.1490 - acc: 0.944 - ETA: 2:14 - loss: 0.1489 - acc: 0.944 - ETA: 2:14 - loss: 0.1488 - acc: 0.945 - ETA: 2:13 - loss: 0.1487 - acc: 0.945 - ETA: 2:13 - loss: 0.1485 - acc: 0.945 - ETA: 2:12 - loss: 0.1486 - acc: 0.945 - ETA: 2:12 - loss: 0.1485 - acc: 0.945 - ETA: 2:11 - loss: 0.1485 - acc: 0.945 - ETA: 2:11 - loss: 0.1489 - acc: 0.945 - ETA: 2:10 - loss: 0.1489 - acc: 0.945 - ETA: 2:09 - loss: 0.1489 - acc: 0.945 - ETA: 2:09 - loss: 0.1488 - acc: 0.945 - ETA: 2:08 - loss: 0.1488 - acc: 0.945 - ETA: 2:08 - loss: 0.1489 - acc: 0.945 - ETA: 2:07 - loss: 0.1487 - acc: 0.945 - ETA: 2:06 - loss: 0.1490 - acc: 0.945 - ETA: 2:06 - loss: 0.1492 - acc: 0.944 - ETA: 2:05 - loss: 0.1494 - acc: 0.944 - ETA: 2:05 - loss: 0.1494 - acc: 0.944 - ETA: 2:04 - loss: 0.1493 - acc: 0.944 - ETA: 2:03 - loss: 0.1494 - acc: 0.944 - ETA: 2:02 - loss: 0.1493 - acc: 0.944 - ETA: 2:02 - loss: 0.1492 - acc:

0.944 - ETA: 2:01 - loss: 0.1492 - acc: 0.944 - ETA: 2:00 - loss: 0.1491 - acc: 0.944 - ETA: 2:00 - loss: 0.1491 - acc: 0.944 - ETA: 1:59 - loss: 0.1493 - acc: 0.944 - ETA: 1:59 - loss: 0.1494 - acc: 0.944 - ETA: 1:58 - loss: 0.1493 - acc: 0.944 - ETA: 1:57 - loss: 0.1495 - acc: 0.944 - ETA: 1:57 - loss: 0.1496 - acc: 0.944 - ETA: 1:56 - loss: 0.1495 - acc: 0.944 - ETA: 1:56 - loss: 0.1495 - acc: 0.944 - ETA: 1:55 - loss: 0.1493 - acc: 0.944 - ETA: 1:55 - loss: 0.1499 - acc: 0.944 - ETA: 1:54 - loss: 0.1497 - acc: 0.944 - ETA: 1:53 - loss: 0.1494 - acc: 0.944 - ETA: 1:53 - loss: 0.1491 - acc: 0.945 - ETA: 1:52 - loss: 0.1495 - acc: 0.944 - ETA: 1:52 - loss: 0.1496 - acc: 0.944 - ETA: 1:51 - loss: 0.1497 - acc: 0.944 - ETA: 1:50 - loss: 0.1495 - acc: 0.944 - ETA: 1:50 - loss: 0.1496 - acc: 0.944 - ETA: 1:49 - loss: 0.1495 - acc: 0.944 - ETA: 1:49 - loss: 0.1498 - acc: 0.944 - ETA: 1:48 - loss: 0.1498 - acc: 0.944 - ETA: 1:47 - loss: 0.1497 - acc: 0.944 - ETA: 1:47 - loss: 0.1496 - acc: 0.944 - ETA: 1:46 - loss: 0.1497 - acc: 0.944 - ETA: 1:46 - loss: 0.1497 - acc: 0.944 - ETA: 1:45 - loss: 0.1498 - acc: 0.944 - ETA: 1:44 - loss: 0.1496 - acc: 0.944 - ETA: 1:44 - loss: 0.1498 - acc: 0.944 - ETA: 1:43 - loss: 0.1498 - acc: 0.944 - ETA: 1:43 - loss: 0.1499 - acc: 0.944 - ETA: 1:42 - loss: 0.1501 - acc: 0.944 - ETA: 1:41 - loss: 0.1500 - acc: 0.944 - ETA: 1:41 - loss: 0.1504 - acc: 0.944 - ETA: 1:40 - loss: 0.1503 - acc: 0.944 - ETA: 1:40 - loss: 0.1506 - acc: 0.944 - ETA: 1:39 - loss: 0.1505 - acc: 0.944 - ETA: 1:39 - loss: 0.1505 - acc: 0.944 - ETA: 1:38 - loss: 0.1504 - acc: 0.944 - ETA: 1:37 - loss: 0.1502 - acc: 0.944 - ETA: 1:37 - loss: 0.1501 - acc: 0.944 - ETA: 1:36 - loss: 0.1502 - acc: 0.944 - ETA: 1:36 - loss: 0.1499 - acc: 0.944 - ETA: 1:35 - loss: 0.1497 - acc: 0.944 - ETA: 1:34 - loss: 0.1500 - acc: 0.944 - ETA: 1:34 - loss: 0.1501 - acc: 0.944 - ETA: 1:33 - loss: 0.1501 - acc: 0.944 - ETA: 1:33 - loss: 0.1500 - acc: 0.944 - ETA: 1:32 - loss: 0.1501 - acc: 0.944 - ETA: 1:31 - loss: 0.1501 - acc: 0.944 - ETA: 1:31 - loss: 0.1498 - acc: 0.944 - ETA: 1:30 - loss: 0.1498 - acc: 0.944 - ETA: 1:30 - loss: 0.1500 - acc: 0.944 - ETA: 1:29 - loss: 0.1500 - acc: 0.944 - ETA: 1:28 - loss: 0.1503 - acc: 0.944 - ETA: 1:28 - loss: 0.1502 - acc: 0.944 - ETA: 1:27 - loss: 0.1502 - acc: 0.944 - ETA: 1:27 - loss: 0.1500 - acc: 0.944 - ETA: 1:26 - loss: 0.1501 - acc: 0.944 - ETA: 1:25 - loss: 0.1502 - acc: 0.944 - ETA: 1:25 - loss: 0.1501 - acc: 0.944 - ETA: 1:24 - loss: 0.1499 - acc: 0.944 - ETA: 1:23 - loss: 0.1497 - acc: 0.944 - ETA: 1:23 - loss: 0.1497 - acc: 0.944 - ETA: 1:22 - loss: 0.1496 - acc: 0.944 - ETA: 1:21 - loss: 0.1499 - acc: 0.944 - ETA: 1:21 - loss: 0.1501 - acc: 0.944 - ETA: 1:20 - loss: 0.1501 - acc: 0.944 - ETA: 1:20 - loss: 0.1498 - acc: 0.944 - ETA: 1:19 - loss: 0.1499 - acc: 0.944 - ETA: 1:18 - loss: 0.1497 - acc: 0.944 - ETA: 1:18 - loss: 0.1495 - acc: 0.945 - ETA: 1:17 - loss: 0.1494 - acc: 0.944 - ETA: 1:17 - loss: 0.1492 - acc: 0.945 - ETA: 1:16 - loss: 0.1496 - acc: 0.944 - ETA: 1:15 - loss: 0.1496 - acc: 0.944 - ETA: 1:15 - loss: 0.1498 - acc: 0.944 - ETA: 1:14 - loss: 0.1501 - acc: 0.944 - ETA: 1:14 - loss: 0.1505 - acc: 0.944 - ETA: 1:13 - loss: 0.1505 - acc: 0.944 - ETA: 1:12 - loss: 0.1507 - acc: 0.944 - ETA: 1:12 - loss: 0.1507 - acc: 0.944 - ETA: 1:11 - loss: 0.1508 - acc: 0.944 - ETA: 1:11 - loss: 0.1509 - acc: 0.944 - ETA: 1:10 - loss: 0.1513 - acc: 0.943 - ETA: 1:09 - loss: 0.1514 - acc: 0.943 - ETA: 1:09 - loss: 0.1512 - acc: 0.943 - ETA: 1:08 - loss: 0.1513 - acc: 0.943 - ETA: 1:08 - loss: 0.1513 - acc: 0.943 - ETA: 1:07 - loss: 0.1512 - acc: 0.943 - ETA: 1:07 - loss: 0.1513 - acc: 0.943 - ETA: 1:06 - loss: 0.1511 - acc: 0.944 - ETA: 1:05 - loss: 0.1511 - acc: 0.944 - ETA: 1:05 - loss: 0.1512 - acc: 0.944 - ETA: 1:04 - loss: 0.1514 - acc: 0.943 - ETA: 1:04 - loss: 0.1516 - acc: 0.943 - ETA: 1:03 - loss: 0.1520 - acc: 0.943 - ETA: 1:02 - loss: 0.1521 - acc: 0.943 - ETA: 1:02 - loss: 0.1519 - acc: 0.943 - ETA: 1:01 - loss: 0.1520 - acc: 0.943 - ETA: 1:01 - loss: 0.1520 - acc: 0.943 - ETA: 1:00 - loss: 0.1520 - acc: 0.943 - ETA: 59s - loss: 0.1518 - acc: 0.943 - ETA: 59s - loss: 0.1520 - acc: 0.94 - ETA: 58s - loss: 0.1520 - acc: 0.94 - ETA: 58s - loss: 0.1523 - acc: 0.94 - ETA: 57s - loss: 0.1526 - acc: 0.94 - ETA: 56s


```

- loss: 0.1528 - acc: 0.94 - ETA: 56s - loss: 0.1529 - acc: 0.943432249/3224
9 [=====] - ETA: 55s - loss: 0.1530 - acc: 0.94 - ET
A: 55s - loss: 0.1534 - acc: 0.94 - ETA: 54s - loss: 0.1533 - acc: 0.94 - ET
A: 54s - loss: 0.1532 - acc: 0.94 - ETA: 53s - loss: 0.1530 - acc: 0.94 - ET
A: 52s - loss: 0.1531 - acc: 0.94 - ETA: 52s - loss: 0.1530 - acc: 0.94 - ET
A: 51s - loss: 0.1528 - acc: 0.94 - ETA: 51s - loss: 0.1528 - acc: 0.94 - ET
A: 50s - loss: 0.1530 - acc: 0.94 - ETA: 49s - loss: 0.1535 - acc: 0.94 - ET
A: 49s - loss: 0.1533 - acc: 0.94 - ETA: 48s - loss: 0.1532 - acc: 0.94 - ET
A: 48s - loss: 0.1534 - acc: 0.94 - ETA: 47s - loss: 0.1534 - acc: 0.94 - ET
A: 46s - loss: 0.1534 - acc: 0.94 - ETA: 46s - loss: 0.1532 - acc: 0.94 - ET
A: 45s - loss: 0.1532 - acc: 0.94 - ETA: 45s - loss: 0.1532 - acc: 0.94 - ET
A: 44s - loss: 0.1532 - acc: 0.94 - ETA: 44s - loss: 0.1531 - acc: 0.94 - ET
A: 43s - loss: 0.1532 - acc: 0.94 - ETA: 42s - loss: 0.1531 - acc: 0.94 - ET
A: 42s - loss: 0.1530 - acc: 0.94 - ETA: 41s - loss: 0.1530 - acc: 0.94 - ET
A: 41s - loss: 0.1530 - acc: 0.94 - ETA: 40s - loss: 0.1530 - acc: 0.94 - ET
A: 39s - loss: 0.1532 - acc: 0.94 - ETA: 39s - loss: 0.1530 - acc: 0.94 - ET
A: 38s - loss: 0.1529 - acc: 0.94 - ETA: 38s - loss: 0.1533 - acc: 0.94 - ET
A: 37s - loss: 0.1534 - acc: 0.94 - ETA: 36s - loss: 0.1534 - acc: 0.94 - ET
A: 36s - loss: 0.1534 - acc: 0.94 - ETA: 35s - loss: 0.1534 - acc: 0.94 - ET
A: 35s - loss: 0.1533 - acc: 0.94 - ETA: 34s - loss: 0.1531 - acc: 0.94 - ET
A: 34s - loss: 0.1532 - acc: 0.94 - ETA: 33s - loss: 0.1532 - acc: 0.94 - ET
A: 32s - loss: 0.1531 - acc: 0.94 - ETA: 32s - loss: 0.1533 - acc: 0.94 - ET
A: 31s - loss: 0.1535 - acc: 0.94 - ETA: 31s - loss: 0.1535 - acc: 0.94 - ET
A: 30s - loss: 0.1535 - acc: 0.94 - ETA: 29s - loss: 0.1534 - acc: 0.94 - ET
A: 29s - loss: 0.1533 - acc: 0.94 - ETA: 28s - loss: 0.1536 - acc: 0.94 - ET
A: 28s - loss: 0.1538 - acc: 0.94 - ETA: 27s - loss: 0.1537 - acc: 0.94 - ET
A: 26s - loss: 0.1537 - acc: 0.94 - ETA: 26s - loss: 0.1536 - acc: 0.94 - ET
A: 25s - loss: 0.1538 - acc: 0.94 - ETA: 25s - loss: 0.1539 - acc: 0.94 - ET
A: 24s - loss: 0.1539 - acc: 0.94 - ETA: 24s - loss: 0.1538 - acc: 0.94 - ET
A: 23s - loss: 0.1537 - acc: 0.94 - ETA: 22s - loss: 0.1537 - acc: 0.94 - ET
A: 22s - loss: 0.1537 - acc: 0.94 - ETA: 21s - loss: 0.1536 - acc: 0.94 - ET
A: 21s - loss: 0.1534 - acc: 0.94 - ETA: 20s - loss: 0.1536 - acc: 0.94 - ET
A: 19s - loss: 0.1537 - acc: 0.94 - ETA: 19s - loss: 0.1536 - acc: 0.94 - ET
A: 18s - loss: 0.1536 - acc: 0.94 - ETA: 18s - loss: 0.1535 - acc: 0.94 - ET
A: 17s - loss: 0.1534 - acc: 0.94 - ETA: 16s - loss: 0.1534 - acc: 0.94 - ET
A: 16s - loss: 0.1533 - acc: 0.94 - ETA: 15s - loss: 0.1533 - acc: 0.94 - ET
A: 15s - loss: 0.1532 - acc: 0.94 - ETA: 14s - loss: 0.1531 - acc: 0.94 - ET
A: 14s - loss: 0.1531 - acc: 0.94 - ETA: 13s - loss: 0.1531 - acc: 0.94 - ET
A: 12s - loss: 0.1530 - acc: 0.94 - ETA: 12s - loss: 0.1530 - acc: 0.94 - ET
A: 11s - loss: 0.1529 - acc: 0.94 - ETA: 11s - loss: 0.1529 - acc: 0.94 - ET
A: 10s - loss: 0.1528 - acc: 0.94 - ETA: 9s - loss: 0.1527 - acc: 0.9427 - ET
A: 9s - loss: 0.1526 - acc: 0.942 - ETA: 8s - loss: 0.1528 - acc: 0.942 - ET
A: 8s - loss: 0.1533 - acc: 0.942 - ETA: 7s - loss: 0.1532 - acc: 0.942 - ET
A: 6s - loss: 0.1531 - acc: 0.942 - ETA: 6s - loss: 0.1529 - acc: 0.942 - ET
A: 5s - loss: 0.1528 - acc: 0.942 - ETA: 5s - loss: 0.1532 - acc: 0.942 - ET
A: 4s - loss: 0.1532 - acc: 0.942 - ETA: 4s - loss: 0.1531 - acc: 0.942 - ET
A: 3s - loss: 0.1530 - acc: 0.942 - ETA: 2s - loss: 0.1531 - acc: 0.942 - ET
A: 2s - loss: 0.1530 - acc: 0.942 - ETA: 1s - loss: 0.1530 - acc: 0.942 - ET
A: 1s - loss: 0.1534 - acc: 0.942 - ETA: 0s - loss: 0.1534 - acc: 0.942 - 297
s 9ms/step - loss: 0.1532 - acc: 0.9425
Epoch 4/5
13056/32249 [=====>.....] - ETA: 4:55 - loss: 0.1746 - ac
c: 0.953 - ETA: 4:56 - loss: 0.1379 - acc: 0.953 - ETA: 4:57 - loss: 0.1258 -
acc: 0.958 - ETA: 4:56 - loss: 0.1307 - acc: 0.957 - ETA: 4:55 - loss: 0.125
5 - acc: 0.956 - ETA: 4:55 - loss: 0.1161 - acc: 0.960 - ETA: 4:53 - loss: 0.
1135 - acc: 0.962 - ETA: 4:52 - loss: 0.1106 - acc: 0.960 - ETA: 4:50 - loss:
0.1187 - acc: 0.951 - ETA: 4:49 - loss: 0.1136 - acc: 0.953 - ETA: 4:48 - lo

