

Description of ift6266h12 repo

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www.assembla.com/spaces/ift6266h12/wiki/Git_et_assembla

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Git et assembla

In order to properly contribute to ift6266h12 repository, please make a fork of it.

To do this, go [here](#). Please make a fork of the space, not a new tab.

- Repo: <http://www.assembla.com/spaces/ift6266h12/wiki>

TODO:

- Make sure to have your public key registered with assembla
- Create a fork of the repository
- Learn to properly use **Git**

```
1 echo $PYTHONPATH
2 cd $HOME/repos
3 git clone git@git.assembla.com:user-ift6266h12-fork.git
4 ln -s user-ift6266h12/ift6266h12 ift6266h12
5 cd user-ift6266h12
6 git remote add central \
7     git@git.assembla.com:ift6266h12.git
8 git fetch central
9 git checkout -b pca_terry central/master
10 ...
11 git add -p
12 git commit
13 git push origin pca_terry
```

- http://deeplearning.net/software/theano/dev_start_guide.html

- *utils* folder containing I/O functionality
 - load_train_input
 - load_train_labels
 - load_valid_input
 - load_test_input
- *server* folder containing code simulating the UTLC server

- Data is stored in

/data/lisa/data/UTLC

```
1 if [ -e "/opt/lisa/os/.local.bashrc" ];\  
2   then source /opt/lisa/os/.local.bashrc;\  
3   else source /data/lisa/data/local_export/.local.bashrc;\  
4 fi
```

- Python library for machine learning (numpy/scipy based)
- well documented
- stable
- diverse
- pure-python implementation !
- offers *PCA* and *RandomizedPCA*
- <http://scikit-learn.org/stable/>

- ML-library developed in the LISA lab (we had a pylearn and plearn before)
- based on Theano
- tries to be flexible yet simple to draft known algorithms
- not that well documented
- not ready for prime time

- GO through the code for running a De-noising AutoEncoder
- GO to the PCA implementation

- Offers implementation for PCA
- I got confusing signals regarding the quality of the code
- It seems last year people mostly relied on scikits

Questions ?