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Kaggle DICOM IMAGE TO npy FORMAT

https://github.com/jocicmarko/kaggle-dsb2-keras

directory of envs(C:\Users\tccnchsucyut\AppData\Local\conda\conda\envs)

Commands in an anaconda prompt:

conda create -n testkeras_tensorflow pip=9.0.1 python=3.6
activate testkeras_tensorflow
python -m pip install --upgrade pip
pip install matplotlib
pip install --ignore-installed --upgrade tensorflow
pip install keras
pip install dicom
pip install scipy
pip install Pillow
deactivate

Clone https://github.com/jocicmarko/kaggle-dsb2-keras

Change directory
cd F:\testdicomtensorflow\testonedicom
activate testkeras_tensorflow
python data.py

(data\train\train\1\study\2ch_21)
see fig.1

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conda create -n dicomshowpy36 python=3.6
activate dicomshowpy36
pip install matplotlib

edit a file Myshownpydicomimage.py and cd
F:\testdicomtensorflow\testonedicom\data
Python Myshownpydicomimage.py

---

import numpy as np

```
img_array = np.load('filename.npy')

from matplotlib import pyplot as plt

plt.imshow(img_array, cmap='gray')
plt.show()
```

You could also use PIL or pillow:

```
from PIL import Image

im = Image.fromarray(img_array)
# this might fail if `img_array` contains a data type that is not supported by PIL,
# in which case you could try casting it to a different dtype e.g.:
# im = Image.fromarray(img_array.astype(np.uint8))

im.show()
```

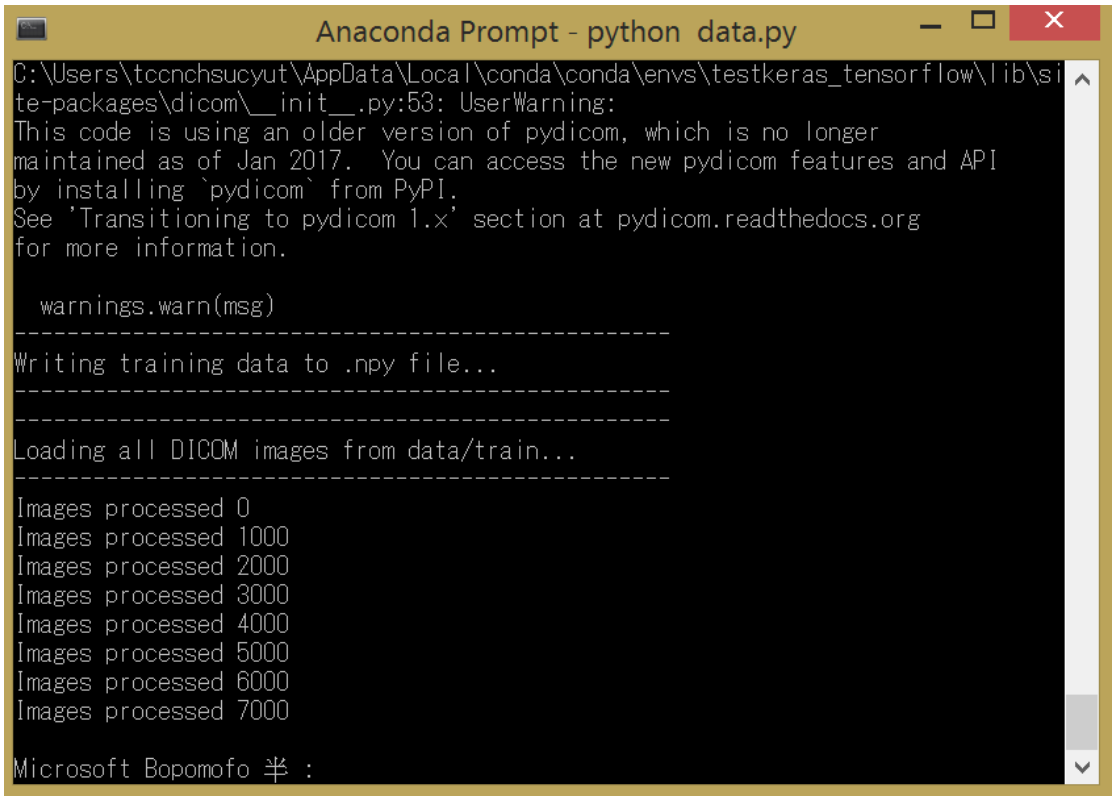

Fig1

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Read image png –npy-> show image
https://www.cnblogs.com/yinxiangnan-charles/p/5928689.html

Dicom viewer mango Windows
http://ric.uthscsa.edu/

Train CNNs to predict the contours of the LV

https://github.com/woshialex/diagnose-heart

https://github.com/jocicmarko/kaggle-dsb2-keras/
Deep Learning with Keras and Tensorflow
https://github.com/leriomaggio/deep-learning-keras-tensorflow/

Keras Deep Learning Tutorial for Kaggle 2nd Annual Data Science Bowl
https://github.com/jocicmarko/kaggle-dsb2-keras