

Openface Infer Flow

-1.Create raw image directory

```
$ tree data/mydataset/raw
person-1
├── image-1.jpg
├── image-2.png
├── ...
└── image-p.png
...
person-m
├── image-1.png
├── image-2.jpg
├── ...
└── image-q.png
```



-2.Preprocess the raw images

```
for N in {1..8}; do ./util/align-dlib.py
<path-to-raw-data> align
outerEyesAndNose <path-to-aligned-
data> --size 96 & done
```



-2.5.Create the DNN Model

```
Run training/main.lua to start
training the model. Edit the dataset
options in training/opts.lua or pass
them as command-line parameters
```

DNN Model
nn4.small2.v1.t7

-3.Generate Representations

```
./batch-represent/main.lua -outDir
<feature-directory> -data <path-to-
aligned-data>
```

labels.csv
reps.csv

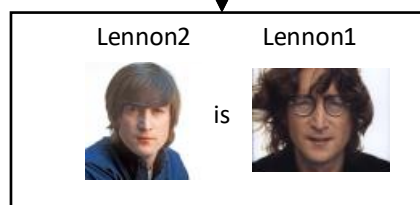
-4.Create the Classification Model

```
./demos/classifier.py train <feature-
directory>
```

Classification Model
celeb-classifier.nn4.small2.v1.pkl

-5.Infer by Classification Model

```
./demos/classifier.py infer ./models/
openface/celeb-
classifier.nn4.small2.v1.pkl images/
examples/{carell,adams,lennon}*
```



rep

