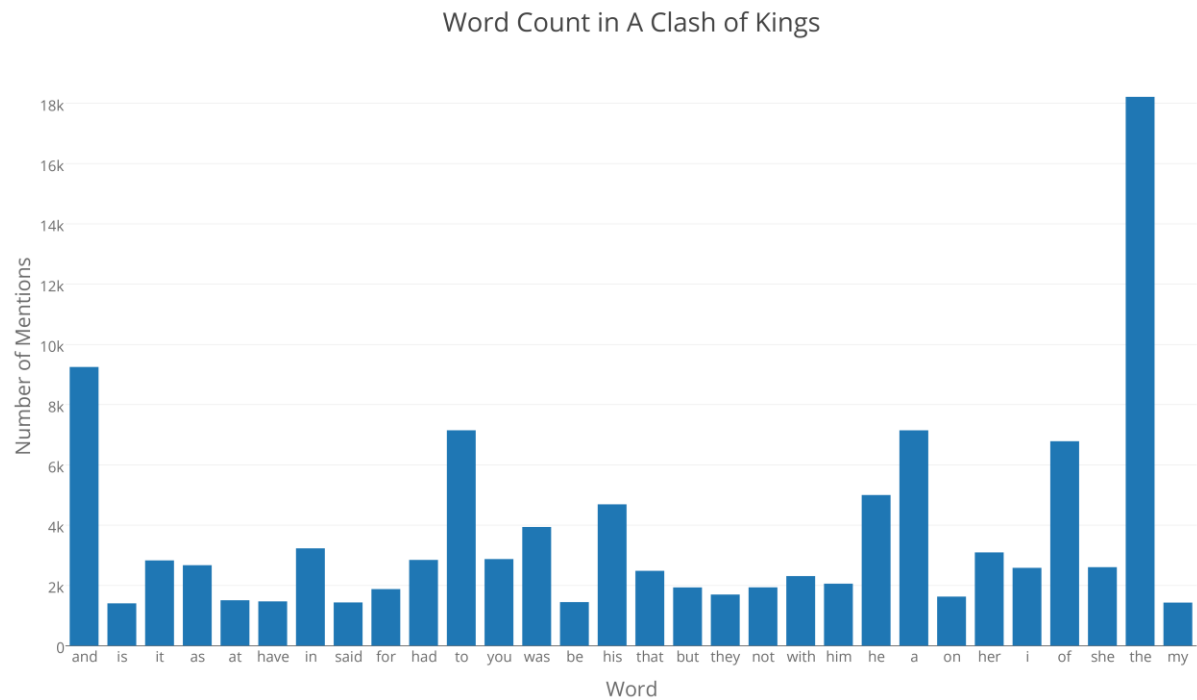
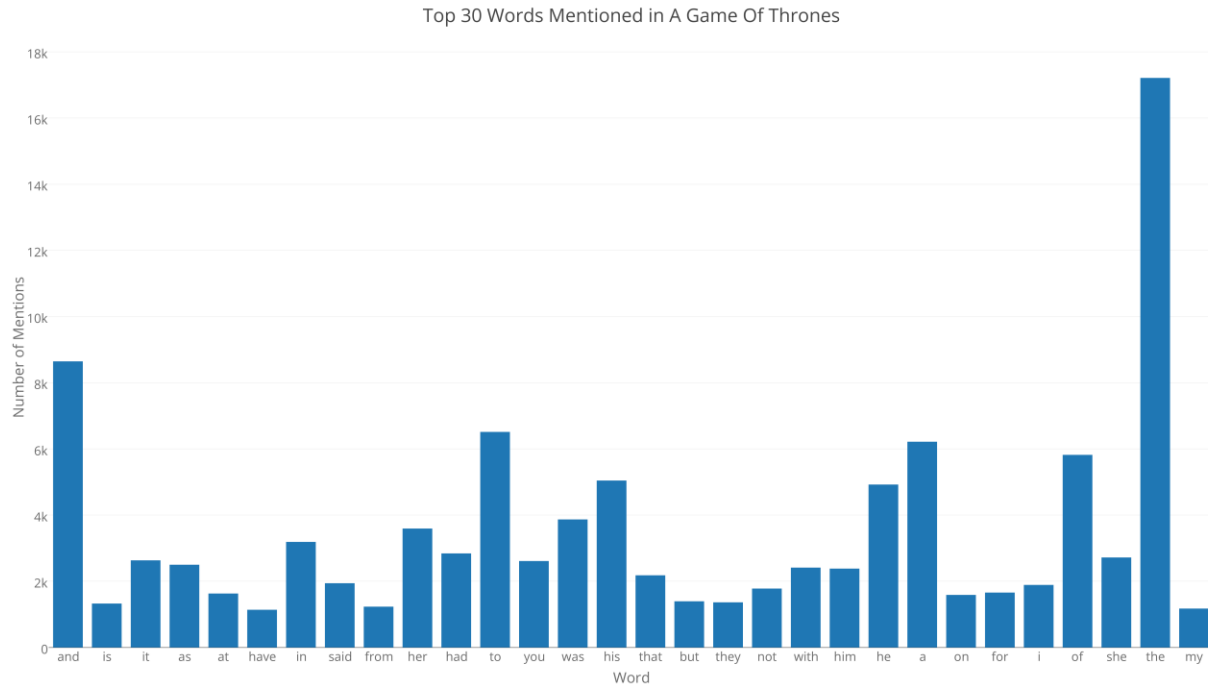