```

ss: 0.1216 - acc: 0.950 - ETA: 4:47 - loss: 0.1146 - acc: 0.954 - ETA: 4:45 -
loss: 0.1106 - acc: 0.955 - ETA: 4:42 - loss: 0.1082 - acc: 0.956 - ETA: 4:4
0 - loss: 0.1077 - acc: 0.956 - ETA: 4:40 - loss: 0.1150 - acc: 0.956 - ETA:
4:40 - loss: 0.1142 - acc: 0.955 - ETA: 4:39 - loss: 0.1106 - acc: 0.957 - E
TA: 4:40 - loss: 0.1082 - acc: 0.958 - ETA: 4:42 - loss: 0.1124 - acc: 0.957
- ETA: 4:43 - loss: 0.1133 - acc: 0.957 - ETA: 4:45 - loss: 0.1128 - acc: 0.
957 - ETA: 4:47 - loss: 0.1122 - acc: 0.957 - ETA: 4:46 - loss: 0.1108 - acc:
0.958 - ETA: 4:46 - loss: 0.1106 - acc: 0.958 - ETA: 4:45 - loss: 0.1112 - a
cc: 0.958 - ETA: 4:45 - loss: 0.1088 - acc: 0.960 - ETA: 4:44 - loss: 0.1072
- acc: 0.960 - ETA: 4:44 - loss: 0.1108 - acc: 0.959 - ETA: 4:43 - loss: 0.1
150 - acc: 0.958 - ETA: 4:42 - loss: 0.1160 - acc: 0.958 - ETA: 4:41 - loss:
0.1156 - acc: 0.959 - ETA: 4:40 - loss: 0.1149 - acc: 0.959 - ETA: 4:39 - lo
ss: 0.1155 - acc: 0.958 - ETA: 4:39 - loss: 0.1139 - acc: 0.958 - ETA: 4:38 -
loss: 0.1125 - acc: 0.959 - ETA: 4:37 - loss: 0.1118 - acc: 0.959 - ETA: 4:3
7 - loss: 0.1110 - acc: 0.960 - ETA: 4:36 - loss: 0.1118 - acc: 0.959 - ETA:
4:35 - loss: 0.1122 - acc: 0.959 - ETA: 4:35 - loss: 0.1132 - acc: 0.959 - E
TA: 4:34 - loss: 0.1170 - acc: 0.958 - ETA: 4:33 - loss: 0.1170 - acc: 0.957
- ETA: 4:33 - loss: 0.1156 - acc: 0.958 - ETA: 4:32 - loss: 0.1164 - acc: 0.
958 - ETA: 4:32 - loss: 0.1166 - acc: 0.958 - ETA: 4:32 - loss: 0.1162 - acc:
0.958 - ETA: 4:32 - loss: 0.1170 - acc: 0.958 - ETA: 4:31 - loss: 0.1178 - a
cc: 0.958 - ETA: 4:30 - loss: 0.1180 - acc: 0.958 - ETA: 4:29 - loss: 0.1174
- acc: 0.958 - ETA: 4:29 - loss: 0.1175 - acc: 0.959 - ETA: 4:28 - loss: 0.1
186 - acc: 0.958 - ETA: 4:27 - loss: 0.1179 - acc: 0.959 - ETA: 4:26 - loss:
0.1182 - acc: 0.958 - ETA: 4:25 - loss: 0.1183 - acc: 0.958 - ETA: 4:23 - lo
ss: 0.1210 - acc: 0.958 - ETA: 4:23 - loss: 0.1219 - acc: 0.956 - ETA: 4:22 -
loss: 0.1216 - acc: 0.957 - ETA: 4:22 - loss: 0.1216 - acc: 0.957 - ETA: 4:2
1 - loss: 0.1218 - acc: 0.957 - ETA: 4:20 - loss: 0.1230 - acc: 0.957 - ETA:
4:19 - loss: 0.1225 - acc: 0.957 - ETA: 4:19 - loss: 0.1220 - acc: 0.957 - E
TA: 4:18 - loss: 0.1214 - acc: 0.957 - ETA: 4:18 - loss: 0.1215 - acc: 0.957
- ETA: 4:17 - loss: 0.1208 - acc: 0.957 - ETA: 4:16 - loss: 0.1198 - acc: 0.
958 - ETA: 4:16 - loss: 0.1199 - acc: 0.957 - ETA: 4:15 - loss: 0.1194 - acc:
0.958 - ETA: 4:14 - loss: 0.1202 - acc: 0.958 - ETA: 4:14 - loss: 0.1201 - a
cc: 0.958 - ETA: 4:13 - loss: 0.1204 - acc: 0.958 - ETA: 4:13 - loss: 0.1202
- acc: 0.958 - ETA: 4:13 - loss: 0.1210 - acc: 0.957 - ETA: 4:13 - loss: 0.1
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0.1199 - acc: 0.958 - ETA: 4:11 - loss: 0.1196 - acc: 0.958 - ETA: 4:10 - lo
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loss: 0.1192 - acc: 0.958 - ETA: 4:08 - loss: 0.1191 - acc: 0.958 - ETA: 4:0
7 - loss: 0.1183 - acc: 0.958 - ETA: 4:07 - loss: 0.1185 - acc: 0.958 - ETA:
4:06 - loss: 0.1185 - acc: 0.958 - ETA: 4:05 - loss: 0.1182 - acc: 0.958 - E
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- ETA: 4:03 - loss: 0.1189 - acc: 0.957 - ETA: 4:03 - loss: 0.1188 - acc: 0.
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0.958 - ETA: 4:01 - loss: 0.1180 - acc: 0.957 - ETA: 4:00 - loss: 0.1182 - a
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- acc: 0.957 - ETA: 3:58 - loss: 0.1173 - acc: 0.957 - ETA: 3:57 - loss: 0.1
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3 - loss: 0.1183 - acc: 0.956 - ETA: 3:52 - loss: 0.1185 - acc: 0.956 - ETA:
3:51 - loss: 0.1184 - acc: 0.957 - ETA: 3:51 - loss: 0.1195 - acc: 0.956 - E
TA: 3:50 - loss: 0.1198 - acc: 0.956 - ETA: 3:50 - loss: 0.1196 - acc: 0.956
- ETA: 3:49 - loss: 0.1202 - acc: 0.956 - ETA: 3:48 - loss: 0.1200 - acc: 0.
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0.956 - ETA: 3:47 - loss: 0.1208 - acc: 0.956 - ETA: 3:46 - loss: 0.1205 - a
cc: 0.956 - ETA: 3:45 - loss: 0.1201 - acc: 0.956 - ETA: 3:45 - loss: 0.1196

- acc: 0.956 - ETA: 3:44 - loss: 0.1197 - acc: 0.956 - ETA: 3:44 - loss: 0.1200 - acc: 0.956 - ETA: 3:43 - loss: 0.1206 - acc: 0.956 - ETA: 3:42 - loss: 0.1206 - acc: 0.956 - ETA: 3:42 - loss: 0.1202 - acc: 0.956 - ETA: 3:41 - loss: 0.1208 - acc: 0.956 - ETA: 3:41 - loss: 0.1207 - acc: 0.956 - ETA: 3:40 - loss: 0.1207 - acc: 0.956 - ETA: 3:40 - loss: 0.1205 - acc: 0.956 - ETA: 3:39 - loss: 0.1201 - acc: 0.957 - ETA: 3:39 - loss: 0.1206 - acc: 0.956 - ETA: 3:38 - loss: 0.1207 - acc: 0.956 - ETA: 3:38 - loss: 0.1205 - acc: 0.956 - ETA: 3:37 - loss: 0.1210 - acc: 0.956 - ETA: 3:36 - loss: 0.1212 - acc: 0.956 - ETA: 3:36 - loss: 0.1208 - acc: 0.956 - ETA: 3:35 - loss: 0.1207 - acc: 0.956 - ETA: 3:34 - loss: 0.1204 - acc: 0.956 - ETA: 3:34 - loss: 0.1199 - acc: 0.956 - ETA: 3:33 - loss: 0.1193 - acc: 0.957 - ETA: 3:32 - loss: 0.1197 - acc: 0.957 - ETA: 3:32 - loss: 0.1192 - acc: 0.957 - ETA: 3:31 - loss: 0.1197 - acc: 0.956 - ETA: 3:30 - loss: 0.1196 - acc: 0.956 - ETA: 3:30 - loss: 0.1202 - acc: 0.956 - ETA: 3:29 - loss: 0.1202 - acc: 0.956 - ETA: 3:28 - loss: 0.1200 - acc: 0.956 - ETA: 3:28 - loss: 0.1200 - acc: 0.956 - ETA: 3:27 - loss: 0.1204 - acc: 0.956 - ETA: 3:27 - loss: 0.1200 - acc: 0.956 - ETA: 3:26 - loss: 0.1200 - acc: 0.956 - ETA: 3:26 - loss: 0.1203 - acc: 0.956 - ETA: 3:25 - loss: 0.1201 - acc: 0.956 - ETA: 3:24 - loss: 0.1206 - acc: 0.956 - ETA: 3:24 - loss: 0.1201 - acc: 0.956 - ETA: 3:23 - loss: 0.1204 - acc: 0.955 - ETA: 3:23 - loss: 0.1210 - acc: 0.955 - ETA: 3:22 - loss: 0.1211 - acc: 0.955 - ETA: 3:22 - loss: 0.1214 - acc: 0.955 - ETA: 3:21 - loss: 0.1212 - acc: 0.955 - ETA: 3:21 - loss: 0.1209 - acc: 0.955 - ETA: 3:20 - loss: 0.1206 - acc: 0.955 - ETA: 3:20 - loss: 0.1205 - acc: 0.955 - ETA: 3:19 - loss: 0.1210 - acc: 0.955 - ETA: 3:18 - loss: 0.1206 - acc: 0.955 - ETA: 3:18 - loss: 0.1205 - acc: 0.955 - ETA: 3:17 - loss: 0.1207 - acc: 0.955 - ETA: 3:17 - loss: 0.1212 - acc: 0.955 - ETA: 3:16 - loss: 0.1210 - acc: 0.955 - ETA: 3:15 - loss: 0.1206 - acc: 0.955 - ETA: 3:15 - loss: 0.1204 - acc: 0.955 - ETA: 3:14 - loss: 0.1209 - acc: 0.955 - ETA: 3:14 - loss: 0.1206 - acc: 0.955 - ETA: 3:13 - loss: 0.1201 - acc: 0.956 - ETA: 3:12 - loss: 0.1208 - acc: 0.955 - ETA: 3:12 - loss: 0.1205 - acc: 0.955 - ETA: 3:11 - loss: 0.1205 - acc: 0.955 - ETA: 3:11 - loss: 0.1203 - acc: 0.956 - ETA: 3:10 - loss: 0.1198 - acc: 0.956 - ETA: 3:09 - loss: 0.1194 - acc: 0.956 - ETA: 3:09 - loss: 0.1194 - acc: 0.956 - ETA: 3:08 - loss: 0.1192 - acc: 0.956 - ETA: 3:07 - loss: 0.1193 - acc: 0.956 - ETA: 3:07 - loss: 0.1197 - acc: 0.955 - ETA: 3:06 - loss: 0.1200 - acc: 0.955 - ETA: 3:06 - loss: 0.1198 - acc: 0.956 - ETA: 3:05 - loss: 0.1198 - acc: 0.956 - ETA: 3:05 - loss: 0.1198 - acc: 0.955 - ETA: 3:04 - loss: 0.1196 - acc: 0.956 - ETA: 3:03 - loss: 0.1192 - acc: 0.956 - ETA: 3:03 - loss: 0.1199 - acc: 0.956 - ETA: 3:02 - loss: 0.1196 - acc: 0.956 - ETA: 3:02 - loss: 0.1196 - acc: 0.956 - ETA: 3:01 - loss: 0.1194 - acc: 0.956 - ETA: 3:00 - loss: 0.1189 - acc: 0.956 - ETA: 3:00 - loss: 0.1186 - acc: 0.956 - ETA: 2:59 - loss: 0.1185 - acc: 0.956 - ETA: 2:59 - loss: 0.1186 - acc: 0.956 - ETA: 2:58 - loss: 0.1188 - acc: 0.956 - ETA: 2:58 - loss: 0.1186 - acc: 0.956 - ETA: 2:57 - loss: 0.1191 - acc: 0.956 - ETA: 2:56 - loss: 0.1192 - acc: 0.956 - ETA: 2:56 - loss: 0.1190 - acc: 0.956 - ETA: 2:55 - loss: 0.1188 - acc: 0.956326112/32249 [=====>.....] - ETA: 2:55 - loss: 0.1187 - acc: 0.956 - ETA: 2:54 - loss: 0.1188 - acc: 0.956 - ETA: 2:53 - loss: 0.1192 - acc: 0.956 - ETA: 2:53 - loss: 0.1200 - acc: 0.956 - ETA: 2:52 - loss: 0.1202 - acc: 0.956 - ETA: 2:52 - loss: 0.1204 - acc: 0.956 - ETA: 2:51 - loss: 0.1203 - acc: 0.955 - ETA: 2:51 - loss: 0.1211 - acc: 0.955 - ETA: 2:50 - loss: 0.1207 - acc: 0.955 - ETA: 2:49 - loss: 0.1210 - acc: 0.955 - ETA: 2:49 - loss: 0.1209 - acc: 0.955 - ETA: 2:48 - loss: 0.1211 - acc: 0.955 - ETA: 2:48 - loss: 0.1211 - acc: 0.955 - ETA: 2:47 - loss: 0.1211 - acc: 0.955 - ETA: 2:47 - loss: 0.1210 - acc: 0.955 - ETA: 2:46 - loss: 0.1212 - acc: 0.955 - ETA: 2:45 - loss: 0.1211 - acc: 0.955 - ETA: 2:45 - loss: 0.1210 - acc: 0.955 - ETA: 2:44 - loss: 0.1211 - acc: 0.955 - ETA: 2:43 - loss: 0.1214 - acc: 0.955 - ETA: 2:43 - loss: 0.1216 - acc: 0.955 - ETA: 2:42 - loss: 0.1215 - acc: 0.955 - ETA: 2:42 - loss: 0.1216 - acc: 0.955 - ETA: 2:41 - loss: 0.1215 - acc:

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- ETA: 1:35 - loss: 0.1243 - acc: 0.954 - ETA: 1:35 - loss: 0.1242 - acc: 0.
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TA: 1:23 - loss: 0.1251 - acc: 0.953 - ETA: 1:22 - loss: 0.1256 - acc: 0.953
- ETA: 1:22 - loss: 0.1255 - acc: 0.953 - ETA: 1:21 - loss: 0.1255 - acc: 0.
953 - ETA: 1:21 - loss: 0.1256 - acc: 0.953 - ETA: 1:20 - loss: 0.1255 - acc:
0.953 - ETA: 1:20 - loss: 0.1257 - acc: 0.953 - ETA: 1:19 - loss: 0.1258 - a
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- acc: 0.953 - ETA: 1:17 - loss: 0.1260 - acc: 0.953 - ETA: 1:17 - loss: 0.1
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loss: 0.1267 - acc: 0.953 - ETA: 1:13 - loss: 0.1269 - acc: 0.953 - ETA: 1:1
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1:11 - loss: 0.1273 - acc: 0.953 - ETA: 1:10 - loss: 0.1273 - acc: 0.953 - E
TA: 1:10 - loss: 0.1272 - acc: 0.953 - ETA: 1:09 - loss: 0.1271 - acc: 0.953
- ETA: 1:08 - loss: 0.1271 - acc: 0.953 - ETA: 1:08 - loss: 0.1271 - acc: 0.
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0.953 - ETA: 1:06 - loss: 0.1273 - acc: 0.953 - ETA: 1:06 - loss: 0.1272 - a
cc: 0.953 - ETA: 1:05 - loss: 0.1272 - acc: 0.953 - ETA: 1:04 - loss: 0.1273
- acc: 0.953 - ETA: 1:04 - loss: 0.1272 - acc: 0.953 - ETA: 1:03 - loss: 0.1
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loss: 0.1271 - acc: 0.953 - ETA: 59s - loss: 0.1273 - acc: 0.953 - ETA: 58s
- loss: 0.1274 - acc: 0.95 - ETA: 58s - loss: 0.1274 - acc: 0.95 - ETA: 57s
- loss: 0.1273 - acc: 0.95 - ETA: 57s - loss: 0.1274 - acc: 0.95 - ETA: 56s
- loss: 0.1274 - acc: 0.95 - ETA: 56s - loss: 0.1273 - acc: 0.953132249/3224
9 [=====] - ETA: 55s - loss: 0.1272 - acc: 0.95 - ET
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A: 52s - loss: 0.1272 - acc: 0.95 - ETA: 51s - loss: 0.1274 - acc: 0.95 - ET
A: 51s - loss: 0.1275 - acc: 0.95 - ETA: 50s - loss: 0.1275 - acc: 0.95 - ET
A: 50s - loss: 0.1276 - acc: 0.95 - ETA: 49s - loss: 0.1278 - acc: 0.95 - ET
A: 49s - loss: 0.1277 - acc: 0.95 - ETA: 48s - loss: 0.1276 - acc: 0.95 - ET
A: 47s - loss: 0.1279 - acc: 0.95 - ETA: 47s - loss: 0.1277 - acc: 0.95 - ET
A: 46s - loss: 0.1276 - acc: 0.95 - ETA: 46s - loss: 0.1279 - acc: 0.95 - ET
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A: 36s - loss: 0.1290 - acc: 0.95 - ETA: 35s - loss: 0.1289 - acc: 0.95 - ET
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A: 31s - loss: 0.1291 - acc: 0.95 - ETA: 30s - loss: 0.1292 - acc: 0.95 - ET
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A: 29s - loss: 0.1297 - acc: 0.95 - ETA: 28s - loss: 0.1295 - acc: 0.95 - ET
A: 27s - loss: 0.1296 - acc: 0.95 - ETA: 27s - loss: 0.1296 - acc: 0.95 - ET
A: 26s - loss: 0.1297 - acc: 0.95 - ETA: 26s - loss: 0.1295 - acc: 0.95 - ET
A: 25s - loss: 0.1295 - acc: 0.95 - ETA: 25s - loss: 0.1296 - acc: 0.95 - ET
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A: 19s - loss: 0.1300 - acc: 0.95 - ETA: 19s - loss: 0.1301 - acc: 0.95 - ET
A: 18s - loss: 0.1303 - acc: 0.95 - ETA: 18s - loss: 0.1302 - acc: 0.95 - ET
A: 17s - loss: 0.1305 - acc: 0.95 - ETA: 16s - loss: 0.1306 - acc: 0.95 - ET
A: 16s - loss: 0.1305 - acc: 0.95 - ETA: 15s - loss: 0.1305 - acc: 0.95 - ET
A: 15s - loss: 0.1305 - acc: 0.95 - ETA: 14s - loss: 0.1306 - acc: 0.95 - ET
A: 13s - loss: 0.1306 - acc: 0.95 - ETA: 13s - loss: 0.1306 - acc: 0.95 - ET
A: 12s - loss: 0.1308 - acc: 0.95 - ETA: 12s - loss: 0.1307 - acc: 0.95 - ET
A: 11s - loss: 0.1308 - acc: 0.95 - ETA: 11s - loss: 0.1307 - acc: 0.95 - ET
A: 10s - loss: 0.1306 - acc: 0.95 - ETA: 9s - loss: 0.1308 - acc: 0.9516 - ET
A: 9s - loss: 0.1311 - acc: 0.951 - ETA: 8s - loss: 0.1311 - acc: 0.951 - ET
A: 8s - loss: 0.1312 - acc: 0.951 - ETA: 7s - loss: 0.1312 - acc: 0.951 - ET
A: 6s - loss: 0.1312 - acc: 0.951 - ETA: 6s - loss: 0.1312 - acc: 0.951 - ET
A: 5s - loss: 0.1315 - acc: 0.951 - ETA: 5s - loss: 0.1318 - acc: 0.951 - ET
A: 4s - loss: 0.1320 - acc: 0.951 - ETA: 4s - loss: 0.1320 - acc: 0.951 - ET
A: 3s - loss: 0.1319 - acc: 0.951 - ETA: 2s - loss: 0.1319 - acc: 0.951 - ET
A: 2s - loss: 0.1318 - acc: 0.951 - ETA: 1s - loss: 0.1318 - acc: 0.951 - ET
A: 1s - loss: 0.1318 - acc: 0.951 - ETA: 0s - loss: 0.1319 - acc: 0.951 - 294
s 9ms/step - loss: 0.1319 - acc: 0.9514

