To start experiments

Set-up experiments:

Make new folder (you can call it gridlabd)

Download anaconda

Set up an anaconda environment

Open environment

Download all dependencies for Gridlab-d

Getting GLD version 4 working on Mac 10.12.2

Step 1: Disable System Integrity Protection (rootless) in Mac OS X (not sure if this is needed)

http://osxdaily.com/2015/10/05/disable-rootless-system-integrity-protection-mac-os-x/

Step 2:

host% /usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"

host% brew install automake

host% brew install gcc

host% brew install libtool

host% brew install git

host% brew install wget

host% brew install xerces-c

host% brew install homebrew/science/armadillo

host% brew install mysql

host% brew install Caskroom/cask/mysqlworkbench

host% brew unlink mysql

host% brew install mysql-connector-c

host% mkdir ~/gridlabd

host% cd ~/gridlabd

host% git clone https://github.com/gridlab-d/gridlab-d.git

host% cd ~/gridlabd/source

host% brew install --with-default-names gnu-sed

Step 3

autoreconf -isf

./configure --with-fncs=/usr/local 'CPP=gcc-7 -E' 'CXXPP=g++-7 -E' 'CC=gcc-7' 'CXX=g++-7' 'CXXFLAGS=-w -O1' 'CFLAGS=-w -O1'

sudo make

sudo make install

gridlabd --version

//GridLAB-D 4.0.0-0 (Keeler) 64-bit MACOSX RELEASE

gridlabd --validate

//Validation report:

//504 models tested

//3 unexpected errors

//501 tests succeeded

//99% success rate

//Total validation elapsed time: 385.5 seconds

ERROR [INIT] : /All\_GridLAB-D/gridlab-d-release-RC4.0/market/autotest/test\_dutycycle\_CPP.glm error unexpected, code 1 (bad command) in 0.1 seconds

ERROR [INIT] : /All\_GridLAB-D/gridlab-d-release-RC4.0/market/autotest/test\_dutycycle\_TOU.glm error unexpected, code 1 (bad command) in 0.1 seconds

ERROR [INIT] : /All\_GridLAB-D/gridlab-d-relea

host % cd ~/gridlabd

host% conda create -n myenv python=3.6

host% source activate myenv

host% pip install ipython

host% pip install pandas

host% git remote add gridlabd <https://github.com/gridlab-d/gridlab-d.git>

host% git checkout –b f730

host% git pull gridlabd feature/730