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

Lennon2 Lennon1

is