Epoch 5/5

13056/32249 [=====>.....] - ETA: 4:51 - loss: 0.0580 - ac
c: 0.984 - ETA: 4:49 - loss: 0.0533 - acc: 0.992 - ETA: 4:47 - loss: 0.0576 -
acc: 0.984 - ETA: 4:47 - loss: 0.0781 - acc: 0.976 - ETA: 4:46 - loss: 0.076
5 - acc: 0.978 - ETA: 4:45 - loss: 0.0879 - acc: 0.971 - ETA: 4:45 - loss: 0.
0875 - acc: 0.971 - ETA: 4:48 - loss: 0.0929 - acc: 0.966 - ETA: 4:50 - loss:
0.0913 - acc: 0.967 - ETA: 4:52 - loss: 0.0859 - acc: 0.970 - ETA: 4:51 - lo
ss: 0.0860 - acc: 0.970 - ETA: 4:50 - loss: 0.0898 - acc: 0.967 - ETA: 4:47 -
loss: 0.0849 - acc: 0.970 - ETA: 4:44 - loss: 0.0860 - acc: 0.968 - ETA: 4:4
1 - loss: 0.0839 - acc: 0.969 - ETA: 4:41 - loss: 0.0827 - acc: 0.970 - ETA:
4:40 - loss: 0.0842 - acc: 0.970 - ETA: 4:40 - loss: 0.0841 - acc: 0.970 - E
TA: 4:39 - loss: 0.0865 - acc: 0.969 - ETA: 4:38 - loss: 0.0860 - acc: 0.970
- ETA: 4:38 - loss: 0.0855 - acc: 0.971 - ETA: 4:37 - loss: 0.0835 - acc: 0.
972 - ETA: 4:37 - loss: 0.0846 - acc: 0.972 - ETA: 4:36 - loss: 0.0843 - acc:
0.972 - ETA: 4:36 - loss: 0.0871 - acc: 0.971 - ETA: 4:35 - loss: 0.0893 - a
cc: 0.970 - ETA: 4:34 - loss: 0.0896 - acc: 0.969 - ETA: 4:34 - loss: 0.0907
- acc: 0.968 - ETA: 4:33 - loss: 0.0898 - acc: 0.968 - ETA: 4:33 - loss: 0.0
893 - acc: 0.968 - ETA: 4:32 - loss: 0.0919 - acc: 0.967 - ETA: 4:32 - loss:
0.0953 - acc: 0.966 - ETA: 4:31 - loss: 0.0941 - acc: 0.967 - ETA: 4:31 - lo
ss: 0.0938 - acc: 0.967 - ETA: 4:30 - loss: 0.0952 - acc: 0.967 - ETA: 4:31 -
loss: 0.0956 - acc: 0.967 - ETA: 4:31 - loss: 0.0976 - acc: 0.967 - ETA: 4:3
1 - loss: 0.0981 - acc: 0.967 - ETA: 4:30 - loss: 0.0967 - acc: 0.967 - ETA:
4:30 - loss: 0.0958 - acc: 0.968 - ETA: 4:29 - loss: 0.0956 - acc: 0.968 - E
TA: 4:29 - loss: 0.0961 - acc: 0.967 - ETA: 4:28 - loss: 0.0961 - acc: 0.968
- ETA: 4:27 - loss: 0.0957 - acc: 0.968 - ETA: 4:27 - loss: 0.0946 - acc: 0.
968 - ETA: 4:26 - loss: 0.0938 - acc: 0.968 - ETA: 4:25 - loss: 0.0928 - acc:
0.969 - ETA: 4:25 - loss: 0.0947 - acc: 0.968 - ETA: 4:24 - loss: 0.0951 - a
cc: 0.968 - ETA: 4:23 - loss: 0.0950 - acc: 0.968 - ETA: 4:22 - loss: 0.0952

- acc: 0.968 - ETA: 4:22 - loss: 0.0950 - acc: 0.968 - ETA: 4:21 - loss: 0.0952 - acc: 0.968 - ETA: 4:20 - loss: 0.0954 - acc: 0.968 - ETA: 4:20 - loss: 0.0941 - acc: 0.968 - ETA: 4:18 - loss: 0.0945 - acc: 0.968 - ETA: 4:17 - loss: 0.0940 - acc: 0.968 - ETA: 4:16 - loss: 0.0945 - acc: 0.968 - ETA: 4:16 - loss: 0.0935 - acc: 0.969 - ETA: 4:15 - loss: 0.0938 - acc: 0.969 - ETA: 4:15 - loss: 0.0936 - acc: 0.969 - ETA: 4:14 - loss: 0.0932 - acc: 0.969 - ETA: 4:14 - loss: 0.0927 - acc: 0.969 - ETA: 4:13 - loss: 0.0920 - acc: 0.969 - ETA: 4:13 - loss: 0.0921 - acc: 0.969 - ETA: 4:13 - loss: 0.0915 - acc: 0.969 - ETA: 4:12 - loss: 0.0937 - acc: 0.969 - ETA: 4:12 - loss: 0.0931 - acc: 0.969 - ETA: 4:11 - loss: 0.0926 - acc: 0.969 - ETA: 4:11 - loss: 0.0925 - acc: 0.969 - ETA: 4:10 - loss: 0.0929 - acc: 0.969 - ETA: 4:10 - loss: 0.0930 - acc: 0.968 - ETA: 4:09 - loss: 0.0925 - acc: 0.969 - ETA: 4:08 - loss: 0.0926 - acc: 0.969 - ETA: 4:08 - loss: 0.0924 - acc: 0.969 - ETA: 4:07 - loss: 0.0918 - acc: 0.969 - ETA: 4:07 - loss: 0.0924 - acc: 0.969 - ETA: 4:06 - loss: 0.0918 - acc: 0.969 - ETA: 4:06 - loss: 0.0912 - acc: 0.970 - ETA: 4:04 - loss: 0.0920 - acc: 0.969 - ETA: 4:04 - loss: 0.0935 - acc: 0.969 - ETA: 4:03 - loss: 0.0935 - acc: 0.969 - ETA: 4:03 - loss: 0.0933 - acc: 0.969 - ETA: 4:02 - loss: 0.0931 - acc: 0.969 - ETA: 4:01 - loss: 0.0925 - acc: 0.969 - ETA: 4:01 - loss: 0.0936 - acc: 0.969 - ETA: 4:00 - loss: 0.0933 - acc: 0.969 - ETA: 4:00 - loss: 0.0932 - acc: 0.969 - ETA: 3:59 - loss: 0.0940 - acc: 0.969 - ETA: 3:59 - loss: 0.0934 - acc: 0.969 - ETA: 3:58 - loss: 0.0938 - acc: 0.969 - ETA: 3:58 - loss: 0.0940 - acc: 0.969 - ETA: 3:57 - loss: 0.0945 - acc: 0.969 - ETA: 3:57 - loss: 0.0943 - acc: 0.969 - ETA: 3:56 - loss: 0.0948 - acc: 0.968 - ETA: 3:56 - loss: 0.0950 - acc: 0.968 - ETA: 3:55 - loss: 0.0950 - acc: 0.968 - ETA: 3:54 - loss: 0.0951 - acc: 0.968 - ETA: 3:53 - loss: 0.0968 - acc: 0.968 - ETA: 3:53 - loss: 0.0977 - acc: 0.967 - ETA: 3:52 - loss: 0.0980 - acc: 0.967 - ETA: 3:51 - loss: 0.0984 - acc: 0.967 - ETA: 3:51 - loss: 0.0981 - acc: 0.967 - ETA: 3:50 - loss: 0.0984 - acc: 0.967 - ETA: 3:50 - loss: 0.0983 - acc: 0.967 - ETA: 3:49 - loss: 0.0984 - acc: 0.967 - ETA: 3:48 - loss: 0.0993 - acc: 0.966 - ETA: 3:48 - loss: 0.1000 - acc: 0.966 - ETA: 3:47 - loss: 0.0999 - acc: 0.966 - ETA: 3:47 - loss: 0.1004 - acc: 0.966 - ETA: 3:46 - loss: 0.1005 - acc: 0.966 - ETA: 3:46 - loss: 0.1007 - acc: 0.966 - ETA: 3:45 - loss: 0.1013 - acc: 0.966 - ETA: 3:44 - loss: 0.1017 - acc: 0.965 - ETA: 3:44 - loss: 0.1016 - acc: 0.965 - ETA: 3:43 - loss: 0.1018 - acc: 0.965 - ETA: 3:43 - loss: 0.1017 - acc: 0.965 - ETA: 3:42 - loss: 0.1021 - acc: 0.965 - ETA: 3:42 - loss: 0.1028 - acc: 0.965 - ETA: 3:42 - loss: 0.1029 - acc: 0.964 - ETA: 3:41 - loss: 0.1026 - acc: 0.964 - ETA: 3:40 - loss: 0.1027 - acc: 0.964 - ETA: 3:40 - loss: 0.1024 - acc: 0.964 - ETA: 3:39 - loss: 0.1023 - acc: 0.964 - ETA: 3:39 - loss: 0.1019 - acc: 0.965 - ETA: 3:38 - loss: 0.1028 - acc: 0.964 - ETA: 3:38 - loss: 0.1024 - acc: 0.965 - ETA: 3:37 - loss: 0.1019 - acc: 0.965 - ETA: 3:37 - loss: 0.1015 - acc: 0.965 - ETA: 3:36 - loss: 0.1026 - acc: 0.965 - ETA: 3:35 - loss: 0.1022 - acc: 0.965 - ETA: 3:35 - loss: 0.1018 - acc: 0.965 - ETA: 3:34 - loss: 0.1017 - acc: 0.965 - ETA: 3:34 - loss: 0.1012 - acc: 0.965 - ETA: 3:33 - loss: 0.1010 - acc: 0.965 - ETA: 3:33 - loss: 0.1007 - acc: 0.965 - ETA: 3:32 - loss: 0.1016 - acc: 0.965 - ETA: 3:31 - loss: 0.1014 - acc: 0.965 - ETA: 3:31 - loss: 0.1010 - acc: 0.965 - ETA: 3:30 - loss: 0.1016 - acc: 0.965 - ETA: 3:29 - loss: 0.1015 - acc: 0.965 - ETA: 3:29 - loss: 0.1013 - acc: 0.965 - ETA: 3:28 - loss: 0.1015 - acc: 0.965 - ETA: 3:28 - loss: 0.1013 - acc: 0.965 - ETA: 3:27 - loss: 0.1018 - acc: 0.965 - ETA: 3:27 - loss: 0.1019 - acc: 0.965 - ETA: 3:26 - loss: 0.1015 - acc: 0.965 - ETA: 3:26 - loss: 0.1018 - acc: 0.965 - ETA: 3:25 - loss: 0.1014 - acc: 0.965 - ETA: 3:25 - loss: 0.1019 - acc: 0.965 - ETA: 3:24 - loss: 0.1016 - acc: 0.965 - ETA: 3:24 - loss: 0.1020 - acc: 0.965 - ETA: 3:23 - loss: 0.1033 - acc: 0.965 - ETA: 3:22 - loss: 0.1033 - acc: 0.965 - ETA: 3:22 - loss: 0.1038 - acc: 0.964 - ETA: 3:21 - loss: 0.1038 - acc: 0.964 - ETA: 3:21 - loss: 0.1038 - acc: 0.964 - ETA: 3:20 - loss: 0.1038 - acc: 0.964 - ETA: 3:19 - loss: 0.1037 - acc: 0.

964 - ETA: 3:19 - loss: 0.1039 - acc: 0.964 - ETA: 3:18 - loss: 0.1037 - acc: 0.964 - ETA: 3:18 - loss: 0.1037 - acc: 0.964 - ETA: 3:17 - loss: 0.1038 - acc: 0.964 - ETA: 3:17 - loss: 0.1041 - acc: 0.964 - ETA: 3:16 - loss: 0.1041 - acc: 0.964 - ETA: 3:16 - loss: 0.1040 - acc: 0.964 - ETA: 3:15 - loss: 0.1043 - acc: 0.964 - ETA: 3:15 - loss: 0.1039 - acc: 0.964 - ETA: 3:14 - loss: 0.1042 - acc: 0.964 - ETA: 3:13 - loss: 0.1039 - acc: 0.964 - ETA: 3:13 - loss: 0.1039 - acc: 0.964 - ETA: 3:13 - loss: 0.1037 - acc: 0.964 - ETA: 3:12 - loss: 0.1033 - acc: 0.964 - ETA: 3:12 - loss: 0.1032 - acc: 0.964 - ETA: 3:11 - loss: 0.1031 - acc: 0.964 - ETA: 3:11 - loss: 0.1032 - acc: 0.964 - ETA: 3:10 - loss: 0.1031 - acc: 0.964 - ETA: 3:09 - loss: 0.1026 - acc: 0.964 - ETA: 3:09 - loss: 0.1026 - acc: 0.964 - ETA: 3:08 - loss: 0.1022 - acc: 0.964 - ETA: 3:08 - loss: 0.1028 - acc: 0.964 - ETA: 3:07 - loss: 0.1025 - acc: 0.964 - ETA: 3:06 - loss: 0.1021 - acc: 0.964 - ETA: 3:06 - loss: 0.1018 - acc: 0.964 - ETA: 3:05 - loss: 0.1019 - acc: 0.964 - ETA: 3:05 - loss: 0.1018 - acc: 0.964 - ETA: 3:04 - loss: 0.1020 - acc: 0.964 - ETA: 3:03 - loss: 0.1019 - acc: 0.964 - ETA: 3:03 - loss: 0.1020 - acc: 0.964 - ETA: 3:02 - loss: 0.1018 - acc: 0.964 - ETA: 3:02 - loss: 0.1014 - acc: 0.964 - ETA: 3:01 - loss: 0.1013 - acc: 0.964 - ETA: 3:01 - loss: 0.1012 - acc: 0.964 - ETA: 3:00 - loss: 0.1016 - acc: 0.964 - ETA: 2:59 - loss: 0.1015 - acc: 0.964 - ETA: 2:59 - loss: 0.1016 - acc: 0.964 - ETA: 2:58 - loss: 0.1018 - acc: 0.964 - ETA: 2:58 - loss: 0.1018 - acc: 0.964 - ETA: 2:57 - loss: 0.1014 - acc: 0.964 - ETA: 2:57 - loss: 0.1016 - acc: 0.964 - ETA: 2:56 - loss: 0.1015 - acc: 0.965 - ETA: 2:56 - loss: 0.1017 - acc: 0.964 - ETA: 2:55 - loss: 0.1018 - acc: 0.964726112/32249 [=====] - ETA: 2:55 - loss: 0.1021 - acc: 0.964 - ETA: 2:54 - loss: 0.1017 - acc: 0.964 - ETA: 2:53 - loss: 0.1019 - acc: 0.964 - ETA: 2:53 - loss: 0.1020 - acc: 0.964 - ETA: 2:52 - loss: 0.1019 - acc: 0.964 - ETA: 2:52 - loss: 0.1018 - acc: 0.964 - ETA: 2:51 - loss: 0.1020 - acc: 0.964 - ETA: 2:50 - loss: 0.1021 - acc: 0.964 - ETA: 2:50 - loss: 0.1019 - acc: 0.964 - ETA: 2:49 - loss: 0.1018 - acc: 0.964 - ETA: 2:49 - loss: 0.1022 - acc: 0.964 - ETA: 2:48 - loss: 0.1021 - acc: 0.964 - ETA: 2:48 - loss: 0.1025 - acc: 0.964 - ETA: 2:47 - loss: 0.1023 - acc: 0.964 - ETA: 2:46 - loss: 0.1020 - acc: 0.964 - ETA: 2:46 - loss: 0.1018 - acc: 0.964 - ETA: 2:45 - loss: 0.1019 - acc: 0.964 - ETA: 2:45 - loss: 0.1019 - acc: 0.964 - ETA: 2:44 - loss: 0.1020 - acc: 0.964 - ETA: 2:43 - loss: 0.1019 - acc: 0.964 - ETA: 2:43 - loss: 0.1019 - acc: 0.964 - ETA: 2:42 - loss: 0.1016 - acc: 0.964 - ETA: 2:42 - loss: 0.1018 - acc: 0.964 - ETA: 2:41 - loss: 0.1016 - acc: 0.964 - ETA: 2:40 - loss: 0.1013 - acc: 0.964 - ETA: 2:40 - loss: 0.1014 - acc: 0.964 - ETA: 2:39 - loss: 0.1013 - acc: 0.964 - ETA: 2:39 - loss: 0.1021 - acc: 0.964 - ETA: 2:38 - loss: 0.1020 - acc: 0.964 - ETA: 2:38 - loss: 0.1020 - acc: 0.964 - ETA: 2:37 - loss: 0.1019 - acc: 0.964 - ETA: 2:36 - loss: 0.1022 - acc: 0.964 - ETA: 2:36 - loss: 0.1024 - acc: 0.964 - ETA: 2:35 - loss: 0.1022 - acc: 0.964 - ETA: 2:35 - loss: 0.1026 - acc: 0.964 - ETA: 2:34 - loss: 0.1025 - acc: 0.964 - ETA: 2:33 - loss: 0.1027 - acc: 0.964 - ETA: 2:33 - loss: 0.1028 - acc: 0.964 - ETA: 2:32 - loss: 0.1027 - acc: 0.964 - ETA: 2:32 - loss: 0.1027 - acc: 0.964 - ETA: 2:31 - loss: 0.1033 - acc: 0.964 - ETA: 2:31 - loss: 0.1034 - acc: 0.964 - ETA: 2:30 - loss: 0.1036 - acc: 0.964 - ETA: 2:29 - loss: 0.1035 - acc: 0.964 - ETA: 2:29 - loss: 0.1036 - acc: 0.964 - ETA: 2:28 - loss: 0.1033 - acc: 0.964 - ETA: 2:28 - loss: 0.1039 - acc: 0.964 - ETA: 2:27 - loss: 0.1038 - acc: 0.964 - ETA: 2:26 - loss: 0.1039 - acc: 0.964 - ETA: 2:26 - loss: 0.1038 - acc: 0.964 - ETA: 2:25 - loss: 0.1037 - acc: 0.964 - ETA: 2:25 - loss: 0.1039 - acc: 0.964 - ETA: 2:24 - loss: 0.1038 - acc: 0.964 - ETA: 2:24 - loss: 0.1041 - acc: 0.964 - ETA: 2:23 - loss: 0.1041 - acc: 0.964 - ETA: 2:23 - loss: 0.1042 - acc: 0.963 - ETA: 2:22 - loss: 0.1040 - acc: 0.964 - ETA: 2:21 - loss: 0.1040 - acc: 0.964 - ETA: 2:21 - loss: 0.1040 - acc: 0.963 - ETA: 2:20 - loss: 0.1042 - acc: 0.963 - ETA: 2:20 - loss: 0.1040 - acc: 0.963 - ETA: 2:19 - loss: 0.1040 - acc: 0.963 - ETA: 2:18 - loss: 0.1039 - acc: 0.964 - ETA: 2:18 - loss: 0.1039 - acc: 0.964 - E

