1. [Moved from Assignment 5] Take the patterns of need and want from assignment 4 and load them into R.
   - Using some of the functions you’ve seen and maybe some you discover on your own, explore different ways to visualize and compare the results.
   - Using the chisq.test function, do you find statistically significant differences between the verbs and their patterns?
   - Send me your R code, so I can see the steps you took to obtain your result.

2. Take a Gutenberg text and load it into R. Obtain the average number of words per sentence and the average number of characters per word.

3. Explore the SUSANNE corpus (http://www.grsampson.net/resources.html, also on the nlp.indiana.edu server) and identify possible temporal NPs using egrep (or some other useful tool).
   (a) Using the annotation, provide counts of different kinds of temporal NPs.
   (b) Using further searching capabilities and eyeballing the results, identify different kinds of contexts where temporal NPs occur.
   (c) Using your answer from part #b, develop a way to search only using forms (i.e., no annotation). (You may find the one-sentence-per-line .txt files on the server helpful here.) Give an assessment of the precision and recall here, as compared to the search employing annotation.

4. First, some details for your final project:
   (a) On either Monday, December 7 or Wednesday, December 9, you will give about a 7–10 minute presentation to the class on your corpus project. This is less something that you’ll be graded on and more a chance to share work with each other and receive feedback from me. On November 30, I’ll bring a sign-up sheet to class, so you can sign up for a slot.
   (b) Your final paper (10-20 pages) will be due on Wednesday, December 16 at 5pm.

If you have any questions about any components of the project, let me know.

Now, for this assignment: prepare an approximately one-page outline of what your presentation and paper are going to be. Put problem spots (i.e., the ones needing the most fleshing out) in bold and provide some brief discussion on next steps for these spots.