XGBoost:
Installation Procedure for Use on Jupyter Notebook Hub

Paul J. Meza-Morales, Ph.D.

Chemical & Biomolecular Engineering
Clemoson University

May 13, 2020

Installation Procedure

```
$ logging to palmetto account
$ qsub -I -l select=1:ncpus=8:mem=64gb, walltime=4:00:00
$ module purge
$ module load anaconda3/5.1.0
$ conda create -n ML python=3.6
$ source activate ML
$ conda install Jupyter
$ conda install -c conda-forge seaborn
$ conda install -c conda-forge pandas
$ conda install -c conda-forge matplotlib
$ conda install -c conda-forge xgboost
$ conda install -c conda-forge ase
$ python -m ipykernel install --user --name python_custom
    --display-name "MyXGBoost"
```

open your jupyter notebook from your web browser and select the kernel "MyXGBoost"

Useful Links

XGBoost:
https://xgboost.readthedocs.io/en/latest/
Conda Environments:
https://docs.conda.io/projects/conda/en/latest/user-guide/concepts/environments.html
Managing Conda Environments:
https://docs.conda.io/projects/conda/en/latest/user-guide/tasks/manage-environments.htmlremoving-an-environment
Adding New Kernels to Jupyterhub on Palmetto Cluster:
https://www.palmetto.clemson.edu/palmetto/jupyterhub$_add_kernel.html$