Ling 572 HW6

Michael Roylance, Olga Whelan

**Q1** mallet import-svmlight --input examples/train2.vectors.txt --output train2.vectors

mallet train-classifier --input train2.vectors --trainer MaxEnt --output-classifier ml.model

mallet classify-svmlight --input examples/test2.vectors.txt --output result --classifier ml.model

classifier2info --classifier q1/m1 > q1/m1.txt

mallet import-svmlight --input examples/test2.vectors.txt --output test2.vectors --use-pipe-from train2.vectors

vectors2classify --training-file train2.vectors --testing-file test2.vectors --trainer MaxEnt > me.stdout 2>me.stderr

train accuracy mean = 0.9685185185185186

test accuracy mean = 0.8266666666666667

**Q2** The test accuracy is 0.8266666666666667. It is the same as in Q1 because we are using the same model as mallet and (we guess) implementing MaxEnt correctly.