

Assignment 1: Skills Check

Using the word list provided on the web site, you will be calculating the frequency proportion of each letter in the english language.

You will do this in the following fashion:

1. Write a function which will read in each word, and store it in a vector. Make sure the vector is a reference parameter to the function.
2. Write a function which counts the letters in a word (all letters lower case) using a vector as a reference parameter. You are welcome to use the paradigm of subtracting 'a' to convert characters to the range 0 - 25.
3. Using these 2 functions, read in the word list, and create a vector which holds the counts for each letter, and make a total count of all the occurrences of each letter in the word list.
4. Output a list, one letter per line, of the letter and its relative frequency, in order from most frequent to least frequent. In other words, what percent of the total number of letters is each letter?