

Face
Emotion

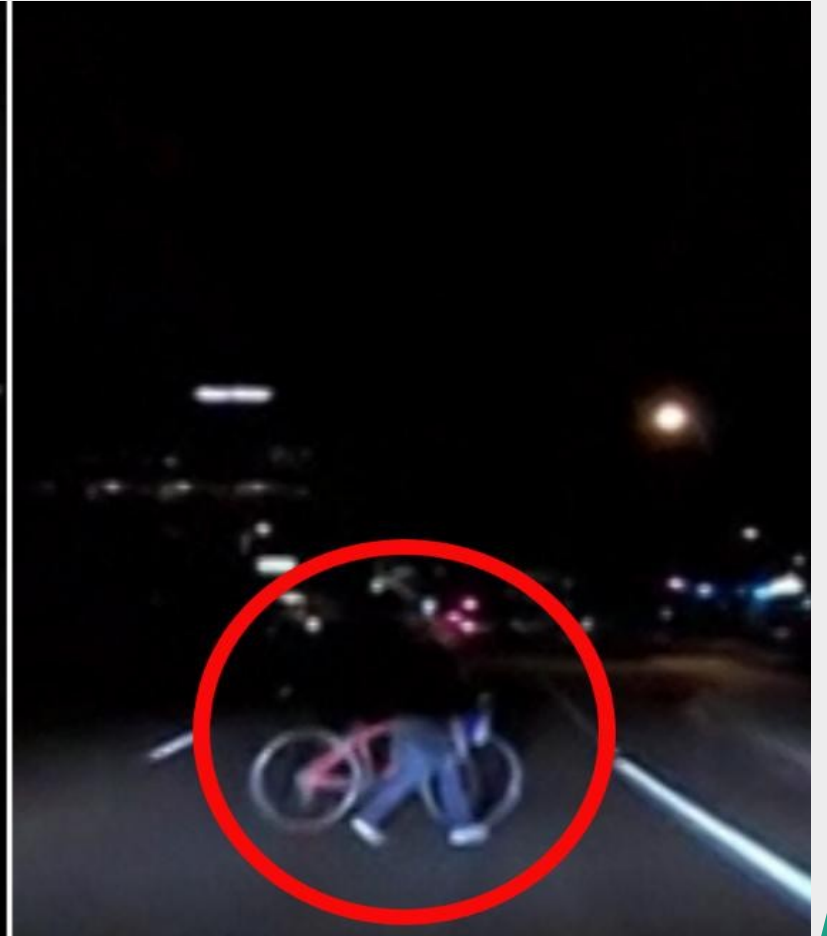
What is the face emotion?



Where you can use face emotion?

