

# MA615 Assignment 4 - Task Three

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## Sentiment Analysis

I do try to load my book in test2 number space and fail. I found that I can only see the level 1 “anton/” rather than the level 2 “anton/hw\_russian”. And the code is in tnum-66790.R.

So, I produce a sentence-level sentiment analysis using “sentimentr” package.

Sentimentr is also a lexicon-based package. One of the difference is that it can accurately capture the Valence Shifters like Negation that can flip the polarity of a sentence with one word. Like “Hungry” vs. “Not hungry”.

By comparing the result of Task Two and Task Three, I firstly make their index consistent with each other, which means the whole book is cut into word level and sentence level separately, but then are both assigned to ~300 blocks. So we can directly compare the result of the both tasks at each index. They do have similarity, like [40-50], [180-220], [130-150]. There are also some reverse result (possibly due to Negation), like [220-240]..

