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One possible use of Lex would be to determine word frequencies in linguistic analysis of a text. This could be done with an input of a newspaper article, book, or other document. The rules would parse words by looking for series of characters surrounded by white spaces. The rule would also have to remove punctuation and normalize the casing (change it to all upper or lower case). Once a word was found, it could be added to a map that stored the word and word count. Other data could be tracked as well, such as number of paragraphs, which would be counted by looking for newlines and tabs. At the end, a summary of the results would be could be printed to file. Though this would be a relatively simple use of Lex, it could be useful in determining stylistic differences or determining the reading level of a text for children by looking at the difficulty of words overall.