

Task Three tnum

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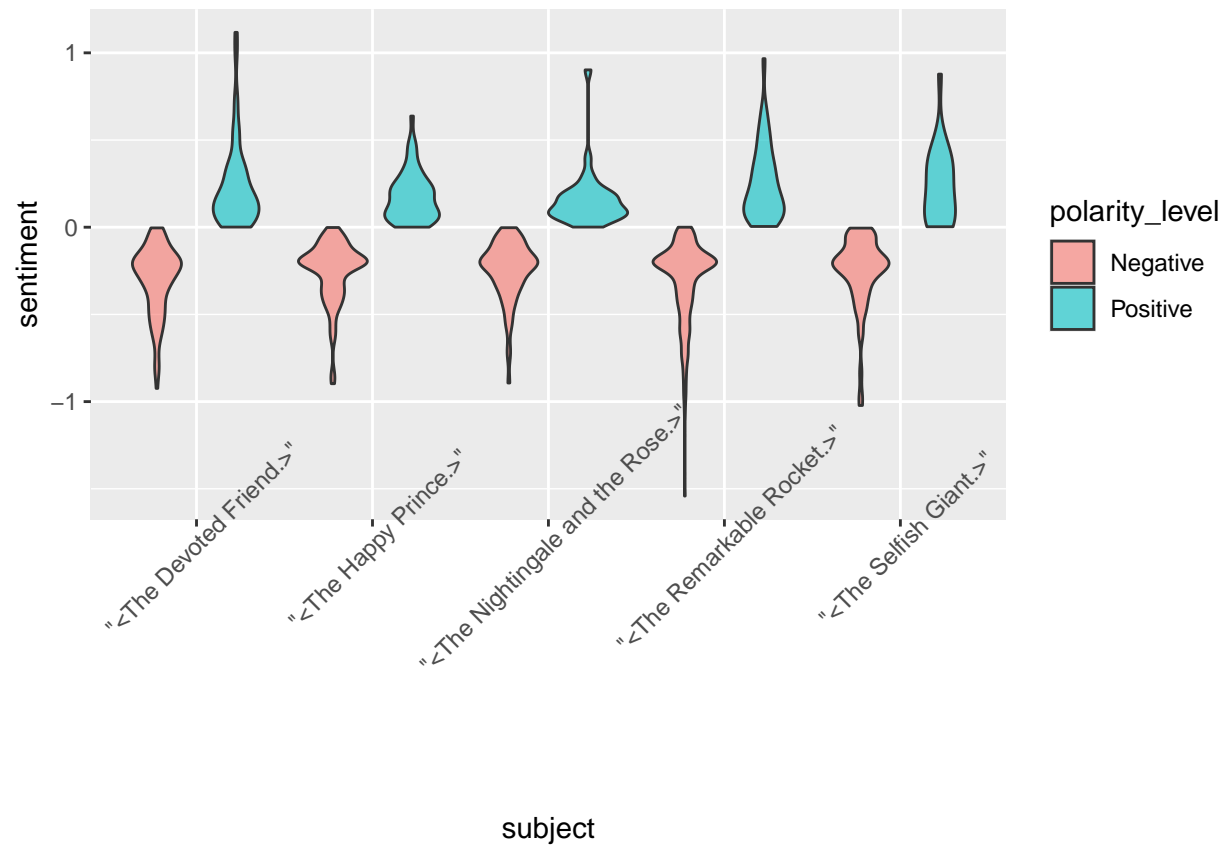
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Task Three

