The datasets x\_train.mat, x\_test.mat, y\_train.mat, y\_test.mat are exactly what they sound like

Clean\_feature\_data.m takes the data (data.mat, not uploaded yet since they’re so large) and splits it into train, test and CV datasets (train.mat, test.mat, and I forgot what the CV files are called).

Generate\_data.m takes train.mat and test.mat and generates smaller training and testing datasets with ntrain and ntest instances, respectively.

Small\_train.mat and small\_test.mat are small training and testing datasets.

NeuralNet.py learns a fully-connected ANN.