## Homework 1

1. Install Python (if you don’t have it already), and install NLTK.
2. Follow the instructions in chapter 1 of Bird-Klein for implementing a “lexical diversity” scoring routine.
3. Go to <http://www.gutenberg.org/wiki/Children%27s_Instructional_Books_(Bookshelf)>, and obtain three texts (of different grade levels) from the “Graded Readers” section. Report the lexical diversity score of each. Explain whether the result was surprising.
4. Also compare the vocabulary size of the same three texts. Explain whether the result was surprising.
5. Write a paragraph arguing whether vocabulary size and lexical diversity in combination could be a better measure of text difficulty (or reading level) than either measure is by itself.