

# OLED User Manual

October 21, 2018

## 1 Installation

The whole process is illustrated in Figure 1. In detail, do the following:

- 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 2:
- Modify paths.

## Parsing CAVIAR Into Mongo

- Download the dataset from here: <http://users.iit.demokritos.gr/~nkatz/data/CAVIAR-abrupt-original.tar.gz>

```

nkatz@nkatz-laptop:~/oledhome$ git clone https://github.com/nkatzz/OLED.git
Cloning into 'OLED'...
remote: Enumerating objects: 16, done.
remote: Counting objects: 100% (16/16), done.
remote: Compressing objects: 100% (15/15), done.
remote: Total 1749 (delta 1), reused 10 (delta 1), pack-reused 1733
Receiving objects: 100% (1749/1749), 77.01 MiB | 852.00 KiB/s, done.
Resolving deltas: 100% (985/985), done.
nkatz@nkatz-laptop:~/oledhome$ cp -r OLED/install-scripts .
nkatz@nkatz-laptop:~/oledhome$ cd install-scripts/
nkatz@nkatz-laptop:~/oledhome/install-scripts$ ./install.sh
[sudo] password for nkatz:

```

Figure 1: Illustration of the installation process.

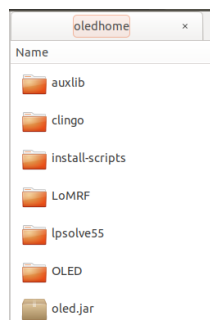


Figure 2: Post-installation structure of your /oledhome.

- Run:

```

java -cp oled.jar:/lib/jep-3.6.3.jar -Djava.library.path=/opt/jep-home/lib/python/jep
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

```