- Self Driving
- Uber
- Caream
- Race
- Mall
- Bank
- Schools

Uber



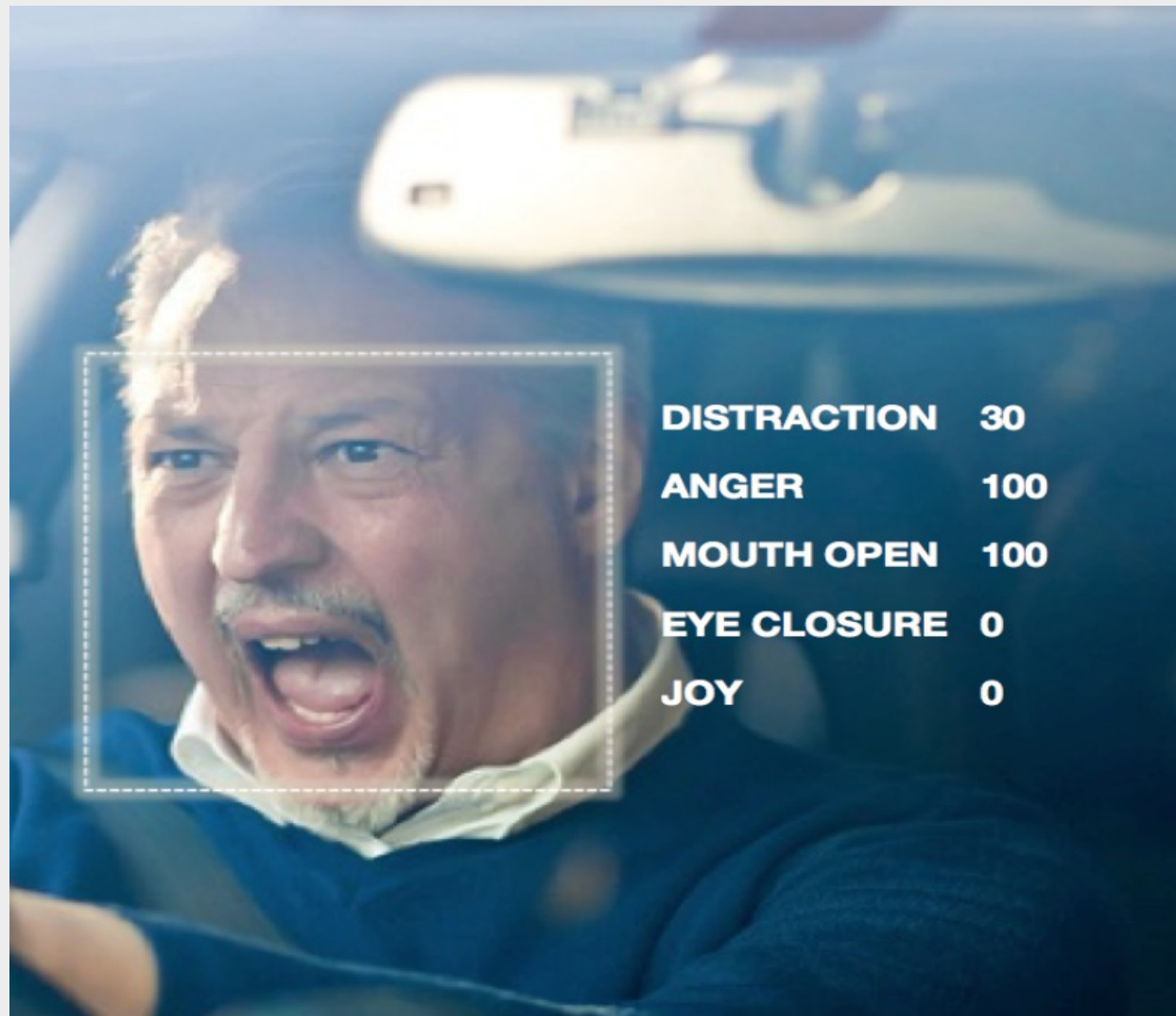
Uber



Real life problem



Real life problem



Schools

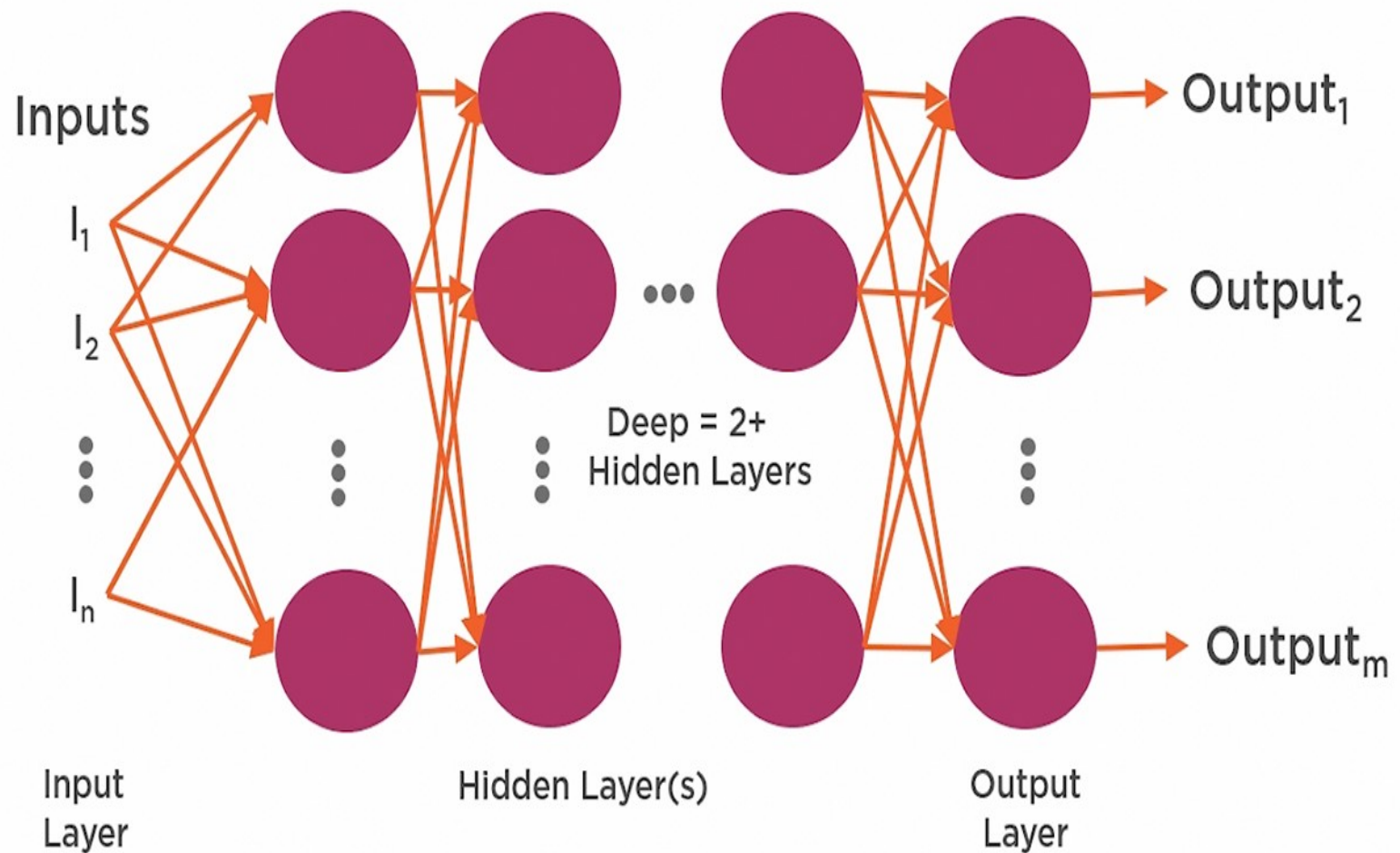


