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**Homework 6**

**Q1)**

The command I used is also included in the tar file under q1.sh:

```
#!/bin/sh
rm -rf q1
mkdir q1
mallet import-svmlight --input examples/train2.vectors.txt examples/test2.vectors.txt
--output q1/train2.vectors q1/test2.vectors
mallet train-classifier --input q1/train2.vectors --trainer MaxEnt --output-classifier q1/m1
mallet classify-svmlight --input examples/test2.vectors.txt --output q1/classified.txt
--classifier q1/m1
classifier2info --classifier q1/m1 > q1/m1.txt
vectors2classify --training-file q1/train2.vectors --testing-file q1/test2.vectors --trainer
MaxEnt --report test:raw test:accuracy test:confusion train:confusion train:accuracy>
q1/out.stdout 2>q1/out.stderr
```

**Q2)**

<b>What is the test accuracy?</b>	82.6667%
<b>Is this the same test accuracy as Q1?</b>	Yes
<b>Why or why not?</b>	It is the same because the algorithm that mallet uses for MaxEnt is the same as the one used for this homework problem.

**Q3 & Q4)** The files have been included in the tar file for this. I didn't see any specific questions to answer on the homework assignment, but if you'd like to look at my code you can see the src/MainQX for each question (as well as the corresponding bash file).