TA: 2:17 - loss: 0.1042 - acc: 0.963 - ETA: 2:17 - loss: 0.1041 - acc: 0.963
- ETA: 2:16 - loss: 0.1041 - acc: 0.963 - ETA: 2:15 - loss: 0.1041 - acc: 0.
963 - ETA: 2:15 - loss: 0.1039 - acc: 0.964 - ETA: 2:14 - loss: 0.1038 - acc:
0.964 - ETA: 2:14 - loss: 0.1037 - acc: 0.964 - ETA: 2:13 - loss: 0.1037 - a
cc: 0.964 - ETA: 2:13 - loss: 0.1035 - acc: 0.964 - ETA: 2:12 - loss: 0.1035
- acc: 0.964 - ETA: 2:11 - loss: 0.1035 - acc: 0.964 - ETA: 2:11 - loss: 0.1
035 - acc: 0.964 - ETA: 2:10 - loss: 0.1037 - acc: 0.964 - ETA: 2:10 - loss:
0.1036 - acc: 0.964 - ETA: 2:09 - loss: 0.1037 - acc: 0.964 - ETA: 2:09 - lo
ss: 0.1034 - acc: 0.964 - ETA: 2:08 - loss: 0.1034 - acc: 0.964 - ETA: 2:07 -
loss: 0.1037 - acc: 0.964 - ETA: 2:07 - loss: 0.1037 - acc: 0.964 - ETA: 2:0
6 - loss: 0.1035 - acc: 0.964 - ETA: 2:06 - loss: 0.1038 - acc: 0.964 - ETA:
2:05 - loss: 0.1038 - acc: 0.964 - ETA: 2:05 - loss: 0.1041 - acc: 0.964 - E
TA: 2:04 - loss: 0.1044 - acc: 0.963 - ETA: 2:03 - loss: 0.1053 - acc: 0.963
- ETA: 2:03 - loss: 0.1053 - acc: 0.963 - ETA: 2:02 - loss: 0.1051 - acc: 0.
963 - ETA: 2:02 - loss: 0.1054 - acc: 0.963 - ETA: 2:01 - loss: 0.1056 - acc:
0.963 - ETA: 2:00 - loss: 0.1059 - acc: 0.963 - ETA: 2:00 - loss: 0.1059 - a
cc: 0.963 - ETA: 1:59 - loss: 0.1061 - acc: 0.963 - ETA: 1:59 - loss: 0.1063
- acc: 0.963 - ETA: 1:58 - loss: 0.1065 - acc: 0.962 - ETA: 1:57 - loss: 0.1
067 - acc: 0.962 - ETA: 1:57 - loss: 0.1068 - acc: 0.962 - ETA: 1:56 - loss:
0.1068 - acc: 0.962 - ETA: 1:56 - loss: 0.1068 - acc: 0.962 - ETA: 1:55 - lo
ss: 0.1069 - acc: 0.962 - ETA: 1:55 - loss: 0.1069 - acc: 0.962 - ETA: 1:54 -
loss: 0.1070 - acc: 0.962 - ETA: 1:53 - loss: 0.1068 - acc: 0.962 - ETA: 1:5
3 - loss: 0.1066 - acc: 0.962 - ETA: 1:52 - loss: 0.1064 - acc: 0.962 - ETA:
1:52 - loss: 0.1063 - acc: 0.962 - ETA: 1:51 - loss: 0.1063 - acc: 0.962 - E
TA: 1:50 - loss: 0.1062 - acc: 0.962 - ETA: 1:50 - loss: 0.1063 - acc: 0.962
- ETA: 1:49 - loss: 0.1061 - acc: 0.962 - ETA: 1:49 - loss: 0.1062 - acc: 0.
962 - ETA: 1:48 - loss: 0.1061 - acc: 0.962 - ETA: 1:48 - loss: 0.1063 - acc:
0.962 - ETA: 1:47 - loss: 0.1063 - acc: 0.962 - ETA: 1:46 - loss: 0.1063 - a
cc: 0.962 - ETA: 1:46 - loss: 0.1062 - acc: 0.962 - ETA: 1:45 - loss: 0.1061
- acc: 0.962 - ETA: 1:45 - loss: 0.1061 - acc: 0.962 - ETA: 1:44 - loss: 0.1
060 - acc: 0.962 - ETA: 1:43 - loss: 0.1061 - acc: 0.962 - ETA: 1:43 - loss:
0.1064 - acc: 0.962 - ETA: 1:42 - loss: 0.1062 - acc: 0.962 - ETA: 1:42 - lo
ss: 0.1063 - acc: 0.962 - ETA: 1:41 - loss: 0.1063 - acc: 0.962 - ETA: 1:41 -
loss: 0.1061 - acc: 0.962 - ETA: 1:40 - loss: 0.1062 - acc: 0.962 - ETA: 1:3
9 - loss: 0.1061 - acc: 0.962 - ETA: 1:39 - loss: 0.1062 - acc: 0.962 - ETA:
1:38 - loss: 0.1061 - acc: 0.962 - ETA: 1:38 - loss: 0.1066 - acc: 0.962 - E
TA: 1:37 - loss: 0.1066 - acc: 0.962 - ETA: 1:37 - loss: 0.1070 - acc: 0.962
- ETA: 1:36 - loss: 0.1071 - acc: 0.962 - ETA: 1:35 - loss: 0.1072 - acc: 0.
962 - ETA: 1:35 - loss: 0.1072 - acc: 0.962 - ETA: 1:34 - loss: 0.1072 - acc:
0.962 - ETA: 1:34 - loss: 0.1071 - acc: 0.962 - ETA: 1:33 - loss: 0.1072 - a
cc: 0.962 - ETA: 1:33 - loss: 0.1072 - acc: 0.962 - ETA: 1:32 - loss: 0.1076
- acc: 0.962 - ETA: 1:31 - loss: 0.1077 - acc: 0.962 - ETA: 1:31 - loss: 0.1
076 - acc: 0.962 - ETA: 1:30 - loss: 0.1077 - acc: 0.962 - ETA: 1:30 - loss:
0.1076 - acc: 0.962 - ETA: 1:29 - loss: 0.1078 - acc: 0.962 - ETA: 1:28 - lo
ss: 0.1080 - acc: 0.962 - ETA: 1:28 - loss: 0.1079 - acc: 0.962 - ETA: 1:27 -
loss: 0.1079 - acc: 0.962 - ETA: 1:27 - loss: 0.1080 - acc: 0.962 - ETA: 1:2
6 - loss: 0.1081 - acc: 0.962 - ETA: 1:25 - loss: 0.1079 - acc: 0.962 - ETA:
1:25 - loss: 0.1078 - acc: 0.962 - ETA: 1:24 - loss: 0.1077 - acc: 0.962 - E
TA: 1:24 - loss: 0.1074 - acc: 0.962 - ETA: 1:23 - loss: 0.1074 - acc: 0.962
- ETA: 1:23 - loss: 0.1078 - acc: 0.962 - ETA: 1:22 - loss: 0.1078 - acc: 0.
962 - ETA: 1:21 - loss: 0.1078 - acc: 0.962 - ETA: 1:21 - loss: 0.1078 - acc:
0.962 - ETA: 1:20 - loss: 0.1077 - acc: 0.962 - ETA: 1:20 - loss: 0.1080 - a
cc: 0.962 - ETA: 1:19 - loss: 0.1079 - acc: 0.962 - ETA: 1:18 - loss: 0.1077
- acc: 0.962 - ETA: 1:18 - loss: 0.1077 - acc: 0.962 - ETA: 1:17 - loss: 0.1
081 - acc: 0.962 - ETA: 1:17 - loss: 0.1085 - acc: 0.961 - ETA: 1:16 - loss:
0.1088 - acc: 0.961 - ETA: 1:16 - loss: 0.1089 - acc: 0.961 - ETA: 1:15 - lo
ss: 0.1088 - acc: 0.961 - ETA: 1:14 - loss: 0.1087 - acc: 0.961 - ETA: 1:14 -

loss: 0.1086 - acc: 0.962 - ETA: 1:13 - loss: 0.1087 - acc: 0.962 - ETA: 1:13 - loss: 0.1086 - acc: 0.962 - ETA: 1:12 - loss: 0.1088 - acc: 0.962 - ETA: 1:11 - loss: 0.1088 - acc: 0.962 - ETA: 1:11 - loss: 0.1089 - acc: 0.962 - ETA: 1:10 - loss: 0.1087 - acc: 0.962 - ETA: 1:10 - loss: 0.1088 - acc: 0.962 - ETA: 1:09 - loss: 0.1087 - acc: 0.962 - ETA: 1:08 - loss: 0.1088 - acc: 0.961 - ETA: 1:08 - loss: 0.1087 - acc: 0.961 - ETA: 1:07 - loss: 0.1090 - acc: 0.961 - ETA: 1:07 - loss: 0.1092 - acc: 0.961 - ETA: 1:06 - loss: 0.1090 - acc: 0.961 - ETA: 1:06 - loss: 0.1093 - acc: 0.961 - ETA: 1:05 - loss: 0.1094 - acc: 0.961 - ETA: 1:04 - loss: 0.1098 - acc: 0.961 - ETA: 1:04 - loss: 0.1096 - acc: 0.961 - ETA: 1:03 - loss: 0.1098 - acc: 0.961 - ETA: 1:03 - loss: 0.1096 - acc: 0.961 - ETA: 1:02 - loss: 0.1095 - acc: 0.961 - ETA: 1:01 - loss: 0.1096 - acc: 0.961 - ETA: 1:01 - loss: 0.1097 - acc: 0.961 - ETA: 1:00 - loss: 0.1098 - acc: 0.961 - ETA: 1:00 - loss: 0.1099 - acc: 0.961 - ETA: 59s - loss: 0.1100 - acc: 0.961 - ETA: 58s - loss: 0.1099 - acc: 0.96 - ETA: 58s - loss: 0.1100 - acc: 0.96 - ETA: 57s - loss: 0.1100 - acc: 0.96 - ETA: 57s - loss: 0.1099 - acc: 0.96 - ETA: 56s - loss: 0.1104 - acc: 0.961132249/32249 [=====] - ETA: 56s - loss: 0.1104 - acc: 0.96 - ETA: 55s - loss: 0.1107 - acc: 0.96 - ETA: 54s - loss: 0.1107 - acc: 0.96 - ETA: 54s - loss: 0.1109 - acc: 0.96 - ETA: 53s - loss: 0.1112 - acc: 0.96 - ETA: 53s - loss: 0.1115 - acc: 0.96 - ETA: 52s - loss: 0.1118 - acc: 0.96 - ETA: 51s - loss: 0.1118 - acc: 0.96 - ETA: 51s - loss: 0.1119 - acc: 0.96 - ETA: 50s - loss: 0.1119 - acc: 0.96 - ETA: 50s - loss: 0.1120 - acc: 0.96 - ETA: 49s - loss: 0.1120 - acc: 0.96 - ETA: 48s - loss: 0.1121 - acc: 0.96 - ETA: 48s - loss: 0.1122 - acc: 0.96 - ETA: 47s - loss: 0.1125 - acc: 0.96 - ETA: 47s - loss: 0.1125 - acc: 0.96 - ETA: 46s - loss: 0.1124 - acc: 0.96 - ETA: 46s - loss: 0.1125 - acc: 0.96 - ETA: 45s - loss: 0.1124 - acc: 0.96 - ETA: 44s - loss: 0.1123 - acc: 0.96 - ETA: 44s - loss: 0.1122 - acc: 0.96 - ETA: 43s - loss: 0.1122 - acc: 0.96 - ETA: 43s - loss: 0.1121 - acc: 0.96 - ETA: 42s - loss: 0.1120 - acc: 0.96 - ETA: 41s - loss: 0.1121 - acc: 0.96 - ETA: 41s - loss: 0.1120 - acc: 0.96 - ETA: 40s - loss: 0.1120 - acc: 0.96 - ETA: 40s - loss: 0.1118 - acc: 0.96 - ETA: 39s - loss: 0.1120 - acc: 0.96 - ETA: 38s - loss: 0.1118 - acc: 0.96 - ETA: 38s - loss: 0.1117 - acc: 0.96 - ETA: 37s - loss: 0.1117 - acc: 0.96 - ETA: 37s - loss: 0.1119 - acc: 0.96 - ETA: 36s - loss: 0.1116 - acc: 0.96 - ETA: 35s - loss: 0.1119 - acc: 0.96 - ETA: 35s - loss: 0.1120 - acc: 0.96 - ETA: 34s - loss: 0.1120 - acc: 0.96 - ETA: 34s - loss: 0.1120 - acc: 0.96 - ETA: 33s - loss: 0.1121 - acc: 0.96 - ETA: 33s - loss: 0.1120 - acc: 0.96 - ETA: 32s - loss: 0.1122 - acc: 0.96 - ETA: 31s - loss: 0.1123 - acc: 0.96 - ETA: 31s - loss: 0.1123 - acc: 0.96 - ETA: 30s - loss: 0.1121 - acc: 0.96 - ETA: 30s - loss: 0.1122 - acc: 0.96 - ETA: 29s - loss: 0.1122 - acc: 0.96 - ETA: 28s - loss: 0.1121 - acc: 0.96 - ETA: 28s - loss: 0.1123 - acc: 0.96 - ETA: 27s - loss: 0.1125 - acc: 0.96 - ETA: 27s - loss: 0.1124 - acc: 0.96 - ETA: 26s - loss: 0.1123 - acc: 0.96 - ETA: 25s - loss: 0.1123 - acc: 0.96 - ETA: 25s - loss: 0.1122 - acc: 0.96 - ETA: 24s - loss: 0.1122 - acc: 0.96 - ETA: 24s - loss: 0.1123 - acc: 0.96 - ETA: 23s - loss: 0.1121 - acc: 0.96 - ETA: 22s - loss: 0.1122 - acc: 0.96 - ETA: 22s - loss: 0.1122 - acc: 0.96 - ETA: 21s - loss: 0.1121 - acc: 0.96 - ETA: 21s - loss: 0.1121 - acc: 0.96 - ETA: 20s - loss: 0.1120 - acc: 0.96 - ETA: 20s - loss: 0.1121 - acc: 0.96 - ETA: 19s - loss: 0.1121 - acc: 0.96 - ETA: 18s - loss: 0.1120 - acc: 0.96 - ETA: 18s - loss: 0.1121 - acc: 0.96 - ETA: 17s - loss: 0.1124 - acc: 0.96 - ETA: 17s - loss: 0.1126 - acc: 0.96 - ETA: 16s - loss: 0.1126 - acc: 0.96 - ETA: 15s - loss: 0.1126 - acc: 0.96 - ETA: 15s - loss: 0.1125 - acc: 0.96 - ETA: 14s - loss: 0.1123 - acc: 0.96 - ETA: 14s - loss: 0.1123 - acc: 0.96 - ETA: 13s - loss: 0.1123 - acc: 0.96 - ETA: 12s - loss: 0.1124 - acc: 0.96 - ETA: 12s - loss: 0.1125 - acc: 0.96 - ETA: 11s - loss: 0.1125 - acc: 0.96 - ETA: 11s - loss: 0.1124 - acc: 0.96 - ETA: 10s - loss: 0.1123 - acc: 0.96 - ETA: 9s - loss: 0.1124 - acc: 0.9606 - ETA: 9s - loss: 0.1123 - acc: 0.960 - ETA: 8s - loss: 0.1122 - acc: 0.960 - ETA

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- ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - E
TA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA:
- ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ET
A: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: -
ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - ETA: - 39s
3ms/step
Accuracy: 91.32%

Model 2

```
In [46]: embedding_vecor_length = 32
model1 = Sequential()
model1.add(Embedding(5000, embedding_vecor_length, input_length=max_review_len
gth))
model1.add(LSTM(100, return_sequences=True))
model1.add(LSTM(100))
model1.add(Dense(1, activation='sigmoid'))
model1.compile(loss='binary_crossentropy', optimizer='adam', metrics=['accurac
y'])
print(model1.summary())
```

Layer (type)	Output Shape	Param #
=====		
embedding_3 (Embedding)	(None, 500, 32)	160000

lstm_3 (LSTM)	(None, 500, 100)	53200

lstm_4 (LSTM)	(None, 100)	80400

dense_3 (Dense)	(None, 1)	101
=====		
Total params: 293,701		
Trainable params: 293,701		
Non-trainable params: 0		

None		

```
In [47]: model1.fit(X_train, y_train, nb_epoch=3, batch_size=64)
          scores = model1.evaluate(X_test, y_test, verbose=0)
          print("Accuracy: %.2f%%" % (scores[1]*100))
```

