Task

1. List the other face detection methods
2. Understand HOG
3. But what if other algorithms can be trained to find only non frontal face

After installation of Dlib, OpenCV, imutils we started with face detection.

Various facial detection implementations:

1. HOG

We started with HOG (Histogram Of Oriented Gradients ) as this is already implemented in dlib and we can just call the function.

Refer to this website for comparison of facial detection methods , an article about which face detector to use a very good article

https://www.learnopencv.com/face-detection-opencv-dlib-and-deep-learning-c-python/

We are assuming that for facial recognition we need to have a nice frontal feature so I thought the face detection algorithms which doesn’t work with non frontal face are suitable as face recognition has to be accurate.

That’s why we fix that our face detection algorithm is going to be HOG only

But what if other algorithms can be trained to find only non frontal face