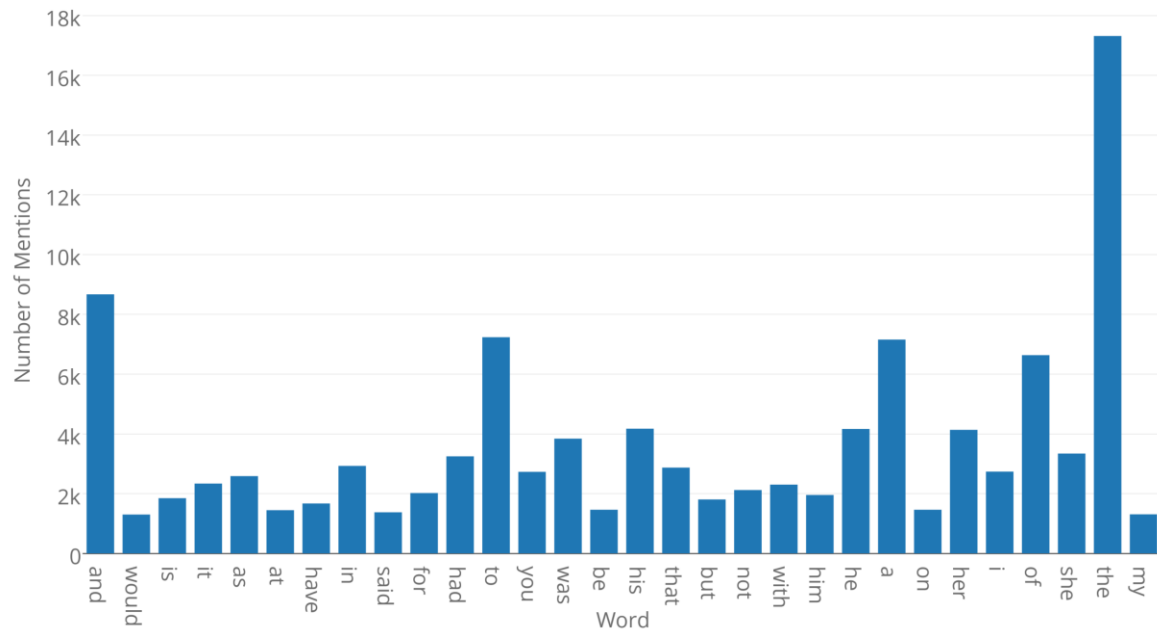