Epoch 1/3

13056/32249 [=====>.....] - ETA: 27:32 - loss: 0.6931 - acc: 0.53 - ETA: 20:10 - loss: 0.6896 - acc: 0.67 - ETA: 17:13 - loss: 0.6865 - acc: 0.71 - ETA: 15:36 - loss: 0.6815 - acc: 0.74 - ETA: 14:39 - loss: 0.6751 - acc: 0.77 - ETA: 14:00 - loss: 0.6722 - acc: 0.76 - ETA: 13:37 - loss: 0.6647 - acc: 0.76 - ETA: 13:15 - loss: 0.6538 - acc: 0.76 - ETA: 12:58 - loss: 0.6430 - acc: 0.76 - ETA: 12:44 - loss: 0.6177 - acc: 0.77 - ETA: 12:31 - loss: 0.6262 - acc: 0.77 - ETA: 12:21 - loss: 0.6132 - acc: 0.78 - ETA: 12:14 - loss: 0.6006 - acc: 0.78 - ETA: 12:10 - loss: 0.5905 - acc: 0.78 - ETA: 12:04 - loss: 0.5794 - acc: 0.79 - ETA: 11:58 - loss: 0.5711 - acc: 0.79 - ETA: 11:53 - loss: 0.5696 - acc: 0.79 - ETA: 11:48 - loss: 0.5635 - acc: 0.79 - ETA: 11:43 - loss: 0.5601 - acc: 0.79 - ETA: 11:38 - loss: 0.5535 - acc: 0.79 - ETA: 11:34 - loss: 0.5549 - acc: 0.79 - ETA: 11:32 - loss: 0.5503 - acc: 0.79 - ETA: 11:31 - loss: 0.5488 - acc: 0.79 - ETA: 11:27 - loss: 0.5450 - acc: 0.79 - ETA: 11:24 - loss: 0.5418 - acc: 0.79 - ETA: 11:23 - loss: 0.5409 - acc: 0.79 - ETA: 11:20 - loss: 0.5340 - acc: 0.79 - ETA: 11:17 - loss: 0.5288 - acc: 0.80 - ETA: 11:14 - loss: 0.5251 - acc: 0.80 - ETA: 11:11 - loss: 0.5246 - acc: 0.80 - ETA: 11:08 - loss: 0.5213 - acc: 0.80 - ETA: 11:06 - loss: 0.5215 - acc: 0.80 - ETA: 11:04 - loss: 0.5246 - acc: 0.80 - ETA: 11:01 - loss: 0.5219 - acc: 0.80 - ETA: 10:59 - loss: 0.5181 - acc: 0.80 - ETA: 10:57 - loss: 0.5195 - acc: 0.80 - ETA: 10:55 - loss: 0.5196 - acc: 0.80 - ETA: 10:54 - loss: 0.5152 - acc: 0.80 - ETA: 10:52 - loss: 0.5134 - acc: 0.80 - ETA: 10:50 - loss: 0.5110 - acc: 0.80 - ETA: 10:48 - loss: 0.5103 - acc: 0.80 - ETA: 10:46 - loss: 0.5073 - acc: 0.80 - ETA: 10:44 - loss: 0.5057 - acc: 0.80 - ETA: 10:42 - loss: 0.5026 - acc: 0.80 - ETA: 10:39 - loss: 0.5007 - acc: 0.81 - ETA: 10:37 - loss: 0.5004 - acc: 0.81 - ETA: 10:35 - loss: 0.4987 - acc: 0.81 - ETA: 10:34 - loss: 0.4984 - acc: 0.81 - ETA: 10:32 - loss: 0.4975 - acc: 0.81 - ETA: 10:31 - loss: 0.4952 - acc: 0.81 - ETA: 10:30 - loss: 0.4946 - acc: 0.81 - ETA: 10:28 - loss: 0.4931 - acc: 0.81 - ETA: 10:26 - loss: 0.4912 - acc: 0.81 - ETA: 10:24 - loss: 0.4898 - acc: 0.81 - ETA: 10:22 - loss: 0.4905 - acc: 0.81 - ETA: 10:20 - loss: 0.4894 - acc: 0.81 - ETA: 10:18 - loss: 0.4872 - acc: 0.81 - ETA: 10:17 - loss: 0.4860 - acc: 0.81 - ETA: 10:15 - loss: 0.4856 - acc: 0.81 - ETA: 10:13 - loss: 0.4840 - acc: 0.81 - ETA: 10:13 - loss: 0.4826 - acc: 0.81 - ETA: 10:12 - loss: 0.4794 - acc: 0.81 - ETA: 10:11 - loss: 0.4779 - acc: 0.81 - ETA: 10:09 - loss: 0.4752 - acc: 0.81 - ETA: 10:08 - loss: 0.4741 - acc: 0.81 - ETA: 10:06 - loss: 0.4727 - acc: 0.81 - ETA: 10:05 - loss: 0.4724 - acc: 0.81 - ETA: 10:03 - loss: 0.4708 - acc: 0.81 - ETA: 10:02 - loss: 0.4681 - acc: 0.81 - ETA: 10:00 - loss: 0.4654 - acc: 0.81 - ETA: 9:59 - loss: 0.4632 - acc: 0.8169 - ETA: 9:58 - loss: 0.4616 - acc: 0.817 - ETA: 9:57 - loss: 0.4590 - acc: 0.818 - ETA: 9:56 - loss: 0.4573 - acc: 0.819 - ETA: 9:54 - loss: 0.4538 - acc: 0.820 - ETA: 9:53 - loss: 0.4543 - acc: 0.820 - ETA: 9:51 - loss: 0.4525 - acc: 0.821 - ETA: 9:50 - loss: 0.4506 - acc: 0.821 - ETA: 9:48 - loss: 0.4481 - acc: 0.822 - ETA: 9:47 - loss: 0.4458 - acc: 0.823 - ETA: 9:45 - loss: 0.4449 - acc: 0.824 - ETA: 9:44 - loss: 0.4423 - acc: 0.824 - ETA: 9:42 - loss: 0.4408 - acc: 0.825 - ETA: 9:41 - loss: 0.4386 - acc: 0.825 - ETA: 9:40 - loss: 0.4355 - acc: 0.827 - ETA: 9:38 - loss: 0.4348 - acc: 0.827 - ETA: 9:37 - loss: 0.4329 - acc: 0.828 - ETA: 9:35 - loss: 0.4304 - acc: 0.829 - ETA: 9:34 - loss: 0.4291 - acc: 0.830 - ETA: 9:32 - loss: 0.4281 - acc: 0.831 - ETA: 9:31 - loss: 0.4252 - acc: 0.831 - ETA: 9:29 - loss: 0.4235 - acc: 0.832 - ETA: 9:28 - loss: 0.4218 - acc: 0.832 - ETA: 9:26 - loss: 0.4200 - acc: 0.833 - ETA: 9:25 - loss: 0.4184 - acc: 0.834 - ETA: 9:24 - loss: 0.4179 - acc: 0.834 - ETA: 9:22 - loss: 0.4166 - acc: 0.834 - ETA: 9:21 - loss: 0.4157 - acc: 0.835 - ETA: 9:19 - loss: 0.4136 - acc: 0.835 - ETA: 9:18 - loss: 0.4119 - acc: 0.836 - ETA: 9:16 - loss: 0.4098 - acc: 0.837 - ETA: 9:15 - loss: 0.4084 - acc: 0.838 - ETA: 9:14 - loss: 0.4086 - acc: 0.838 - ETA: 9:12 - loss: 0.4073 - acc: 0.838 - ETA: 9:11 - loss: 0.4063 - acc: 0.838 - ETA: 9:10 - loss: 0.4053 - acc: 0.838 - ETA: 9:09 - loss: 0.4039 - acc: 0.839 - ET

```
26112/32249 [=====>.....] - ETA: 7:00 - loss: 0.3314 - ac
c: 0.867 - ETA: 6:59 - loss: 0.3314 - acc: 0.867 - ETA: 6:57 - loss: 0.3309 -
acc: 0.867 - ETA: 6:56 - loss: 0.3308 - acc: 0.867 - ETA: 6:55 - loss: 0.3301
- acc: 0.868 - ETA: 6:53 - loss: 0.3295 - acc: 0.868 - ETA: 6:52 - loss: 0.32
90 - acc: 0.868 - ETA: 6:51 - loss: 0.3286 - acc: 0.868 - ETA: 6:49 - loss:
```

0.3282 - acc: 0.868 - ETA: 6:48 - loss: 0.3286 - acc: 0.868 - ETA: 6:46 - loss: 0.3280 - acc: 0.868 - ETA: 6:45 - loss: 0.3272 - acc: 0.869 - ETA: 6:44 - loss: 0.3266 - acc: 0.869 - ETA: 6:42 - loss: 0.3260 - acc: 0.869 - ETA: 6:41 - loss: 0.3262 - acc: 0.869 - ETA: 6:40 - loss: 0.3255 - acc: 0.870 - ETA: 6:38 - loss: 0.3248 - acc: 0.870 - ETA: 6:37 - loss: 0.3245 - acc: 0.870 - ETA: 6:36 - loss: 0.3240 - acc: 0.870 - ETA: 6:34 - loss: 0.3234 - acc: 0.870 - ETA: 6:33 - loss: 0.3231 - acc: 0.871 - ETA: 6:31 - loss: 0.3228 - acc: 0.871 - ETA: 6:30 - loss: 0.3220 - acc: 0.871 - ETA: 6:29 - loss: 0.3220 - acc: 0.871 - ETA: 6:27 - loss: 0.3224 - acc: 0.871 - ETA: 6:26 - loss: 0.3223 - acc: 0.871 - ETA: 6:25 - loss: 0.3220 - acc: 0.871 - ETA: 6:23 - loss: 0.3214 - acc: 0.871 - ETA: 6:22 - loss: 0.3206 - acc: 0.872 - ETA: 6:20 - loss: 0.3203 - acc: 0.871 - ETA: 6:19 - loss: 0.3197 - acc: 0.872 - ETA: 6:18 - loss: 0.3196 - acc: 0.872 - ETA: 6:16 - loss: 0.3191 - acc: 0.872 - ETA: 6:15 - loss: 0.3184 - acc: 0.872 - ETA: 6:13 - loss: 0.3178 - acc: 0.872 - ETA: 6:12 - loss: 0.3175 - acc: 0.872 - ETA: 6:11 - loss: 0.3171 - acc: 0.873 - ETA: 6:09 - loss: 0.3168 - acc: 0.873 - ETA: 6:08 - loss: 0.3164 - acc: 0.873 - ETA: 6:06 - loss: 0.3156 - acc: 0.873 - ETA: 6:05 - loss: 0.3156 - acc: 0.873 - ETA: 6:04 - loss: 0.3151 - acc: 0.873 - ETA: 6:02 - loss: 0.3144 - acc: 0.874 - ETA: 6:01 - loss: 0.3144 - acc: 0.874 - ETA: 5:59 - loss: 0.3140 - acc: 0.874 - ETA: 5:58 - loss: 0.3139 - acc: 0.874 - ETA: 5:57 - loss: 0.3139 - acc: 0.874 - ETA: 5:55 - loss: 0.3134 - acc: 0.874 - ETA: 5:54 - loss: 0.3130 - acc: 0.874 - ETA: 5:53 - loss: 0.3127 - acc: 0.874 - ETA: 5:51 - loss: 0.3128 - acc: 0.874 - ETA: 5:50 - loss: 0.3133 - acc: 0.874 - ETA: 5:48 - loss: 0.3128 - acc: 0.874 - ETA: 5:47 - loss: 0.3125 - acc: 0.874 - ETA: 5:45 - loss: 0.3122 - acc: 0.875 - ETA: 5:44 - loss: 0.3120 - acc: 0.875 - ETA: 5:43 - loss: 0.3113 - acc: 0.875 - ETA: 5:41 - loss: 0.3109 - acc: 0.875 - ETA: 5:40 - loss: 0.3107 - acc: 0.875 - ETA: 5:39 - loss: 0.3103 - acc: 0.875 - ETA: 5:37 - loss: 0.3102 - acc: 0.875 - ETA: 5:36 - loss: 0.3099 - acc: 0.875 - ETA: 5:34 - loss: 0.3093 - acc: 0.876 - ETA: 5:33 - loss: 0.3096 - acc: 0.875 - ETA: 5:31 - loss: 0.3092 - acc: 0.876 - ETA: 5:30 - loss: 0.3090 - acc: 0.876 - ETA: 5:29 - loss: 0.3090 - acc: 0.875 - ETA: 5:27 - loss: 0.3088 - acc: 0.876 - ETA: 5:26 - loss: 0.3085 - acc: 0.876 - ETA: 5:24 - loss: 0.3080 - acc: 0.876 - ETA: 5:23 - loss: 0.3075 - acc: 0.876 - ETA: 5:22 - loss: 0.3073 - acc: 0.876 - ETA: 5:20 - loss: 0.3071 - acc: 0.876 - ETA: 5:19 - loss: 0.3069 - acc: 0.876 - ETA: 5:17 - loss: 0.3065 - acc: 0.877 - ETA: 5:16 - loss: 0.3060 - acc: 0.877 - ETA: 5:15 - loss: 0.3060 - acc: 0.877 - ETA: 5:13 - loss: 0.3062 - acc: 0.877 - ETA: 5:12 - loss: 0.3055 - acc: 0.877 - ETA: 5:10 - loss: 0.3054 - acc: 0.877 - ETA: 5:09 - loss: 0.3049 - acc: 0.877 - ETA: 5:08 - loss: 0.3045 - acc: 0.878 - ETA: 5:06 - loss: 0.3044 - acc: 0.878 - ETA: 5:05 - loss: 0.3044 - acc: 0.877 - ETA: 5:04 - loss: 0.3042 - acc: 0.878 - ETA: 5:02 - loss: 0.3040 - acc: 0.878 - ETA: 5:01 - loss: 0.3039 - acc: 0.878 - ETA: 4:59 - loss: 0.3039 - acc: 0.878 - ETA: 4:58 - loss: 0.3032 - acc: 0.878 - ETA: 4:56 - loss: 0.3034 - acc: 0.878 - ETA: 4:55 - loss: 0.3039 - acc: 0.878 - ETA: 4:54 - loss: 0.3037 - acc: 0.878 - ETA: 4:52 - loss: 0.3035 - acc: 0.878 - ETA: 4:51 - loss: 0.3033 - acc: 0.878 - ETA: 4:50 - loss: 0.3030 - acc: 0.878 - ETA: 4:48 - loss: 0.3030 - acc: 0.878 - ETA: 4:47 - loss: 0.3028 - acc: 0.878 - ETA: 4:45 - loss: 0.3027 - acc: 0.878 - ETA: 4:44 - loss: 0.3027 - acc: 0.878 - ETA: 4:43 - loss: 0.3029 - acc: 0.878 - ETA: 4:41 - loss: 0.3028 - acc: 0.878 - ETA: 4:40 - loss: 0.3024 - acc: 0.878 - ETA: 4:38 - loss: 0.3027 - acc: 0.878 - ETA: 4:37 - loss: 0.3022 - acc: 0.878 - ETA: 4:36 - loss: 0.3019 - acc: 0.878 - ETA: 4:34 - loss: 0.3017 - acc: 0.878 - ETA: 4:33 - loss: 0.3018 - acc: 0.878 - ETA: 4:31 - loss: 0.3019 - acc: 0.878 - ETA: 4:30 - loss: 0.3014 - acc: 0.879 - ETA: 4:29 - loss: 0.3010 - acc: 0.879 - ETA: 4:27 - loss: 0.3009 - acc: 0.879 - ETA: 4:26 - loss: 0.3009 - acc: 0.879 - ETA: 4:25 - loss: 0.3006 - acc: 0.879 - ETA: 4:23 - loss: 0.3004 - acc: 0.879 - ETA: 4:22 - loss: 0.2999 - acc: 0.879 - ETA: 4:20 - loss: 0.2992 - acc: 0.880 - ETA: 4:19 - loss: 0.2991 - acc: 0.880 - ETA: 4:18 - loss: 0.2985 - acc: 0.880 - ETA: 4:16 - loss: 0.2983 -

acc: 0.880 - ETA: 4:15 - loss: 0.2979 - acc: 0.880 - ETA: 4:13 - loss: 0.2976
- acc: 0.880 - ETA: 4:12 - loss: 0.2972 - acc: 0.880 - ETA: 4:11 - loss: 0.29
70 - acc: 0.881 - ETA: 4:09 - loss: 0.2966 - acc: 0.881 - ETA: 4:08 - loss:
0.2966 - acc: 0.881 - ETA: 4:06 - loss: 0.2962 - acc: 0.881 - ETA: 4:05 - los
s: 0.2959 - acc: 0.881 - ETA: 4:04 - loss: 0.2954 - acc: 0.881 - ETA: 4:02 -
loss: 0.2957 - acc: 0.881 - ETA: 4:01 - loss: 0.2957 - acc: 0.881 - ETA: 3:59
- loss: 0.2956 - acc: 0.881 - ETA: 3:58 - loss: 0.2956 - acc: 0.881 - ETA: 3:
56 - loss: 0.2956 - acc: 0.881 - ETA: 3:55 - loss: 0.2956 - acc: 0.881 - ETA:
3:54 - loss: 0.2955 - acc: 0.881 - ETA: 3:52 - loss: 0.2954 - acc: 0.881 - ET
A: 3:51 - loss: 0.2953 - acc: 0.881 - ETA: 3:49 - loss: 0.2952 - acc: 0.881 -
ETA: 3:48 - loss: 0.2946 - acc: 0.881 - ETA: 3:47 - loss: 0.2942 - acc: 0.881
- ETA: 3:45 - loss: 0.2942 - acc: 0.882 - ETA: 3:44 - loss: 0.2940 - acc: 0.8
82 - ETA: 3:42 - loss: 0.2937 - acc: 0.882 - ETA: 3:41 - loss: 0.2936 - acc:
0.882 - ETA: 3:40 - loss: 0.2932 - acc: 0.882 - ETA: 3:38 - loss: 0.2932 - ac
c: 0.882 - ETA: 3:37 - loss: 0.2931 - acc: 0.882 - ETA: 3:35 - loss: 0.2930 -
acc: 0.882 - ETA: 3:34 - loss: 0.2934 - acc: 0.882 - ETA: 3:33 - loss: 0.2933
- acc: 0.882 - ETA: 3:31 - loss: 0.2929 - acc: 0.882 - ETA: 3:30 - loss: 0.29
29 - acc: 0.882 - ETA: 3:28 - loss: 0.2928 - acc: 0.882 - ETA: 3:27 - loss:
0.2925 - acc: 0.883 - ETA: 3:25 - loss: 0.2925 - acc: 0.883 - ETA: 3:24 - los
s: 0.2924 - acc: 0.882 - ETA: 3:23 - loss: 0.2926 - acc: 0.882 - ETA: 3:21 -
loss: 0.2924 - acc: 0.882 - ETA: 3:20 - loss: 0.2921 - acc: 0.883 - ETA: 3:18
- loss: 0.2921 - acc: 0.883 - ETA: 3:17 - loss: 0.2917 - acc: 0.883 - ETA: 3:
16 - loss: 0.2917 - acc: 0.883 - ETA: 3:14 - loss: 0.2914 - acc: 0.883 - ETA:
3:13 - loss: 0.2911 - acc: 0.883 - ETA: 3:11 - loss: 0.2907 - acc: 0.883 - ET
A: 3:10 - loss: 0.2909 - acc: 0.883 - ETA: 3:08 - loss: 0.2910 - acc: 0.883 -
ETA: 3:07 - loss: 0.2911 - acc: 0.883 - ETA: 3:06 - loss: 0.2907 - acc: 0.883
- ETA: 3:04 - loss: 0.2906 - acc: 0.883 - ETA: 3:03 - loss: 0.2903 - acc: 0.8
83 - ETA: 3:01 - loss: 0.2902 - acc: 0.883 - ETA: 3:00 - loss: 0.2899 - acc:
0.883 - ETA: 2:59 - loss: 0.2900 - acc: 0.883 - ETA: 2:57 - loss: 0.2897 - ac
c: 0.883 - ETA: 2:56 - loss: 0.2894 - acc: 0.883 - ETA: 2:54 - loss: 0.2892 -
acc: 0.883 - ETA: 2:53 - loss: 0.2889 - acc: 0.884 - ETA: 2:52 - loss: 0.2886
- acc: 0.884 - ETA: 2:50 - loss: 0.2884 - acc: 0.884 - ETA: 2:49 - loss: 0.28
83 - acc: 0.884 - ETA: 2:47 - loss: 0.2881 - acc: 0.884 - ETA: 2:46 - loss:
0.2879 - acc: 0.884 - ETA: 2:44 - loss: 0.2874 - acc: 0.884 - ETA: 2:43 - los
s: 0.2871 - acc: 0.884 - ETA: 2:42 - loss: 0.2872 - acc: 0.884 - ETA: 2:40 -
loss: 0.2874 - acc: 0.884 - ETA: 2:39 - loss: 0.2872 - acc: 0.884 - ETA: 2:37
- loss: 0.2871 - acc: 0.884 - ETA: 2:36 - loss: 0.2869 - acc: 0.885 - ETA: 2:
35 - loss: 0.2867 - acc: 0.885 - ETA: 2:33 - loss: 0.2865 - acc: 0.885 - ETA:
2:32 - loss: 0.2863 - acc: 0.885 - ETA: 2:30 - loss: 0.2861 - acc: 0.885 - ET
A: 2:29 - loss: 0.2860 - acc: 0.885 - ETA: 2:28 - loss: 0.2858 - acc: 0.885 -
ETA: 2:26 - loss: 0.2856 - acc: 0.885 - ETA: 2:25 - loss: 0.2852 - acc: 0.885
- ETA: 2:23 - loss: 0.2848 - acc: 0.885 - ETA: 2:22 - loss: 0.2846 - acc: 0.8
85 - ETA: 2:20 - loss: 0.2843 - acc: 0.886 - ETA: 2:19 - loss: 0.2841 - acc:
0.886 - ETA: 2:18 - loss: 0.2840 - acc: 0.886 - ETA: 2:16 - loss: 0.2839 - ac
c: 0.886132249/32249 [=====] - ETA: 2:15 - loss: 0.2
841 - acc: 0.886 - ETA: 2:13 - loss: 0.2841 - acc: 0.885 - ETA: 2:12 - loss:
0.2838 - acc: 0.886 - ETA: 2:11 - loss: 0.2835 - acc: 0.886 - ETA: 2:09 - los
s: 0.2835 - acc: 0.886 - ETA: 2:08 - loss: 0.2833 - acc: 0.886 - ETA: 2:06 -
loss: 0.2833 - acc: 0.886 - ETA: 2:05 - loss: 0.2834 - acc: 0.886 - ETA: 2:03
- loss: 0.2832 - acc: 0.886 - ETA: 2:02 - loss: 0.2829 - acc: 0.886 - ETA: 2:
01 - loss: 0.2830 - acc: 0.886 - ETA: 1:59 - loss: 0.2828 - acc: 0.886 - ETA:
1:58 - loss: 0.2825 - acc: 0.886 - ETA: 1:56 - loss: 0.2822 - acc: 0.886 - ET
A: 1:55 - loss: 0.2824 - acc: 0.886 - ETA: 1:54 - loss: 0.2820 - acc: 0.886 -
ETA: 1:52 - loss: 0.2819 - acc: 0.886 - ETA: 1:51 - loss: 0.2820 - acc: 0.886
- ETA: 1:49 - loss: 0.2821 - acc: 0.886 - ETA: 1:48 - loss: 0.2819 - acc: 0.8
87 - ETA: 1:46 - loss: 0.2817 - acc: 0.887 - ETA: 1:45 - loss: 0.2815 - acc:
0.887 - ETA: 1:44 - loss: 0.2811 - acc: 0.887 - ETA: 1:42 - loss: 0.2808 - ac