Algorithms and libraries that we will learn

- NN
- DNN
- ANN
- CNN
- OpenCV & DNN
- Keras
- Tensorflow

NN

Deep Neural Network Layers



Deep Neural Network

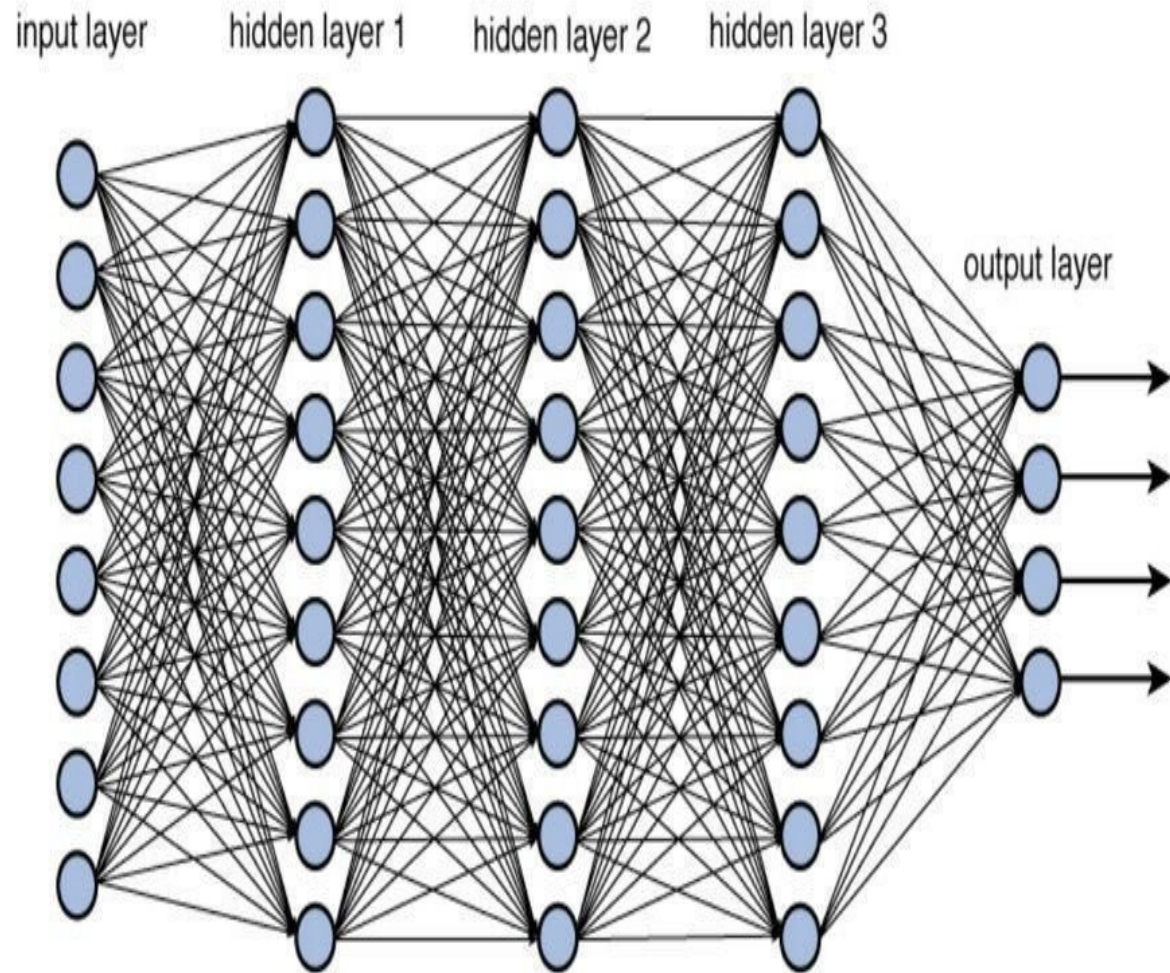
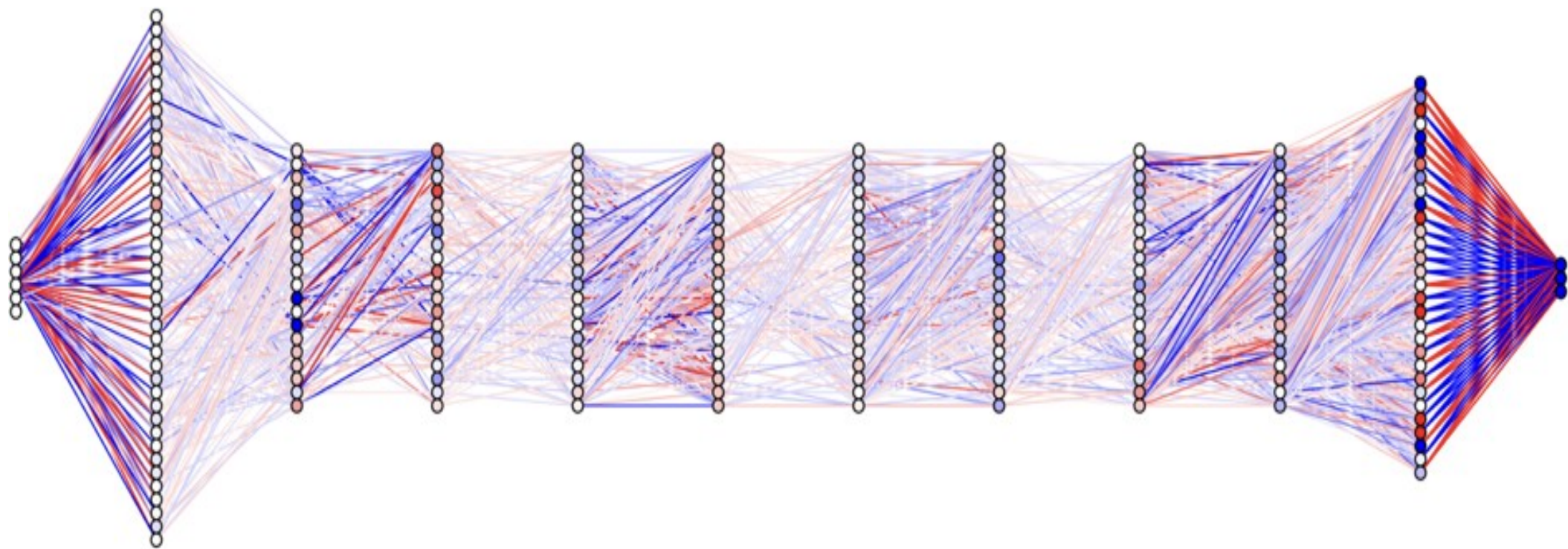
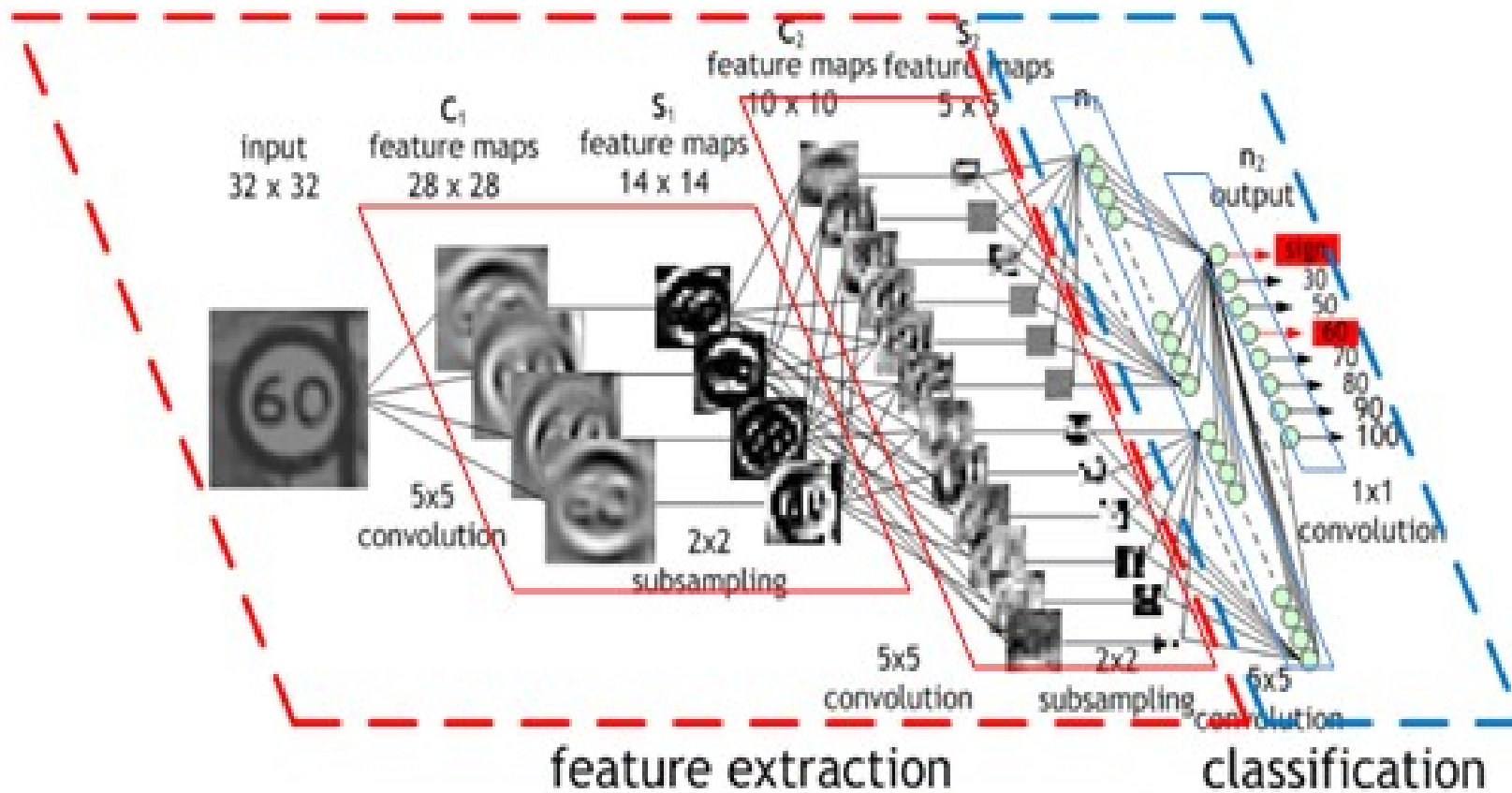


Figure 12.2 Deep network architecture with multiple layers.

DNN



CNN



Keras

TensorFlow / Theano / CNTK / ...

CUDA / cuDNN

BLAS, Eigen

GPU

CPU

1. Define Network

2. Compile Network

3. Fit Network

4. Evaluate Network

5. Make Predictions

Surprise



Surprise