Results of Text Analysis of *A Song of Ice and Fire*

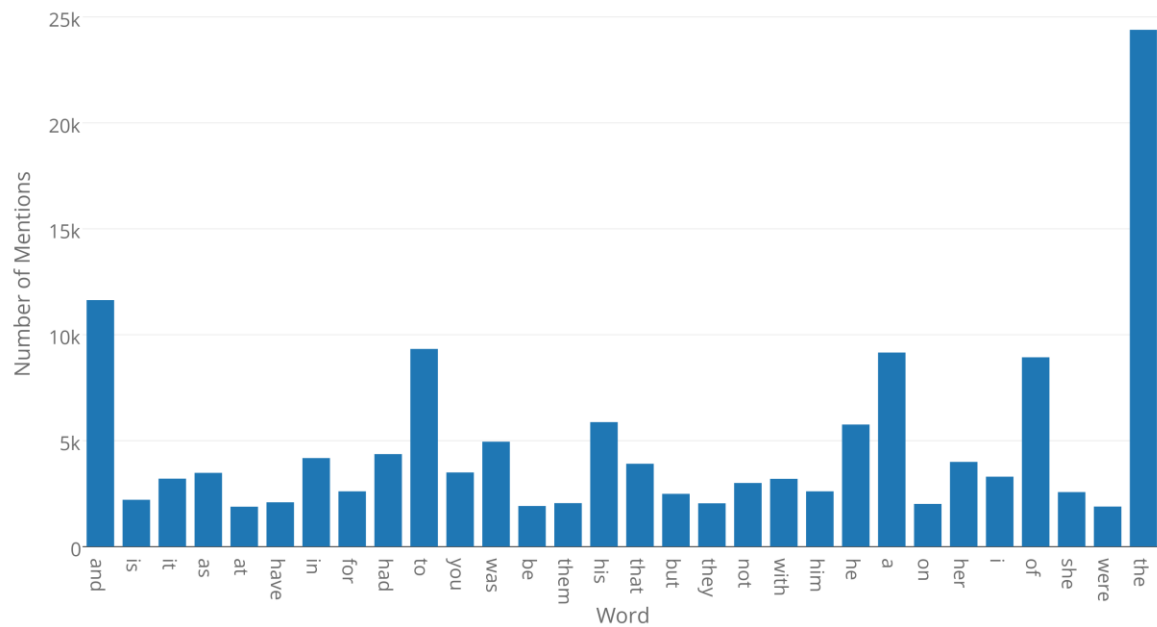
Top 30 words in each book:



Top 30 Words in A Feast of Crows



Top 30 Words in A Dance With Dragons



In all these books, the most commonly used words were “the”, “to”, “and”, “a”, and “of”, which was not very surprising, considering how commonly these are used in the average sentence. When increased to top 50 words, one or two of the books had character names, which was interesting.

Character mentions (pictures in GitHub folder to make them easier to read):

What I found most interesting in character mentions was the fact that “Ser”, a prefix replacing “Sir”, was used significantly, while another title, “Maester”, was not used as frequently though those characters seem as though they are frequently referred to in the novels. Additionally, “Jon” is very popular in the first few books, but this is misleading because two main characters are named Jon, thus the large number of mentions must be due to both the characters. It was also interesting that last names (“Stark”, “Lannister”, etc.) were not mentioned as frequently as first names, though the Houses of each are referred to a lot while reading.

Place mentions (pictures in GitHub folder to make them easier to read):

