PYCAFFE CHEATSHEET

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CPU Mode

caffe.set_mode_cpu()

GPU Mode

caffe.set_mode_gpu()

Net

The main class that the pycaffe interface exposes is the Net. It has two constructors:

Create a Net (in this case using the Data Layer specified for training)

net = caffe.Net('/path/prototxt/descriptor/file', caffe.TRAIN)

Creates a Net and automatically loads the weights as saved in the provided caffemodel file - in this case using the Data Layer specified for testing.

net = caffe.Net('/path/prototxt/descriptor/file', '/path/caffemodel/weights/file', caffe.TEST)

Net.blobs

data = net.blobs['data'].data
net.blobs['data'].data[...] = my_image
fc_activations = net.blobs['fc'].data

Parameters