Report: Lesk Algorithm

HOMEWORK 4

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The simplified Lesk Algorithm matches each word with the words present in the gloss and the examples for the sense of the word. This is a problem when you identify words similar to those given in a different sense of the word and add them to you sentence. Some of the outputs of the program have been given below:

Positive Results:

1. Sentence (Input Sentence): all work and no play makes jack a dull boy

Word (Sense required): boy

Best Sense: (Synset('male\_child.n.01'), u'a youthful male person')

1. Sentence (Input Sentence): they had all kinds of books in the library

Word (Sense required): library

Best Sense: (Synset('library.n.01'), u'a room where books are kept')

Negative Result:

1. Sentence (Input Sentence): to work inside his house was a terrible idea

Word (Sense required): house

Best Sense: (Synset('family.n.01'), u'a social unit living together')