c: 0.887 - ETA: 1:41 - loss: 0.2805 - acc: 0.887 - ETA: 1:39 - loss: 0.2805 - acc: 0.887 - ETA: 1:38 - loss: 0.2806 - acc: 0.887 - ETA: 1:36 - loss: 0.2803 - acc: 0.887 - ETA: 1:35 - loss: 0.2804 - acc: 0.887 - ETA: 1:34 - loss: 0.2804 - acc: 0.887 - ETA: 1:32 - loss: 0.2806 - acc: 0.887 - ETA: 1:31 - loss: 0.2806 - acc: 0.887 - ETA: 1:29 - loss: 0.2803 - acc: 0.887 - ETA: 1:28 - loss: 0.2803 - acc: 0.887 - ETA: 1:26 - loss: 0.2800 - acc: 0.887 - ETA: 1:25 - loss: 0.2799 - acc: 0.887 - ETA: 1:24 - loss: 0.2797 - acc: 0.888 - ETA: 1:22 - loss: 0.2798 - acc: 0.888 - ETA: 1:21 - loss: 0.2797 - acc: 0.888 - ETA: 1:19 - loss: 0.2797 - acc: 0.888 - ETA: 1:18 - loss: 0.2795 - acc: 0.888 - ETA: 1:16 - loss: 0.2792 - acc: 0.888 - ETA: 1:15 - loss: 0.2788 - acc: 0.888 - ETA: 1:14 - loss: 0.2790 - acc: 0.888 - ETA: 1:12 - loss: 0.2787 - acc: 0.888 - ETA: 1:11 - loss: 0.2789 - acc: 0.888 - ETA: 1:09 - loss: 0.2789 - acc: 0.888 - ETA: 1:08 - loss: 0.2785 - acc: 0.888 - ETA: 1:07 - loss: 0.2787 - acc: 0.888 - ETA: 1:05 - loss: 0.2786 - acc: 0.888 - ETA: 1:04 - loss: 0.2784 - acc: 0.888 - ETA: 1:02 - loss: 0.2785 - acc: 0.888 - ETA: 1:01 - loss: 0.2782 - acc: 0.889 - ETA: 59s - loss: 0.2780 - acc: 0.889 - ETA: 58s - loss: 0.2778 - acc: 0.88 - ETA: 57s - loss: 0.2778 - acc: 0.88 - ETA: 55s - loss: 0.2777 - acc: 0.88 - ETA: 54s - loss: 0.2778 - acc: 0.88 - ETA: 52s - loss: 0.2779 - acc: 0.88 - ETA: 51s - loss: 0.2778 - acc: 0.88 - ETA: 49s - loss: 0.2775 - acc: 0.88 - ETA: 48s - loss: 0.2772 - acc: 0.88 - ETA: 47s - loss: 0.2771 - acc: 0.88 - ETA: 45s - loss: 0.2768 - acc: 0.88 - ETA: 44s - loss: 0.2768 - acc: 0.88 - ETA: 42s - loss: 0.2766 - acc: 0.88 - ETA: 41s - loss: 0.2764 - acc: 0.88 - ETA: 39s - loss: 0.2763 - acc: 0.88 - ETA: 38s - loss: 0.2760 - acc: 0.88 - ETA: 37s - loss: 0.2757 - acc: 0.89 - ETA: 35s - loss: 0.2754 - acc: 0.89 - ETA: 34s - loss: 0.2752 - acc: 0.89 - ETA: 32s - loss: 0.2750 - acc: 0.89 - ETA: 31s - loss: 0.2747 - acc: 0.89 - ETA: 29s - loss: 0.2747 - acc: 0.89 - ETA: 28s - loss: 0.2746 - acc: 0.89 - ETA: 27s - loss: 0.2746 - acc: 0.89 - ETA: 25s - loss: 0.2747 - acc: 0.89 - ETA: 24s - loss: 0.2746 - acc: 0.89 - ETA: 22s - loss: 0.2744 - acc: 0.89 - ETA: 21s - loss: 0.2742 - acc: 0.89 - ETA: 19s - loss: 0.2740 - acc: 0.89 - ETA: 18s - loss: 0.2739 - acc: 0.89 - ETA: 17s - loss: 0.2737 - acc: 0.89 - ETA: 15s - loss: 0.2736 - acc: 0.89 - ETA: 14s - loss: 0.2736 - acc: 0.89 - ETA: 12s - loss: 0.2735 - acc: 0.89 - ETA: 11s - loss: 0.2734 - acc: 0.89 - ETA: 9s - loss: 0.2733 - acc: 0.8911 - ETA: 8s - loss: 0.2732 - acc: 0.891 - ETA: 7s - loss: 0.2732 - acc: 0.891 - ETA: 5s - loss: 0.2732 - acc: 0.891 - ETA: 4s - loss: 0.2729 - acc: 0.891 - ETA: 2s - loss: 0.2727 - acc: 0.891 - ETA: 1s - loss: 0.2725 - acc: 0.891 - 722s 22ms/step - loss: 0.2724 - acc: 0.8916

Epoch 2/3

13056/32249 [=====>.....] - ETA: 11:34 - loss: 0.1565 - acc: 0.93 - ETA: 11:58 - loss: 0.1810 - acc: 0.93 - ETA: 12:05 - loss: 0.2083 - acc: 0.90 - ETA: 11:58 - loss: 0.2051 - acc: 0.90 - ETA: 11:50 - loss: 0.2014 - acc: 0.90 - ETA: 11:48 - loss: 0.1870 - acc: 0.91 - ETA: 11:45 - loss: 0.1896 - acc: 0.91 - ETA: 11:41 - loss: 0.1738 - acc: 0.91 - ETA: 11:39 - loss: 0.1707 - acc: 0.92 - ETA: 11:36 - loss: 0.1796 - acc: 0.92 - ETA: 11:34 - loss: 0.1734 - acc: 0.92 - ETA: 11:32 - loss: 0.1638 - acc: 0.93 - ETA: 11:31 - loss: 0.1574 - acc: 0.93 - ETA: 11:32 - loss: 0.1569 - acc: 0.93 - ETA: 11:31 - loss: 0.1500 - acc: 0.93 - ETA: 11:28 - loss: 0.1481 - acc: 0.93 - ETA: 11:26 - loss: 0.1534 - acc: 0.93 - ETA: 11:24 - loss: 0.1536 - acc: 0.93 - ETA: 11:22 - loss: 0.1562 - acc: 0.93 - ETA: 11:20 - loss: 0.1597 - acc: 0.93 - ETA: 11:18 - loss: 0.1626 - acc: 0.93 - ETA: 11:16 - loss: 0.1639 - acc: 0.93 - ETA: 11:14 - loss: 0.1645 - acc: 0.93 - ETA: 11:13 - loss: 0.1649 - acc: 0.93 - ETA: 11:13 - loss: 0.1640 - acc: 0.93 - ETA: 11:11 - loss: 0.1683 - acc: 0.93 - ETA: 11:09 - loss: 0.1658 - acc: 0.93 - ETA: 11:07 - loss: 0.1655 - acc: 0.93 - ETA: 11:05 - loss: 0.1669 - acc: 0.93 - ETA: 11:03 - loss: 0.1690 - acc: 0.93 - ETA: 11:01 - loss: 0.1733 - acc: 0.93 - ETA: 10:58 - loss: 0.1724 - acc: 0.93 - ETA: 10:56 - loss: 0.1723 - acc: 0.93 - ETA: 10:54 - loss: 0.1750 - acc: 0.93 - ETA: 10:52 - loss: 0.1790 - acc: 0.92 - ETA: 10:50 - loss: 0.17

87 - acc: 0.92 - ETA: 10:50 - loss: 0.1769 - acc: 0.93 - ETA: 10:48 - loss: 0.1737 - acc: 0.93 - ETA: 10:47 - loss: 0.1742 - acc: 0.93 - ETA: 10:45 - loss: 0.1737 - acc: 0.93 - ETA: 10:43 - loss: 0.1718 - acc: 0.93 - ETA: 10:41 - loss: 0.1721 - acc: 0.93 - ETA: 10:39 - loss: 0.1740 - acc: 0.93 - ETA: 10:38 - loss: 0.1745 - acc: 0.93 - ETA: 10:36 - loss: 0.1735 - acc: 0.93 - ETA: 10:34 - loss: 0.1725 - acc: 0.93 - ETA: 10:32 - loss: 0.1710 - acc: 0.93 - ETA: 10:31 - loss: 0.1709 - acc: 0.93 - ETA: 10:30 - loss: 0.1696 - acc: 0.93 - ETA: 10:29 - loss: 0.1698 - acc: 0.93 - ETA: 10:27 - loss: 0.1694 - acc: 0.93 - ETA: 10:25 - loss: 0.1692 - acc: 0.93 - ETA: 10:24 - loss: 0.1715 - acc: 0.93 - ETA: 10:22 - loss: 0.1736 - acc: 0.93 - ETA: 10:20 - loss: 0.1733 - acc: 0.93 - ETA: 10:18 - loss: 0.1726 - acc: 0.93 - ETA: 10:16 - loss: 0.1733 - acc: 0.93 - ETA: 10:15 - loss: 0.1724 - acc: 0.93 - ETA: 10:13 - loss: 0.1738 - acc: 0.93 - ETA: 10:12 - loss: 0.1735 - acc: 0.93 - ETA: 10:11 - loss: 0.1740 - acc: 0.93 - ETA: 10:09 - loss: 0.1736 - acc: 0.93 - ETA: 10:08 - loss: 0.1732 - acc: 0.93 - ETA: 10:06 - loss: 0.1754 - acc: 0.93 - ETA: 10:04 - loss: 0.1744 - acc: 0.93 - ETA: 10:03 - loss: 0.1750 - acc: 0.93 - ETA: 10:01 - loss: 0.1758 - acc: 0.93 - ETA: 9:59 - loss: 0.1757 - acc: 0.9304 - ETA: 9:58 - loss: 0.1746 - acc: 0.930 - ETA: 9:56 - loss: 0.1743 - acc: 0.931 - ETA: 9:54 - loss: 0.1743 - acc: 0.930 - ETA: 9:54 - loss: 0.1740 - acc: 0.930 - ETA: 9:52 - loss: 0.1728 - acc: 0.931 - ETA: 9:51 - loss: 0.1739 - acc: 0.930 - ETA: 9:49 - loss: 0.1743 - acc: 0.930 - ETA: 9:48 - loss: 0.1739 - acc: 0.930 - ETA: 9:46 - loss: 0.1740 - acc: 0.930 - ETA: 9:45 - loss: 0.1739 - acc: 0.931 - ETA: 9:43 - loss: 0.1738 - acc: 0.931 - ETA: 9:41 - loss: 0.1730 - acc: 0.931 - ETA: 9:40 - loss: 0.1724 - acc: 0.931 - ETA: 9:38 - loss: 0.1707 - acc: 0.932 - ETA: 9:37 - loss: 0.1701 - acc: 0.932 - ETA: 9:36 - loss: 0.1703 - acc: 0.931 - ETA: 9:35 - loss: 0.1700 - acc: 0.932 - ETA: 9:33 - loss: 0.1702 - acc: 0.932 - ETA: 9:32 - loss: 0.1707 - acc: 0.932 - ETA: 9:30 - loss: 0.1717 - acc: 0.931 - ETA: 9:29 - loss: 0.1721 - acc: 0.931 - ETA: 9:27 - loss: 0.1746 - acc: 0.931 - ETA: 9:25 - loss: 0.1746 - acc: 0.931 - ETA: 9:24 - loss: 0.1747 - acc: 0.931 - ETA: 9:22 - loss: 0.1746 - acc: 0.931 - ETA: 9:21 - loss: 0.1742 - acc: 0.931 - ETA: 9:19 - loss: 0.1732 - acc: 0.932 - ETA: 9:18 - loss: 0.1730 - acc: 0.932 - ETA: 9:17 - loss: 0.1722 - acc: 0.932 - ETA: 9:15 - loss: 0.1713 - acc: 0.933 - ETA: 9:14 - loss: 0.1706 - acc: 0.933 - ETA: 9:12 - loss: 0.1709 - acc: 0.933 - ETA: 9:11 - loss: 0.1703 - acc: 0.933 - ETA: 9:09 - loss: 0.1703 - acc: 0.933 - ETA: 9:08 - loss: 0.1699 - acc: 0.933 - ETA: 9:06 - loss: 0.1692 - acc: 0.933 - ETA: 9:05 - loss: 0.1695 - acc: 0.933 - ETA: 9:03 - loss: 0.1687 - acc: 0.934 - ETA: 9:02 - loss: 0.1686 - acc: 0.933 - ETA: 9:01 - loss: 0.1688 - acc: 0.933 - ETA: 9:00 - loss: 0.1680 - acc: 0.934 - ETA: 8:58 - loss: 0.1668 - acc: 0.934 - ETA: 8:57 - loss: 0.1668 - acc: 0.934 - ETA: 8:55 - loss: 0.1664 - acc: 0.934 - ETA: 8:54 - loss: 0.1681 - acc: 0.934 - ETA: 8:52 - loss: 0.1682 - acc: 0.934 - ETA: 8:51 - loss: 0.1681 - acc: 0.934 - ETA: 8:49 - loss: 0.1680 - acc: 0.934 - ETA: 8:48 - loss: 0.1689 - acc: 0.934 - ETA: 8:46 - loss: 0.1682 - acc: 0.934 - ETA: 8:45 - loss: 0.1688 - acc: 0.934 - ETA: 8:44 - loss: 0.1692 - acc: 0.933 - ETA: 8:43 - loss: 0.1690 - acc: 0.933 - ETA: 8:42 - loss: 0.1686 - acc: 0.934 - ETA: 8:41 - loss: 0.1686 - acc: 0.934 - ETA: 8:40 - loss: 0.1686 - acc: 0.934 - ETA: 8:38 - loss: 0.1684 - acc: 0.934 - ETA: 8:37 - loss: 0.1691 - acc: 0.934 - ETA: 8:35 - loss: 0.1693 - acc: 0.934 - ETA: 8:34 - loss: 0.1700 - acc: 0.933 - ETA: 8:32 - loss: 0.1698 - acc: 0.933 - ETA: 8:31 - loss: 0.1698 - acc: 0.933 - ETA: 8:30 - loss: 0.1701 - acc: 0.933 - ETA: 8:28 - loss: 0.1697 - acc: 0.933 - ETA: 8:27 - loss: 0.1692 - acc: 0.933 - ETA: 8:26 - loss: 0.1697 - acc: 0.933 - ETA: 8:24 - loss: 0.1691 - acc: 0.933 - ETA: 8:23 - loss: 0.1690 - acc: 0.933 - ETA: 8:21 - loss: 0.1686 - acc: 0.934 - ETA: 8:20 - loss: 0.1688 - acc: 0.934 - ETA: 8:18 - loss: 0.1682 - acc: 0.934 - ETA: 8:17 - loss: 0.1680 - acc: 0.934 - ETA: 8:16 - loss: 0.1677 - acc: 0.934 - ETA: 8:14 - loss: 0.1677 - acc: 0.934 - ETA: 8:13 - loss: 0.1679 - acc: 0.933 - ETA: 8:12 - loss: 0.1687 - acc: 0.933 - ETA: 8:10 - loss: 0.1688 - acc: 0.933 - ETA: 8:09 - loss: 0.1682 - acc:

