Text Analytics: Practical 9
(for Lecture 9: Sentiment Identification)

1) Human Ratings Task:

   a) Get 3 classmates (opinion holders) to write three different opinions about their phone
   b) Get 3 different people (raters) to rate these comments as positive, negative, neutral or can't-say
   c) Take this 3 x 3 matrix and find the inter-rater reliability between your 3 raters using Kappa
   d) If you wanted to get the correlation between raters (using Pearson's *rho*) what would you do? Then do this.

2) Do, some searches and find 3 sentiment lists that are commonly used in previous research. For 2 of these lists, select 10 positive and 10 negative words (randomly).

   Evaluate each word, discussing whether it is really positive/negative; for each one try to find a sentential context in which it might be interpreted with the opposite valence.

3) Bromberg's Sentiment Program:
   Have a look at the simple program that does sentiment analysis. So, take a look at the program and see what is happening in the different variables, but adding print statements on its variables.

   a) Now consider ways to improve the training. Eg if you removed stop-words from the inputs what do you think might happen?
   b) Implement this or another solution in the program and report what happens to the precision and recall of the classifier.