

For Week 3 and Week 4, we are developing our class project for face recognition and gender estimation.

The unfinished code are uploaded for now and I will upload the full code before our Week 8 class. Please refer to our slides in Week 3 class 2 for the general structures and design of the project.

TODO:

In this code, there are several TODOs you could try to finish.

Model:

Please try to train your own caffe model. I will upload the pre-trained models before our Week 8 class.

For dlib landmark detection: You can get the `shape_predictor_68_face_landmarks.dat` file from: [http://dlib.net/files/shape\\_predictor\\_68\\_face\\_landmarks.dat.bz2](http://dlib.net/files/shape_predictor_68_face_landmarks.dat.bz2)

In our Week4 class, we will get through the project and after that you could finished your own version of project according to the full version of my code.

Any modifications to make your project cool and fancy are greatly welcomed!  
Have fun!

Thanks.

Some links you might use:

Caffe model zoo: <https://github.com/BVLC/caffe/wiki/Model-Zoo>

Data and model for gender recognition: <https://github.com/BVLC/caffe/wiki/Model-Zoo#models-for-age-and-gender-classification>

VGG face dataset: [http://www.robots.ox.ac.uk/~vgg/data/vgg\\_face/](http://www.robots.ox.ac.uk/~vgg/data/vgg_face/)

Webface clean dataset: <http://www.down20.com/f-170364248744426>