Readme

Welcome to look at my cnn-based models! I will reply your question at any time!

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The project structure

```
|--- train.py
|--- MNIST_data
|--- output
|    |--- lenet_weights.hdf5
|    |--- alexnet_weights.hdf5
|    |--- hannet_weights.hdf5
|--- imagesearch
|    |--- cnn
|    |    |--- networks
|    |    |    |--- lenet.py
|    |    |    |--- alexnetpy
|    |    |    |--- hannet.py
```

0, Click “run” button in “train.py” will execute the default LeNet model.

1, “train.py” is the console to control all kinds of networks. You can change networks type on the top of the code, just change the variable name. (The default is LeNet model)

2, The uploaded version is not included save model file in “output” folder because the files are too big. There are two ways to download the whole program.

1. Dropbox:
   https://www.dropbox.com/sh/ezkn4xeemzdvin6/AAD2jXmOiP23vHyZPtsDENt6a?dl=0
   Then copy the file to output folder

2. Github: https://github.com/Master5u/219ass2

3, How to use save model? I recommend you use commend:

(On Mac$:) **python train.py --load-model 1 --weights output/hannet_weights.hdf5**

when you change different networks, remember to change different save model **“output/lenet_weights.hdf5”** or **“output/alexnet_weights.hdf5”**

4, the necessary packages are keras, numpy, argparse, cv2, matplotlib, collections.

Statement: Some parts of project structure are learned from http://goo.gl/S6RQiS It is not plagiarism!

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