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36 - loss: 0.1795 - acc: 0.930 - ETA: 2:35 - loss: 0.1795 - acc: 0.930 - ETA:
2:33 - loss: 0.1794 - acc: 0.930 - ETA: 2:32 - loss: 0.1793 - acc: 0.930 - ET
A: 2:31 - loss: 0.1794 - acc: 0.930 - ETA: 2:29 - loss: 0.1795 - acc: 0.930 -
ETA: 2:28 - loss: 0.1796 - acc: 0.930 - ETA: 2:27 - loss: 0.1798 - acc: 0.930
- ETA: 2:25 - loss: 0.1796 - acc: 0.930 - ETA: 2:24 - loss: 0.1795 - acc: 0.9
30 - ETA: 2:22 - loss: 0.1797 - acc: 0.930 - ETA: 2:21 - loss: 0.1800 - acc:
0.930 - ETA: 2:20 - loss: 0.1798 - acc: 0.930 - ETA: 2:18 - loss: 0.1797 - ac
c: 0.930 - ETA: 2:17 - loss: 0.1800 - acc: 0.930 - ETA: 2:16 - loss: 0.1800 -
acc: 0.930 - ETA: 2:14 - loss: 0.1801 - acc: 0.930 - ETA: 2:13 - loss: 0.1800
- acc: 0.930 - ETA: 2:12 - loss: 0.1799 - acc: 0.930 - ETA: 2:10 - loss: 0.17
99 - acc: 0.930332249/32249 [=====] - ETA: 2:09 - lo
ss: 0.1801 - acc: 0.930 - ETA: 2:07 - loss: 0.1802 - acc: 0.930 - ETA: 2:06 -
loss: 0.1801 - acc: 0.930 - ETA: 2:05 - loss: 0.1800 - acc: 0.930 - ETA: 2:03
- loss: 0.1800 - acc: 0.930 - ETA: 2:02 - loss: 0.1799 - acc: 0.930 - ETA: 2:
01 - loss: 0.1799 - acc: 0.930 - ETA: 1:59 - loss: 0.1797 - acc: 0.930 - ETA:
1:58 - loss: 0.1794 - acc: 0.930 - ETA: 1:57 - loss: 0.1792 - acc: 0.930 - ET
A: 1:55 - loss: 0.1796 - acc: 0.930 - ETA: 1:54 - loss: 0.1797 - acc: 0.930 -
ETA: 1:53 - loss: 0.1795 - acc: 0.930 - ETA: 1:51 - loss: 0.1797 - acc: 0.930
- ETA: 1:50 - loss: 0.1796 - acc: 0.930 - ETA: 1:48 - loss: 0.1796 - acc: 0.9
30 - ETA: 1:47 - loss: 0.1794 - acc: 0.930 - ETA: 1:46 - loss: 0.1792 - acc:
0.930 - ETA: 1:44 - loss: 0.1791 - acc: 0.930 - ETA: 1:43 - loss: 0.1792 - ac
c: 0.930 - ETA: 1:42 - loss: 0.1793 - acc: 0.930 - ETA: 1:40 - loss: 0.1792 -
acc: 0.930 - ETA: 1:39 - loss: 0.1793 - acc: 0.930 - ETA: 1:38 - loss: 0.1792
- acc: 0.930 - ETA: 1:36 - loss: 0.1792 - acc: 0.930 - ETA: 1:35 - loss: 0.17
93 - acc: 0.930 - ETA: 1:33 - loss: 0.1792 - acc: 0.930 - ETA: 1:32 - loss:
0.1791 - acc: 0.930 - ETA: 1:31 - loss: 0.1791 - acc: 0.930 - ETA: 1:29 - los
s: 0.1790 - acc: 0.930 - ETA: 1:28 - loss: 0.1789 - acc: 0.931 - ETA: 1:27 -
loss: 0.1786 - acc: 0.931 - ETA: 1:25 - loss: 0.1784 - acc: 0.931 - ETA: 1:24
- loss: 0.1782 - acc: 0.931 - ETA: 1:23 - loss: 0.1782 - acc: 0.931 - ETA: 1:
21 - loss: 0.1781 - acc: 0.931 - ETA: 1:20 - loss: 0.1779 - acc: 0.931 - ETA:
1:18 - loss: 0.1780 - acc: 0.931 - ETA: 1:17 - loss: 0.1778 - acc: 0.931 - ET
A: 1:16 - loss: 0.1775 - acc: 0.931 - ETA: 1:14 - loss: 0.1773 - acc: 0.931 -
ETA: 1:13 - loss: 0.1773 - acc: 0.931 - ETA: 1:12 - loss: 0.1772 - acc: 0.931
- ETA: 1:10 - loss: 0.1770 - acc: 0.931 - ETA: 1:09 - loss: 0.1772 - acc: 0.9
31 - ETA: 1:08 - loss: 0.1774 - acc: 0.931 - ETA: 1:06 - loss: 0.1773 - acc:
0.931 - ETA: 1:05 - loss: 0.1775 - acc: 0.931 - ETA: 1:03 - loss: 0.1779 - ac
c: 0.931 - ETA: 1:02 - loss: 0.1778 - acc: 0.931 - ETA: 1:01 - loss: 0.1779 -
acc: 0.931 - ETA: 59s - loss: 0.1781 - acc: 0.931 - ETA: 58s - loss: 0.1781 -
acc: 0.93 - ETA: 57s - loss: 0.1781 - acc: 0.93 - ETA: 55s - loss: 0.1782 - a
cc: 0.93 - ETA: 54s - loss: 0.1783 - acc: 0.93 - ETA: 53s - loss: 0.1783 - ac
c: 0.93 - ETA: 51s - loss: 0.1784 - acc: 0.93 - ETA: 50s - loss: 0.1785 - ac
c: 0.93 - ETA: 49s - loss: 0.1784 - acc: 0.93 - ETA: 47s - loss: 0.1784 - ac
c: 0.93 - ETA: 46s - loss: 0.1783 - acc: 0.93 - ETA: 44s - loss: 0.1783 - ac
c: 0.93 - ETA: 43s - loss: 0.1787 - acc: 0.93 - ETA: 42s - loss: 0.1787 - ac
c: 0.93 - ETA: 40s - loss: 0.1788 - acc: 0.93 - ETA: 39s - loss: 0.1787 - ac

c: 0.93 - ETA: 38s - loss: 0.1785 - acc: 0.93 - ETA: 36s - loss: 0.1788 - ac
c: 0.93 - ETA: 35s - loss: 0.1786 - acc: 0.93 - ETA: 33s - loss: 0.1785 - ac
c: 0.93 - ETA: 32s - loss: 0.1786 - acc: 0.93 - ETA: 31s - loss: 0.1786 - ac
c: 0.93 - ETA: 29s - loss: 0.1788 - acc: 0.93 - ETA: 28s - loss: 0.1788 - ac
c: 0.93 - ETA: 27s - loss: 0.1786 - acc: 0.93 - ETA: 25s - loss: 0.1786 - ac
c: 0.93 - ETA: 24s - loss: 0.1790 - acc: 0.93 - ETA: 23s - loss: 0.1789 - ac
c: 0.93 - ETA: 21s - loss: 0.1791 - acc: 0.93 - ETA: 20s - loss: 0.1793 - ac
c: 0.93 - ETA: 18s - loss: 0.1792 - acc: 0.93 - ETA: 17s - loss: 0.1794 - ac
c: 0.93 - ETA: 16s - loss: 0.1795 - acc: 0.93 - ETA: 14s - loss: 0.1795 - ac
c: 0.93 - ETA: 13s - loss: 0.1796 - acc: 0.93 - ETA: 12s - loss: 0.1796 - ac
c: 0.93 - ETA: 10s - loss: 0.1796 - acc: 0.93 - ETA: 9s - loss: 0.1797 - acc:
0.9309 - ETA: 8s - loss: 0.1797 - acc: 0.930 - ETA: 6s - loss: 0.1796 - acc:
0.931 - ETA: 5s - loss: 0.1795 - acc: 0.931 - ETA: 3s - loss: 0.1795 - acc:
0.931 - ETA: 2s - loss: 0.1796 - acc: 0.931 - ETA: 1s - loss: 0.1797 - acc:
0.931 - 689s 21ms/step - loss: 0.1798 - acc: 0.9311

Epoch 3/3

13056/32249 [=====>.....] - ETA: 11:39 - loss: 0.1433 - ac
c: 0.90 - ETA: 12:00 - loss: 0.1052 - acc: 0.95 - ETA: 11:55 - loss: 0.1056 -
acc: 0.95 - ETA: 11:44 - loss: 0.1006 - acc: 0.96 - ETA: 11:37 - loss: 0.1049
- acc: 0.96 - ETA: 11:33 - loss: 0.1085 - acc: 0.95 - ETA: 11:29 - loss: 0.12
37 - acc: 0.95 - ETA: 11:23 - loss: 0.1527 - acc: 0.94 - ETA: 11:21 - loss:
0.1563 - acc: 0.94 - ETA: 11:20 - loss: 0.1570 - acc: 0.94 - ETA: 11:17 - los
s: 0.1522 - acc: 0.94 - ETA: 11:15 - loss: 0.1477 - acc: 0.94 - ETA: 11:15 -
loss: 0.1463 - acc: 0.94 - ETA: 11:17 - loss: 0.1505 - acc: 0.94 - ETA: 11:15
- loss: 0.1508 - acc: 0.95 - ETA: 11:13 - loss: 0.1514 - acc: 0.94 - ETA: 11:
11 - loss: 0.1504 - acc: 0.94 - ETA: 11:09 - loss: 0.1515 - acc: 0.94 - ETA:
11:07 - loss: 0.1521 - acc: 0.94 - ETA: 11:05 - loss: 0.1500 - acc: 0.94 - ET
A: 11:03 - loss: 0.1468 - acc: 0.94 - ETA: 11:02 - loss: 0.1434 - acc: 0.94 -
ETA: 11:00 - loss: 0.1461 - acc: 0.94 - ETA: 10:58 - loss: 0.1518 - acc: 0.94
- ETA: 10:59 - loss: 0.1548 - acc: 0.94 - ETA: 10:57 - loss: 0.1500 - acc: 0.
94 - ETA: 10:55 - loss: 0.1456 - acc: 0.94 - ETA: 10:54 - loss: 0.1443 - acc:
0.94 - ETA: 10:52 - loss: 0.1446 - acc: 0.94 - ETA: 10:51 - loss: 0.1460 - ac
c: 0.94 - ETA: 10:50 - loss: 0.1463 - acc: 0.94 - ETA: 10:48 - loss: 0.1430 -
acc: 0.95 - ETA: 10:46 - loss: 0.1421 - acc: 0.95 - ETA: 10:45 - loss: 0.1431
- acc: 0.95 - ETA: 10:42 - loss: 0.1410 - acc: 0.95 - ETA: 10:41 - loss: 0.13
91 - acc: 0.95 - ETA: 10:41 - loss: 0.1422 - acc: 0.95 - ETA: 10:39 - loss:
0.1417 - acc: 0.95 - ETA: 10:38 - loss: 0.1397 - acc: 0.95 - ETA: 10:36 - los
s: 0.1385 - acc: 0.95 - ETA: 10:34 - loss: 0.1422 - acc: 0.95 - ETA: 10:32 -
loss: 0.1412 - acc: 0.95 - ETA: 10:31 - loss: 0.1410 - acc: 0.95 - ETA: 10:29
- loss: 0.1400 - acc: 0.95 - ETA: 10:28 - loss: 0.1407 - acc: 0.95 - ETA: 10:
26 - loss: 0.1385 - acc: 0.95 - ETA: 10:25 - loss: 0.1398 - acc: 0.95 - ETA:
10:24 - loss: 0.1394 - acc: 0.95 - ETA: 10:23 - loss: 0.1381 - acc: 0.95 - ET
A: 10:23 - loss: 0.1370 - acc: 0.95 - ETA: 10:23 - loss: 0.1371 - acc: 0.95 -
ETA: 10:22 - loss: 0.1356 - acc: 0.95 - ETA: 10:21 - loss: 0.1355 - acc: 0.95
- ETA: 10:22 - loss: 0.1354 - acc: 0.95 - ETA: 10:20 - loss: 0.1351 - acc: 0.
95 - ETA: 10:21 - loss: 0.1343 - acc: 0.95 - ETA: 10:20 - loss: 0.1330 - acc:
0.95 - ETA: 10:19 - loss: 0.1329 - acc: 0.95 - ETA: 10:18 - loss: 0.1330 - ac
c: 0.95 - ETA: 10:17 - loss: 0.1322 - acc: 0.95 - ETA: 10:16 - loss: 0.1323 -
acc: 0.95 - ETA: 10:14 - loss: 0.1317 - acc: 0.95 - ETA: 10:12 - loss: 0.1305
- acc: 0.95 - ETA: 10:10 - loss: 0.1302 - acc: 0.95 - ETA: 10:08 - loss: 0.13
07 - acc: 0.95 - ETA: 10:06 - loss: 0.1302 - acc: 0.95 - ETA: 10:04 - loss:
0.1302 - acc: 0.95 - ETA: 10:03 - loss: 0.1293 - acc: 0.95 - ETA: 10:01 - los
s: 0.1329 - acc: 0.95 - ETA: 9:59 - loss: 0.1333 - acc: 0.9516 - ETA: 9:58 -
loss: 0.1325 - acc: 0.951 - ETA: 9:58 - loss: 0.1325 - acc: 0.951 - ETA: 9:56
- loss: 0.1317 - acc: 0.952 - ETA: 9:55 - loss: 0.1303 - acc: 0.952 - ETA: 9:
54 - loss: 0.1304 - acc: 0.952 - ETA: 9:52 - loss: 0.1310 - acc: 0.952 - ETA:
9:51 - loss: 0.1307 - acc: 0.952 - ETA: 9:50 - loss: 0.1299 - acc: 0.952 - ET

A: 9:49 - loss: 0.1319 - acc: 0.952 - ETA: 9:48 - loss: 0.1313 - acc: 0.952 -
ETA: 9:46 - loss: 0.1321 - acc: 0.952 - ETA: 9:45 - loss: 0.1322 - acc: 0.952
- ETA: 9:44 - loss: 0.1326 - acc: 0.951 - ETA: 9:43 - loss: 0.1331 - acc: 0.9
51 - ETA: 9:42 - loss: 0.1332 - acc: 0.950 - ETA: 9:40 - loss: 0.1335 - acc:
0.950 - ETA: 9:39 - loss: 0.1328 - acc: 0.951 - ETA: 9:37 - loss: 0.1332 - ac
c: 0.951 - ETA: 9:36 - loss: 0.1329 - acc: 0.951 - ETA: 9:34 - loss: 0.1323 -
acc: 0.951 - ETA: 9:33 - loss: 0.1324 - acc: 0.951 - ETA: 9:32 - loss: 0.1334
- acc: 0.951 - ETA: 9:30 - loss: 0.1324 - acc: 0.951 - ETA: 9:30 - loss: 0.13
23 - acc: 0.951 - ETA: 9:29 - loss: 0.1319 - acc: 0.951 - ETA: 9:27 - loss:
0.1310 - acc: 0.952 - ETA: 9:26 - loss: 0.1313 - acc: 0.952 - ETA: 9:24 - los
s: 0.1328 - acc: 0.951 - ETA: 9:22 - loss: 0.1320 - acc: 0.951 - ETA: 9:21 -
loss: 0.1319 - acc: 0.951 - ETA: 9:20 - loss: 0.1329 - acc: 0.951 - ETA: 9:18
- loss: 0.1336 - acc: 0.951 - ETA: 9:17 - loss: 0.1335 - acc: 0.951 - ETA: 9:
16 - loss: 0.1334 - acc: 0.951 - ETA: 9:15 - loss: 0.1332 - acc: 0.951 - ETA:
9:14 - loss: 0.1330 - acc: 0.951 - ETA: 9:12 - loss: 0.1327 - acc: 0.951 - ET
A: 9:11 - loss: 0.1328 - acc: 0.951 - ETA: 9:09 - loss: 0.1345 - acc: 0.950 -
ETA: 9:08 - loss: 0.1337 - acc: 0.951 - ETA: 9:06 - loss: 0.1331 - acc: 0.951
- ETA: 9:05 - loss: 0.1333 - acc: 0.950 - ETA: 9:04 - loss: 0.1334 - acc: 0.9
50 - ETA: 9:02 - loss: 0.1333 - acc: 0.950 - ETA: 9:01 - loss: 0.1333 - acc:
0.950 - ETA: 8:59 - loss: 0.1332 - acc: 0.950 - ETA: 8:58 - loss: 0.1333 - ac
c: 0.950 - ETA: 8:57 - loss: 0.1331 - acc: 0.950 - ETA: 8:56 - loss: 0.1340 -
acc: 0.950 - ETA: 8:54 - loss: 0.1343 - acc: 0.950 - ETA: 8:53 - loss: 0.1344
- acc: 0.950 - ETA: 8:52 - loss: 0.1352 - acc: 0.949 - ETA: 8:50 - loss: 0.13
54 - acc: 0.949 - ETA: 8:49 - loss: 0.1367 - acc: 0.949 - ETA: 8:47 - loss:
0.1364 - acc: 0.949 - ETA: 8:46 - loss: 0.1367 - acc: 0.949 - ETA: 8:44 - los
s: 0.1364 - acc: 0.949 - ETA: 8:43 - loss: 0.1369 - acc: 0.949 - ETA: 8:42 -
loss: 0.1375 - acc: 0.949 - ETA: 8:41 - loss: 0.1380 - acc: 0.949 - ETA: 8:39
- loss: 0.1386 - acc: 0.948 - ETA: 8:38 - loss: 0.1383 - acc: 0.949 - ETA: 8:
37 - loss: 0.1385 - acc: 0.948 - ETA: 8:35 - loss: 0.1389 - acc: 0.948 - ETA:
8:34 - loss: 0.1390 - acc: 0.948 - ETA: 8:32 - loss: 0.1385 - acc: 0.949 - ET
A: 8:31 - loss: 0.1386 - acc: 0.948 - ETA: 8:29 - loss: 0.1386 - acc: 0.948 -
ETA: 8:28 - loss: 0.1384 - acc: 0.949 - ETA: 8:27 - loss: 0.1384 - acc: 0.948
- ETA: 8:26 - loss: 0.1382 - acc: 0.948 - ETA: 8:24 - loss: 0.1380 - acc: 0.9
48 - ETA: 8:23 - loss: 0.1375 - acc: 0.949 - ETA: 8:21 - loss: 0.1378 - acc:
0.949 - ETA: 8:20 - loss: 0.1382 - acc: 0.949 - ETA: 8:19 - loss: 0.1377 - ac
c: 0.949 - ETA: 8:17 - loss: 0.1390 - acc: 0.949 - ETA: 8:16 - loss: 0.1385 -
acc: 0.949 - ETA: 8:14 - loss: 0.1381 - acc: 0.949 - ETA: 8:13 - loss: 0.1377
- acc: 0.949 - ETA: 8:12 - loss: 0.1376 - acc: 0.949 - ETA: 8:11 - loss: 0.13
74 - acc: 0.949 - ETA: 8:09 - loss: 0.1374 - acc: 0.949 - ETA: 8:08 - loss:
0.1385 - acc: 0.949 - ETA: 8:06 - loss: 0.1395 - acc: 0.949 - ETA: 8:05 - los
s: 0.1397 - acc: 0.948 - ETA: 8:04 - loss: 0.1391 - acc: 0.949 - ETA: 8:02 -
loss: 0.1394 - acc: 0.949 - ETA: 8:01 - loss: 0.1391 - acc: 0.949 - ETA: 8:00
- loss: 0.1391 - acc: 0.949 - ETA: 7:58 - loss: 0.1394 - acc: 0.949 - ETA: 7:
57 - loss: 0.1397 - acc: 0.949 - ETA: 7:56 - loss: 0.1393 - acc: 0.949 - ETA:
7:54 - loss: 0.1388 - acc: 0.949 - ETA: 7:53 - loss: 0.1383 - acc: 0.949 - ET
A: 7:52 - loss: 0.1385 - acc: 0.949 - ETA: 7:50 - loss: 0.1387 - acc: 0.949 -
ETA: 7:49 - loss: 0.1387 - acc: 0.949 - ETA: 7:48 - loss: 0.1386 - acc: 0.949
- ETA: 7:46 - loss: 0.1395 - acc: 0.949 - ETA: 7:45 - loss: 0.1398 - acc: 0.9
48 - ETA: 7:43 - loss: 0.1392 - acc: 0.949 - ETA: 7:42 - loss: 0.1397 - acc:
0.948 - ETA: 7:41 - loss: 0.1395 - acc: 0.948 - ETA: 7:40 - loss: 0.1397 - ac
c: 0.948 - ETA: 7:38 - loss: 0.1399 - acc: 0.948 - ETA: 7:37 - loss: 0.1400 -
acc: 0.948 - ETA: 7:35 - loss: 0.1398 - acc: 0.949 - ETA: 7:34 - loss: 0.1397
- acc: 0.948 - ETA: 7:32 - loss: 0.1395 - acc: 0.948 - ETA: 7:31 - loss: 0.14
06 - acc: 0.948 - ETA: 7:30 - loss: 0.1404 - acc: 0.948 - ETA: 7:28 - loss:
0.1408 - acc: 0.948 - ETA: 7:27 - loss: 0.1414 - acc: 0.948 - ETA: 7:26 - los
s: 0.1420 - acc: 0.948 - ETA: 7:24 - loss: 0.1421 - acc: 0.948 - ETA: 7:23 -
loss: 0.1424 - acc: 0.948 - ETA: 7:21 - loss: 0.1427 - acc: 0.948 - ETA: 7:20

