

OLED User Manual

October 21, 2018

1 Installation

- Clone or download the source code from `https://github.com/nkatzz/OLED`.
- Open a terminal and navigate to the location where the source code is cloned. In what follows we'll refer to this directory by `/oledhome`.
- From inside `/oledhome` type in the terminal:
`cp -r OLED/install-scripts .`
- `cd` into the `install-scripts` folder and type:
`./install.sh`
You will need `sudo` privileges to run the install script. The whole process will take some time to complete.
- If all goes well your `/oledhome` should now look as in Figure 1:
- Modify paths.

Parsing CAVIAR Into Mongo

- Download the dataset from here: `http://users.iit.demokritos.gr/~nkatzz/data/CAVIAR-abrupt-original.tar.gz`
- Run:
`java -cp oled.jar:/lib/jep-3.6.3.jar -Djava.library.path=/opt/jep-home/lib/python/jep`

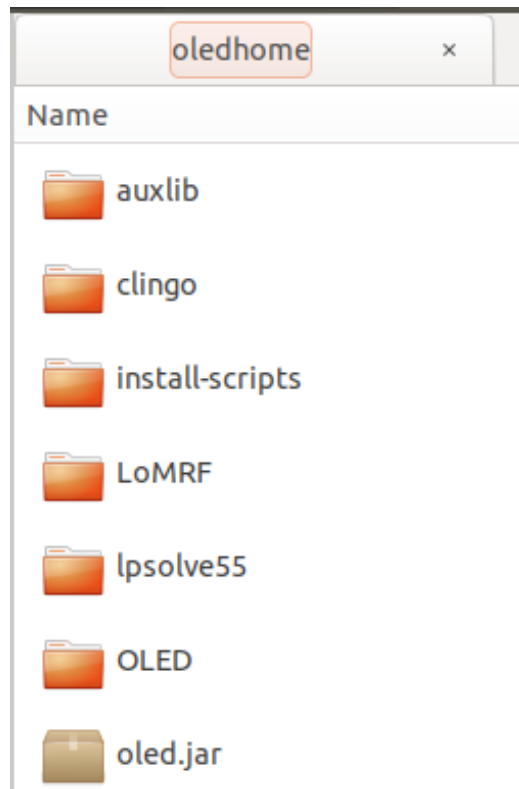


Figure 1: Post-installation structure of your /oledhome.

```
data_handling.ParseCAVIAR /path/to/unzipped.dataset dbname
```

For example:

```
java -cp oled.jar:/lib/jep-3.6.3.jar -Djava.library.path=/opt/jep-home/lib/python/jep
data_handling.ParseCAVIAR /home/nkatz/dev/CAVIAR-abrupt-original caviar
```

Building LoMRF

Run sbt from within the `auxlib` folder and do `publishLocal`. Then run sbt from within the `LoMRF` folder and do `publishLocal`.

.profile

```
LD_LIBRARY_PATH=/home/nkatz/dev/lpsolve55:/home/nkatz/software/jep-home/lib/pythonjep:$LD_LIBRARY_PATH
export PATH=$PATH:/home/nkatz/dev/LoMRf/target/universal/LoMRf-0.5.5-SNAPSHOT/bin:/home/nkatz/software/clingo-4.5.4-source/build/release
export PYTHONPATH=$PYTHONPATH:/home/nkatz/software/clingo-4.5.4-source/build/release/python:/home/nkatz/software/jep-home/lib/python
export LD_LIBRARY_PATH
```