

CSCI 931 Class Activity October 12, 2010

1. Write and test a Python function that computes the median of a list of integers. (The median is that element of a list such that half the elements of list are greater than it and half are smaller. Use your best judgment for the case in which this isn't well defined, such as when all the elements are identical.) (Hint: this problem is easy.)
2. Write and test a Python function that computes the average of a list of integers.
3. Write a Python function that computes the vocabulary size of a text. For now, you may assume that sentences end in periods and that words are delineated with white space. Do it twice. The first time, don't worry about words with the same stem — treat them all as different. The second time, account for common suffices, as done in class. Test it on *Moby Dick*.