

INITIAL STEP:

Please ensure that the submission_new folder is over the desktop ,For smooth flow below steps.

IF you are working over the vm which I had submitted please follow the below command

Activating python working environment:

\$workon caffe

If the environment is setup according the installation which I mentioned in installations document:

Please use

\$workon gurus

Next change directory to submission_new on desktop

\$cd Desktop/submission_new

Running face recognition app

To run face recognition app over a web browser from saved videos:

\$python facereco_web.py --video ~/Desktop/submission_new/demo_videos/sleep.mp4

(If you need to run demo on any other video please change sleep.mp4 to allu.mp4)

And then open address [http:// 0.0.0.0:5000](http://0.0.0.0:5000) to run the app

To run face recognition app over a desktop from saved videos:

\$python facereco.py --video ~/Desktop/submission_new/demo_videos/sleep.mp4

During when the program is running you will see a window pop up showing the resultant video feed

To run the algorithm by web feed simply run

\$python facereco_web.py (for web version app)

Or

\$python facereco.py (for desktop version app)

But maybe while testing you may not have live web feed running so this web feed version don't work.

Running sleep monitoring app

To run sleep monitoring app over a web browser from saved videos:

```
$python sleep_web.py --video ~/Desktop/submission_new/demo_videos/sleep.mp4
```

(If you need to run demo on any other video please change sleep.mp4 to allu.mp4)

And then open address [http:// 0.0.0.0:5000](http://0.0.0.0:5000) to run the app

To run face recognition app over a desktop from saved videos:

```
$python sleep_detector.py --video ~/Desktop/submission_new/demo_videos/sleep.mp4
```

During when the program is running you will see a window pop up showing the resultant video feed

To run the algorithm by web feed simply run

```
$python sleep_web.py (for web version app)
```

Or

```
$python sleep_detector.py (for desktop version app)
```

But maybe while testing you may not have live web feed running so this web feed version don't work.

Running rigourous movement app

To run movement detection app over a web browser from saved videos:

```
$python rigourous_web.py --video ~/Desktop/submission_new/demo_videos/sleep.mp4
```

(If you need to run demo on any other video please change sleep.mp4 to allu.mp4)

And then open address [http:// 0.0.0.0:5000](http://0.0.0.0:5000) to run the app

To run movement detection app over a desktop from saved videos:

```
$python rigourous_movement.py --video ~/Desktop/submission_new/demo_videos/sleep.mp4
```

During when the program is running you will see a window pop up showing the resultant video feed

To run the algorithm by web feed simply run

```
$python rigourous_web.py (for web version app)
```

Or

```
$python rigourous_movement.py (for desktop version app)
```

But maybe while testing you may not have live web feed running so this web feed version don't work.

To run facial expression and gender classification app

Please change the working directory to Face_class
\$cd Desktop/submission_new/Face_class

To run facial classification app over a web browser from saved videos:

\$python face_classification_web.py --video

~/Desktop/submission_new/demo_videos/sleep.mp4

(If you need to run demo on any other video please change sleep.mp4 to allu.mp4)

And then open address [http:// 0.0.0.0:5000](http://0.0.0.0:5000) to run the app

To run face classification app over a desktop from saved videos:

\$python face_classification.py --video ~/Desktop/submission_new/demo_videos/sleep.mp4

During when the program is running you will see a window pop up showing the resultant video feed

To run the algorithm by web feed simply run

\$python face_classification_web.py (for web version app)

Or

\$python face_classification.py (for desktop version app)

But maybe while testing you may not have live web feed running so this web feed version don't work.