**Negative Movie Reviews Are More Positive Than Vice Versa**

**Abstract**

**Introduction**

In this paper, I want find out how the amount of positivity in a text, in the sense of words and sentences, contributes to the overall positivity of the text. In other words: Do positive texts contain more positive words or sentences and vice versa?

I think negative texts are more positive, because people always try to be nice, even in a professional review.

**Background**

….

**Method**

**Data:**

In order to find out if the positivity of a text can be calculated by just counting positive and negative instances I will take a look at the movie reviews corpus. SOURCE!! In this corpus the movie reviews are separated based on their overall sentiment. There are 100 positive movie reviews and 100 negative movie reviews. The movie reviews are tokenized: every sentence is on a different line and the

**Preprocessing**

I renamed the movie reviews as

pos1 … pos1000

and

neg1 … neg1000

and put them in one folder.

**…**

The sentiment values of the individual sentences are extracted by using the vaderSentimentAnalyzer: (source: <https://github.com/cjhutto/vaderSentiment>). This is a Python package which contains a function that takes a sentence as input and returns the polarity scores.

The word values are found by looking at …. (source: …)

**Results:**

**On sentences:**

**Positive reviews:**

More positive sentences: 840

More negative sentences: 160

**Negative reviews:**

More positive sentences: 553

More negative sentences: 447

**On words:**

**Positive reviews:**

More positive sentences: 878

More negative sentences: 122

**Negative reviews:**

More positive sentences: 690

More negative sentences: 310

Maybe use chi-square or something

**Discussions**

What we can see is that most of all reviews are positive when we look at the sentiment values of the sentences and the words. There actually is a difference between positive and negative reviews.

**Results**

Positive reviews:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | pos\_words | neg\_words | pos\_sents | neg\_sents | sentiment value (word) | sentiment value (sentences) |
| 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |

**Discussion,**

**Conclusions**

**Future research.**

**Bibliography**

**(Appendix)**