**IST687 – Text Mining Homework**

**Step 1: Read in the positive and negative word files**

1. Create two vectors of words, one for the positive words and one for the negative words
2. Note that when reading in the word files, there might be lines at the start and/or the end that will need to be removed (i.e. you should clean you dataset).

**Step 2: Process in the MLK speech**

1. Read the text file
2. Create a term matrix
3. Create a list of counts for each word

**Step 3: Determine how many positive words were in the speech**

1. Scale the number based on the total number of words in the speech
2. Hint: one way to do this is to use the ‘match’ function and then ‘which’ function

**Step 4: Determine how many negative words were in the speech**

1. Scale the number based on the total number of words in the speech
2. Hint: this is basically the same as step (3)

**Step 5: Redo the ‘positive’ and ‘negative’ calculations for each 25% of the speech**

1. Compare the results (ex. a simple barchart of the 4 numbers).