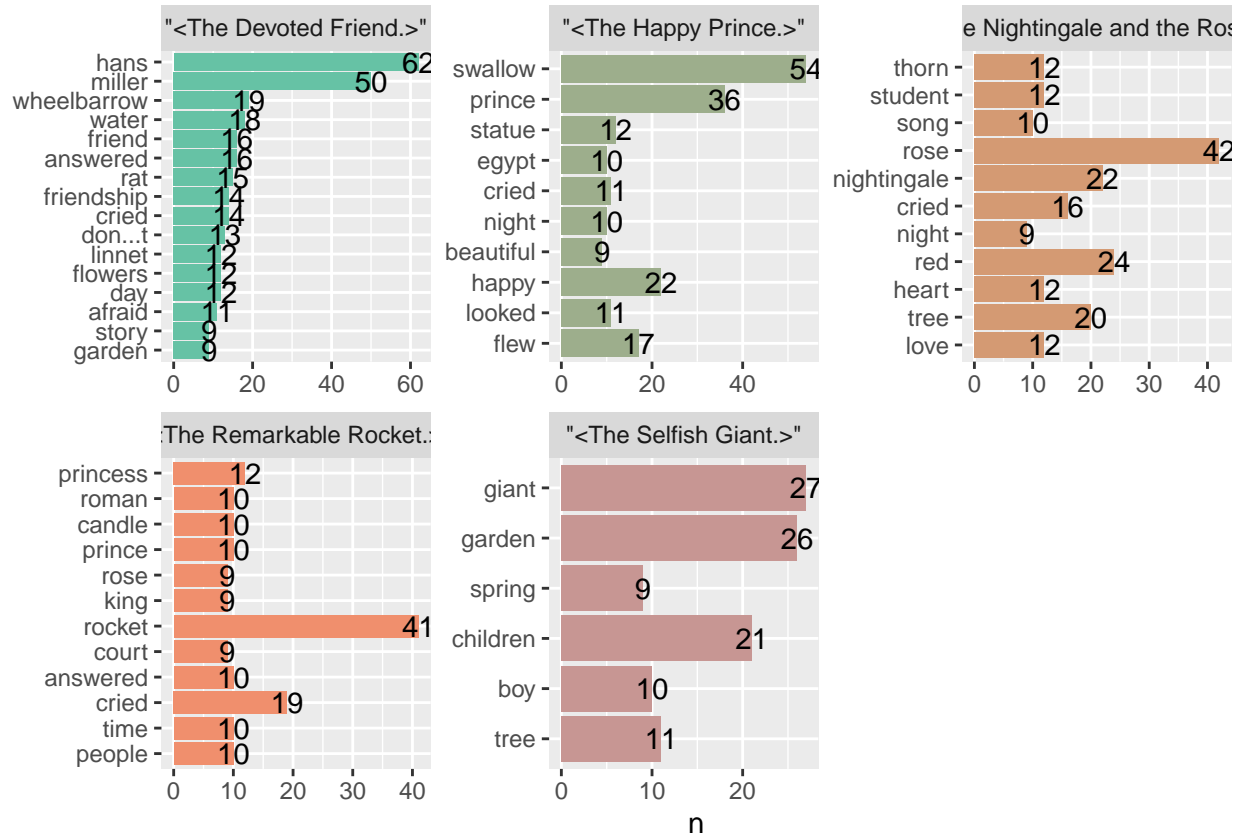
Exploring package *tnum* to cut text by section

subject	string.value
"<The Happy Prince.>"	"Page The Happy Prince 1 The Nightingale and the Rose
"<The Happy Prince.>"	"He was gilded all over with thin leaves of fine gold, for eyes he had two bright sapphires
"<The Happy Prince.>"	"He was very much admired indeed."
"<The Happy Prince.>"	"“He is as beautiful as a weathercock,” remarked one of the Town Councillors who wi
"<The Happy Prince.>"	"“Why can’t you be like the Happy Prince?” asked a sensible mother of her little boy
"<The Happy Prince.>"	"“The Happy Prince never dreams of crying for anything.” “I am glad there is some o