- loss: 0.1428 - acc: 0.947 - ETA: 7:19 - loss: 0.1427 - acc: 0.947 - ETA: 7:17 - loss: 0.1429 - acc: 0.947 - ETA: 7:16 - loss: 0.1428 - acc: 0.947 - ETA: 7:14 - loss: 0.1423 - acc: 0.947 - ETA: 7:13 - loss: 0.1426 - acc: 0.947 - ETA: 7:12 - loss: 0.1426 - acc: 0.947 - ETA: 7:10 - loss: 0.1428 - acc: 0.947 - ETA: 7:09 - loss: 0.1433 - acc: 0.947 - ETA: 7:08 - loss: 0.1434 - acc: 0.947 - ETA: 7:06 - loss: 0.1435 - acc: 0.947 - ETA: 7:05 - loss: 0.1433 - acc: 0.947 - ETA: 7:03 - loss: 0.1432 - acc: 0.947 - ETA: 7:02 - loss: 0.1431 - acc: 0.947 - ETA: 7:01 - loss: 0.1427 - acc: 0.947 - ETA: 6:59 - loss: 0.1427 - acc: 0.947326112/32249 [=====>.....] - ETA: 6:58 - loss: 0.1425 - acc: 0.947 - ETA: 6:56 - loss: 0.1422 - acc: 0.947 - ETA: 6:55 - loss: 0.1421 - acc: 0.947 - ETA: 6:54 - loss: 0.1421 - acc: 0.947 - ETA: 6:52 - loss: 0.1420 - acc: 0.947 - ETA: 6:51 - loss: 0.1418 - acc: 0.947 - ETA: 6:50 - loss: 0.1417 - acc: 0.947 - ETA: 6:48 - loss: 0.1419 - acc: 0.947 - ETA: 6:47 - loss: 0.1414 - acc: 0.947 - ETA: 6:45 - loss: 0.1413 - acc: 0.947 - ETA: 6:44 - loss: 0.1414 - acc: 0.947 - ETA: 6:42 - loss: 0.1411 - acc: 0.947 - ETA: 6:41 - loss: 0.1411 - acc: 0.947 - ETA: 6:40 - loss: 0.1413 - acc: 0.947 - ETA: 6:38 - loss: 0.1412 - acc: 0.947 - ETA: 6:37 - loss: 0.1414 - acc: 0.947 - ETA: 6:36 - loss: 0.1414 - acc: 0.947 - ETA: 6:34 - loss: 0.1412 - acc: 0.947 - ETA: 6:33 - loss: 0.1414 - acc: 0.947 - ETA: 6:32 - loss: 0.1414 - acc: 0.947 - ETA: 6:30 - loss: 0.1420 - acc: 0.947 - ETA: 6:29 - loss: 0.1422 - acc: 0.947 - ETA: 6:27 - loss: 0.1421 - acc: 0.947 - ETA: 6:26 - loss: 0.1425 - acc: 0.947 - ETA: 6:25 - loss: 0.1430 - acc: 0.947 - ETA: 6:23 - loss: 0.1429 - acc: 0.947 - ETA: 6:22 - loss: 0.1430 - acc: 0.947 - ETA: 6:20 - loss: 0.1433 - acc: 0.946 - ETA: 6:19 - loss: 0.1432 - acc: 0.947 - ETA: 6:18 - loss: 0.1439 - acc: 0.946 - ETA: 6:16 - loss: 0.1441 - acc: 0.946 - ETA: 6:15 - loss: 0.1443 - acc: 0.946 - ETA: 6:13 - loss: 0.1443 - acc: 0.946 - ETA: 6:12 - loss: 0.1440 - acc: 0.946 - ETA: 6:11 - loss: 0.1442 - acc: 0.946 - ETA: 6:09 - loss: 0.1446 - acc: 0.946 - ETA: 6:08 - loss: 0.1448 - acc: 0.945 - ETA: 6:07 - loss: 0.1447 - acc: 0.946 - ETA: 6:05 - loss: 0.1446 - acc: 0.946 - ETA: 6:04 - loss: 0.1446 - acc: 0.946 - ETA: 6:02 - loss: 0.1449 - acc: 0.945 - ETA: 6:01 - loss: 0.1453 - acc: 0.945 - ETA: 6:00 - loss: 0.1451 - acc: 0.945 - ETA: 5:58 - loss: 0.1452 - acc: 0.945 - ETA: 5:57 - loss: 0.1452 - acc: 0.945 - ETA: 5:55 - loss: 0.1451 - acc: 0.945 - ETA: 5:54 - loss: 0.1459 - acc: 0.945 - ETA: 5:53 - loss: 0.1460 - acc: 0.945 - ETA: 5:51 - loss: 0.1461 - acc: 0.945 - ETA: 5:50 - loss: 0.1465 - acc: 0.945 - ETA: 5:49 - loss: 0.1464 - acc: 0.945 - ETA: 5:47 - loss: 0.1463 - acc: 0.945 - ETA: 5:46 - loss: 0.1460 - acc: 0.945 - ETA: 5:44 - loss: 0.1464 - acc: 0.945 - ETA: 5:43 - loss: 0.1460 - acc: 0.945 - ETA: 5:42 - loss: 0.1456 - acc: 0.945 - ETA: 5:40 - loss: 0.1454 - acc: 0.945 - ETA: 5:39 - loss: 0.1453 - acc: 0.946 - ETA: 5:37 - loss: 0.1453 - acc: 0.946 - ETA: 5:36 - loss: 0.1454 - acc: 0.946 - ETA: 5:35 - loss: 0.1449 - acc: 0.946 - ETA: 5:33 - loss: 0.1455 - acc: 0.946 - ETA: 5:32 - loss: 0.1456 - acc: 0.946 - ETA: 5:30 - loss: 0.1455 - acc: 0.946 - ETA: 5:29 - loss: 0.1455 - acc: 0.946 - ETA: 5:28 - loss: 0.1458 - acc: 0.946 - ETA: 5:26 - loss: 0.1463 - acc: 0.945 - ETA: 5:25 - loss: 0.1462 - acc: 0.945 - ETA: 5:23 - loss: 0.1460 - acc: 0.946 - ETA: 5:22 - loss: 0.1462 - acc: 0.945 - ETA: 5:21 - loss: 0.1460 - acc: 0.946 - ETA: 5:19 - loss: 0.1460 - acc: 0.946 - ETA: 5:18 - loss: 0.1458 - acc: 0.946 - ETA: 5:16 - loss: 0.1461 - acc: 0.946 - ETA: 5:15 - loss: 0.1464 - acc: 0.946 - ETA: 5:14 - loss: 0.1468 - acc: 0.945 - ETA: 5:12 - loss: 0.1469 - acc: 0.945 - ETA: 5:11 - loss: 0.1467 - acc: 0.945 - ETA: 5:09 - loss: 0.1467 - acc: 0.945 - ETA: 5:08 - loss: 0.1469 - acc: 0.945 - ETA: 5:07 - loss: 0.1473 - acc: 0.945 - ETA: 5:05 - loss: 0.1479 - acc: 0.945 - ETA: 5:04 - loss: 0.1479 - acc: 0.945 - ETA: 5:02 - loss: 0.1478 - acc: 0.945 - ETA: 5:01 - loss: 0.1475 - acc: 0.945 - ETA: 5:00 - loss: 0.1477 - acc: 0.945 - ETA: 4:58 - loss: 0.1479 - acc: 0.945 - ETA: 4:57 - loss: 0.1484 - acc: 0.944 - ETA: 4:55 - loss: 0.1486 - acc: 0.944 - ETA: 4:54 - loss: 0.1486 - acc: 0.944 - ETA: 4:53 - loss: 0.1483 - acc: 0.944 - ETA: 4:51 - loss: 0.1479 - acc: 0.944 - ETA: 4:50 - loss: 0.1482 - acc: 0.944 - ETA: 4:49 -

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- loss: 0.1485 - acc: 0.944 - ETA: 4:44 - loss: 0.1483 - acc: 0.944 - ETA: 4:
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ETA: 4:34 - loss: 0.1488 - acc: 0.944 - ETA: 4:33 - loss: 0.1486 - acc: 0.944
- ETA: 4:32 - loss: 0.1487 - acc: 0.944 - ETA: 4:30 - loss: 0.1485 - acc: 0.9
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0.1484 - acc: 0.945 - ETA: 4:12 - loss: 0.1485 - acc: 0.945 - ETA: 4:11 - los
s: 0.1484 - acc: 0.945 - ETA: 4:09 - loss: 0.1484 - acc: 0.945 - ETA: 4:08 -
loss: 0.1489 - acc: 0.944 - ETA: 4:06 - loss: 0.1499 - acc: 0.944 - ETA: 4:05
- loss: 0.1496 - acc: 0.944 - ETA: 4:04 - loss: 0.1497 - acc: 0.944 - ETA: 4:
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- ETA: 3:51 - loss: 0.1502 - acc: 0.944 - ETA: 3:50 - loss: 0.1503 - acc: 0.9
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acc: 0.944 - ETA: 3:40 - loss: 0.1504 - acc: 0.944 - ETA: 3:39 - loss: 0.1505
- acc: 0.944 - ETA: 3:37 - loss: 0.1505 - acc: 0.944 - ETA: 3:36 - loss: 0.15
06 - acc: 0.944 - ETA: 3:34 - loss: 0.1506 - acc: 0.944 - ETA: 3:33 - loss:
0.1509 - acc: 0.944 - ETA: 3:32 - loss: 0.1510 - acc: 0.944 - ETA: 3:30 - los
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loss: 0.1507 - acc: 0.944 - ETA: 3:26 - loss: 0.1507 - acc: 0.944 - ETA: 3:25
- loss: 0.1505 - acc: 0.944 - ETA: 3:23 - loss: 0.1505 - acc: 0.944 - ETA: 3:
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- ETA: 3:11 - loss: 0.1517 - acc: 0.943 - ETA: 3:09 - loss: 0.1518 - acc: 0.9
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0.943 - ETA: 3:05 - loss: 0.1520 - acc: 0.943 - ETA: 3:04 - loss: 0.1523 - ac
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loss: 0.1534 - acc: 0.942 - ETA: 2:45 - loss: 0.1537 - acc: 0.942 - ETA: 2:44
- loss: 0.1538 - acc: 0.942 - ETA: 2:43 - loss: 0.1538 - acc: 0.942 - ETA: 2:
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2:39 - loss: 0.1540 - acc: 0.942 - ETA: 2:37 - loss: 0.1538 - acc: 0.942 - ET
A: 2:36 - loss: 0.1537 - acc: 0.942 - ETA: 2:34 - loss: 0.1537 - acc: 0.942 -
ETA: 2:33 - loss: 0.1535 - acc: 0.942 - ETA: 2:32 - loss: 0.1535 - acc: 0.942
- ETA: 2:30 - loss: 0.1533 - acc: 0.942 - ETA: 2:29 - loss: 0.1531 - acc: 0.9
42 - ETA: 2:27 - loss: 0.1529 - acc: 0.942 - ETA: 2:26 - loss: 0.1535 - acc:
0.942 - ETA: 2:25 - loss: 0.1536 - acc: 0.942 - ETA: 2:23 - loss: 0.1541 - ac
c: 0.942 - ETA: 2:22 - loss: 0.1540 - acc: 0.942 - ETA: 2:20 - loss: 0.1542 -
acc: 0.942 - ETA: 2:19 - loss: 0.1542 - acc: 0.942 - ETA: 2:18 - loss: 0.1542
- acc: 0.942 - ETA: 2:16 - loss: 0.1542 - acc: 0.942 - ETA: 2:15 - loss: 0.15

41 - acc: 0.942432249/32249 [=====] - ETA: 2:13 - loss: 0.1541 - acc: 0.942 - ETA: 2:12 - loss: 0.1542 - acc: 0.942 - ETA: 2:11 - loss: 0.1541 - acc: 0.942 - ETA: 2:09 - loss: 0.1541 - acc: 0.942 - ETA: 2:08 - loss: 0.1541 - acc: 0.942 - ETA: 2:06 - loss: 0.1544 - acc: 0.942 - ETA: 2:05 - loss: 0.1542 - acc: 0.942 - ETA: 2:04 - loss: 0.1542 - acc: 0.942 - ETA: 2:02 - loss: 0.1542 - acc: 0.942 - ETA: 2:01 - loss: 0.1543 - acc: 0.942 - ETA: 1:59 - loss: 0.1543 - acc: 0.942 - ETA: 1:58 - loss: 0.1542 - acc: 0.942 - ETA: 1:57 - loss: 0.1543 - acc: 0.942 - ETA: 1:55 - loss: 0.1546 - acc: 0.942 - ETA: 1:54 - loss: 0.1545 - acc: 0.942 - ETA: 1:52 - loss: 0.1546 - acc: 0.942 - ETA: 1:51 - loss: 0.1545 - acc: 0.942 - ETA: 1:50 - loss: 0.1545 - acc: 0.942 - ETA: 1:48 - loss: 0.1546 - acc: 0.942 - ETA: 1:47 - loss: 0.1547 - acc: 0.942 - ETA: 1:45 - loss: 0.1545 - acc: 0.942 - ETA: 1:44 - loss: 0.1546 - acc: 0.942 - ETA: 1:42 - loss: 0.1544 - acc: 0.942 - ETA: 1:41 - loss: 0.1544 - acc: 0.942 - ETA: 1:40 - loss: 0.1548 - acc: 0.942 - ETA: 1:38 - loss: 0.1548 - acc: 0.942 - ETA: 1:37 - loss: 0.1547 - acc: 0.942 - ETA: 1:35 - loss: 0.1544 - acc: 0.942 - ETA: 1:34 - loss: 0.1544 - acc: 0.942 - ETA: 1:33 - loss: 0.1544 - acc: 0.942 - ETA: 1:31 - loss: 0.1546 - acc: 0.942 - ETA: 1:30 - loss: 0.1544 - acc: 0.942 - ETA: 1:28 - loss: 0.1544 - acc: 0.942 - ETA: 1:27 - loss: 0.1548 - acc: 0.942 - ETA: 1:26 - loss: 0.1550 - acc: 0.941 - ETA: 1:24 - loss: 0.1551 - acc: 0.941 - ETA: 1:23 - loss: 0.1549 - acc: 0.942 - ETA: 1:21 - loss: 0.1548 - acc: 0.941 - ETA: 1:20 - loss: 0.1546 - acc: 0.942 - ETA: 1:19 - loss: 0.1546 - acc: 0.942 - ETA: 1:17 - loss: 0.1545 - acc: 0.942 - ETA: 1:16 - loss: 0.1546 - acc: 0.942 - ETA: 1:14 - loss: 0.1544 - acc: 0.942 - ETA: 1:13 - loss: 0.1543 - acc: 0.942 - ETA: 1:11 - loss: 0.1543 - acc: 0.942 - ETA: 1:10 - loss: 0.1544 - acc: 0.942 - ETA: 1:09 - loss: 0.1544 - acc: 0.942 - ETA: 1:07 - loss: 0.1544 - acc: 0.942 - ETA: 1:06 - loss: 0.1544 - acc: 0.942 - ETA: 1:04 - loss: 0.1546 - acc: 0.942 - ETA: 1:03 - loss: 0.1546 - acc: 0.942 - ETA: 1:02 - loss: 0.1544 - acc: 0.942 - ETA: 1:00 - loss: 0.1542 - acc: 0.942 - ETA: 59s - loss: 0.1544 - acc: 0.942 - ETA: 57s - loss: 0.1542 - acc: 0.94 - ETA: 56s - loss: 0.1543 - acc: 0.94 - ETA: 55s - loss: 0.1546 - acc: 0.94 - ETA: 53s - loss: 0.1546 - acc: 0.94 - ETA: 52s - loss: 0.1547 - acc: 0.94 - ETA: 50s - loss: 0.1548 - acc: 0.94 - ETA: 49s - loss: 0.1547 - acc: 0.94 - ETA: 47s - loss: 0.1545 - acc: 0.94 - ETA: 46s - loss: 0.1547 - acc: 0.94 - ETA: 45s - loss: 0.1548 - acc: 0.94 - ETA: 43s - loss: 0.1547 - acc: 0.94 - ETA: 42s - loss: 0.1547 - acc: 0.94 - ETA: 40s - loss: 0.1549 - acc: 0.94 - ETA: 39s - loss: 0.1548 - acc: 0.94 - ETA: 38s - loss: 0.1548 - acc: 0.94 - ETA: 36s - loss: 0.1549 - acc: 0.94 - ETA: 35s - loss: 0.1549 - acc: 0.94 - ETA: 33s - loss: 0.1550 - acc: 0.94 - ETA: 32s - loss: 0.1554 - acc: 0.94 - ETA: 30s - loss: 0.1556 - acc: 0.94 - ETA: 29s - loss: 0.1555 - acc: 0.94 - ETA: 28s - loss: 0.1557 - acc: 0.94 - ETA: 26s - loss: 0.1558 - acc: 0.94 - ETA: 25s - loss: 0.1557 - acc: 0.94 - ETA: 23s - loss: 0.1557 - acc: 0.94 - ETA: 22s - loss: 0.1556 - acc: 0.94 - ETA: 21s - loss: 0.1554 - acc: 0.94 - ETA: 19s - loss: 0.1557 - acc: 0.94 - ETA: 18s - loss: 0.1562 - acc: 0.94 - ETA: 16s - loss: 0.1562 - acc: 0.94 - ETA: 15s - loss: 0.1560 - acc: 0.94 - ETA: 14s - loss: 0.1560 - acc: 0.94 - ETA: 12s - loss: 0.1561 - acc: 0.94 - ETA: 11s - loss: 0.1561 - acc: 0.94 - ETA: 9s - loss: 0.1561 - acc: 0.9416 - ETA: 8s - loss: 0.1559 - acc: 0.941 - ETA: 6s - loss: 0.1560 - acc: 0.941 - ETA: 5s - loss: 0.1560 - acc: 0.941 - ETA: 4s - loss: 0.1560 - acc: 0.941 - ETA: 2s - loss: 0.1559 - acc: 0.941 - ETA: 1s - loss: 0.1560 - acc: 0.941 - 714s 22ms/step - loss: 0.1560 - acc: 0.9415
Accuracy: 91.37%

Summary

1. Model1 with one LSTM layer ran for 5 epochs got accuracy of 91.32%.
2. Model2 with 2 LSTM layers ran for 3 epochs got accuracy of 91.37%.