Exploring package *sentimentr*



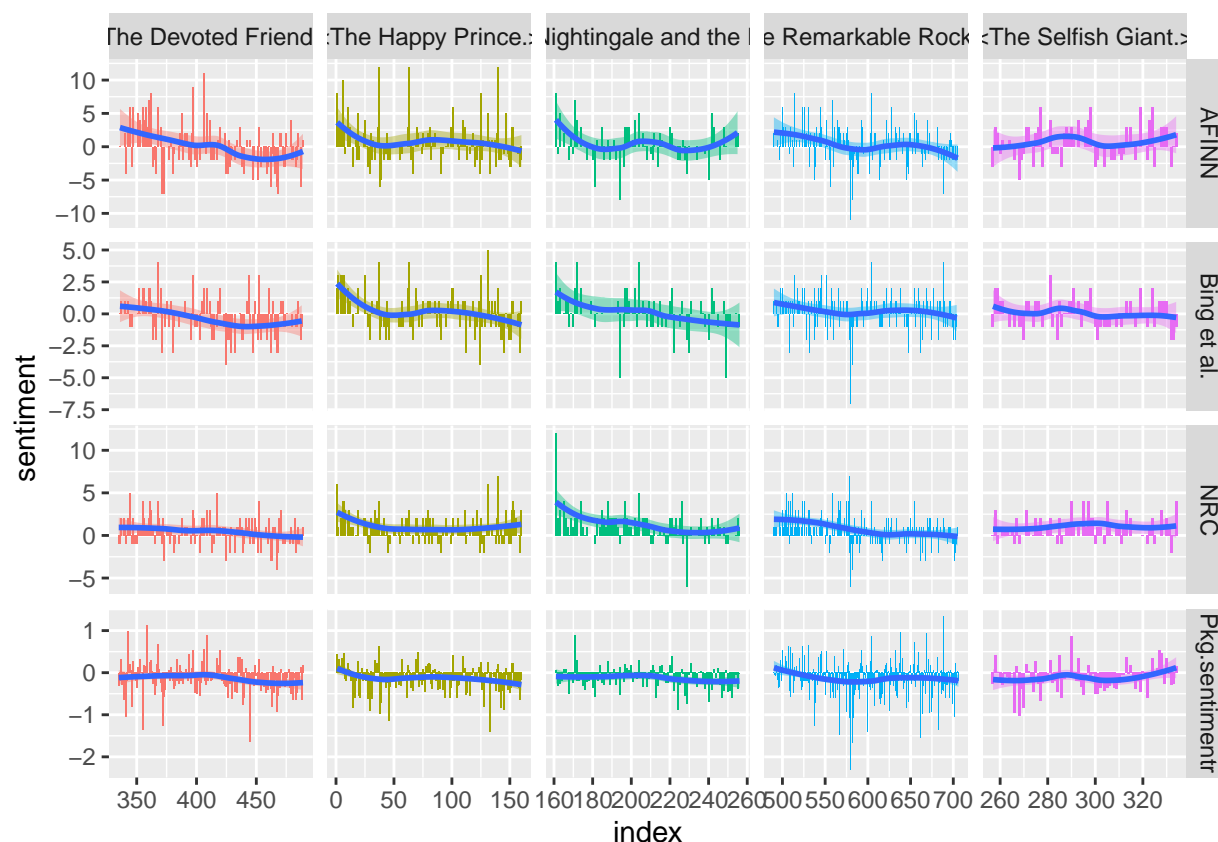
The plot shows that the Rocket story includes more negative words. It highly matches with the plot. The rocket is very sad story.



The first plot shows the keyword of The Devoted Friend; the story talks about two men who is a friend and one man who lives in the water miller; one man had a garden. The second plot shows a story about *swallow* and a *happy prince*; the happy prince is a *beautiful statue*. In the third plot related to The Nightingale and Rose, a *student* deals with a *nightingale* and gives him a *rose*. The fourth plot-related The Remarkable Rocket: This story concerns a *rocket*, one of many to be let off at the wedding of a *prince* and *princess*. The last plot refers to The Selfish Giant: a *giant* which owns a *beautiful* garden with 12 peach *trees* and lovely fragrant flowers, in which *children* love to play after returning from school.

Compared to the previous report, the words count considered stories from different stories, so it was more obvious to see the main plot of each story.

Comparing 3 lexicons and sentimentr package in sentence level



Comparing three lexicons with package ‘sentimentr’, overall, this package seems to produce a more negative result based on cut point 0.2. Since the first four stories tell a lesson about bad conduct that will have a sad outcome, we can see more negative words at the end of the stories in 4 different methods. The Selfish Giant with a happy ending and four lexicons give the same result.

The smooth line shows that the ‘afinn’ lexicon evaluates more specific words, making the smooth lines less stable. But generally, the peaks of words evaluation for each book in the different methods are very similar.

Reference

[1] https://en.wikipedia.org/wiki/The_Happy_Prince_and_Other_Tales#The_Selfish_Giant [2] Haviland Wright, tnum_instructions and examples, https://learn.bu.edu/ultra/courses/_80585_1/cl/outline [3] sentimentr package – <https://github.com/trinker/sentimentr> [4] <https://www.r-bloggers.com/2020/04/sentiment-analysis-in-r-with-sentimentr-that-handles-negation-valence-shifters/>