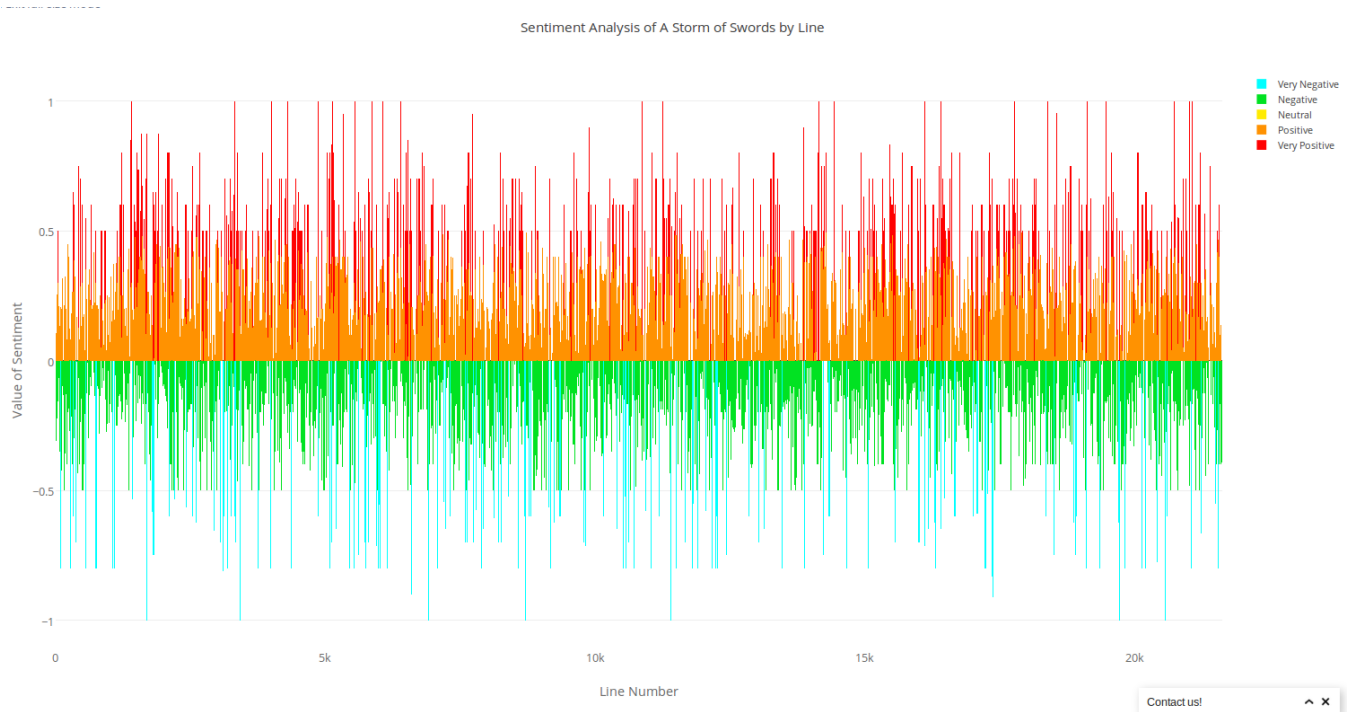
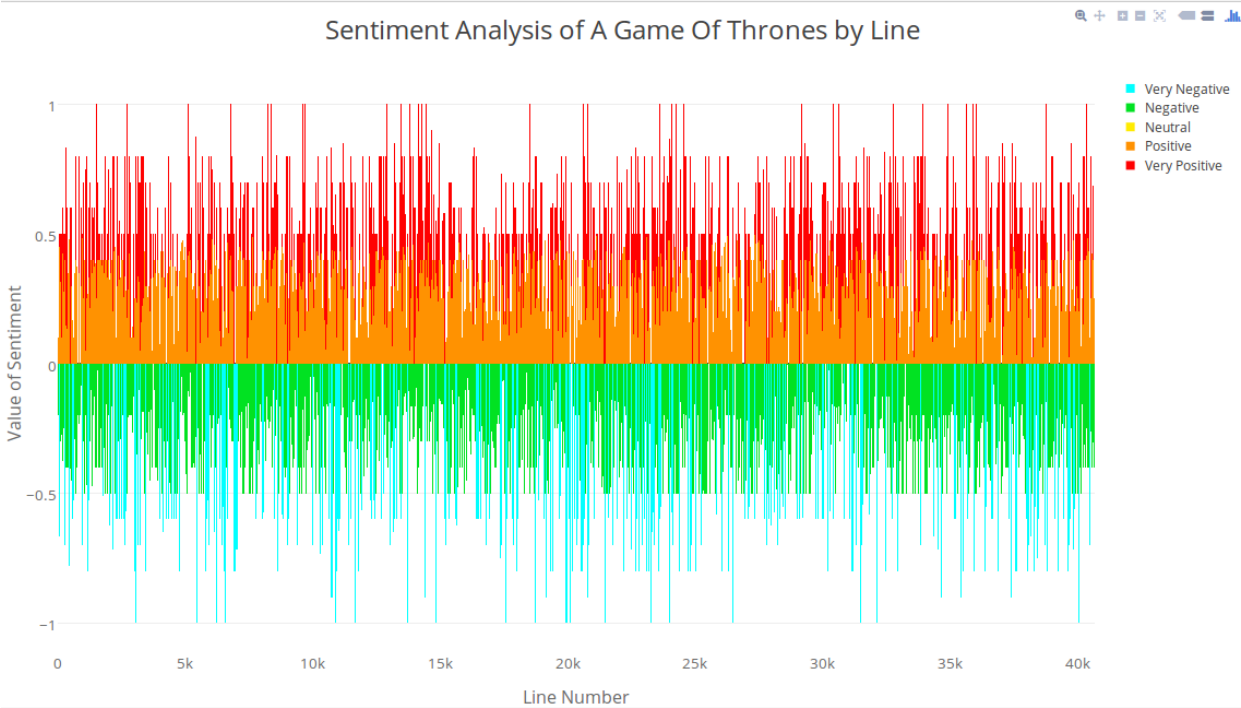
Looking at the places mentioned in each book, it was really fascinating to see how well the graphs matched up with the events of each book; as the first book focused on events happening in very concentrated areas, such as Winterfell, there were not too many names mentioned but the ones that were were extremely common. On the other hand, in book four, *The Feast of Crows*, there are many more POVs and characters travel significantly, thus multiple places are referenced to. Out of all the graphs, these were the most dissimilar across the books.

Sentiment Analysis By Line:

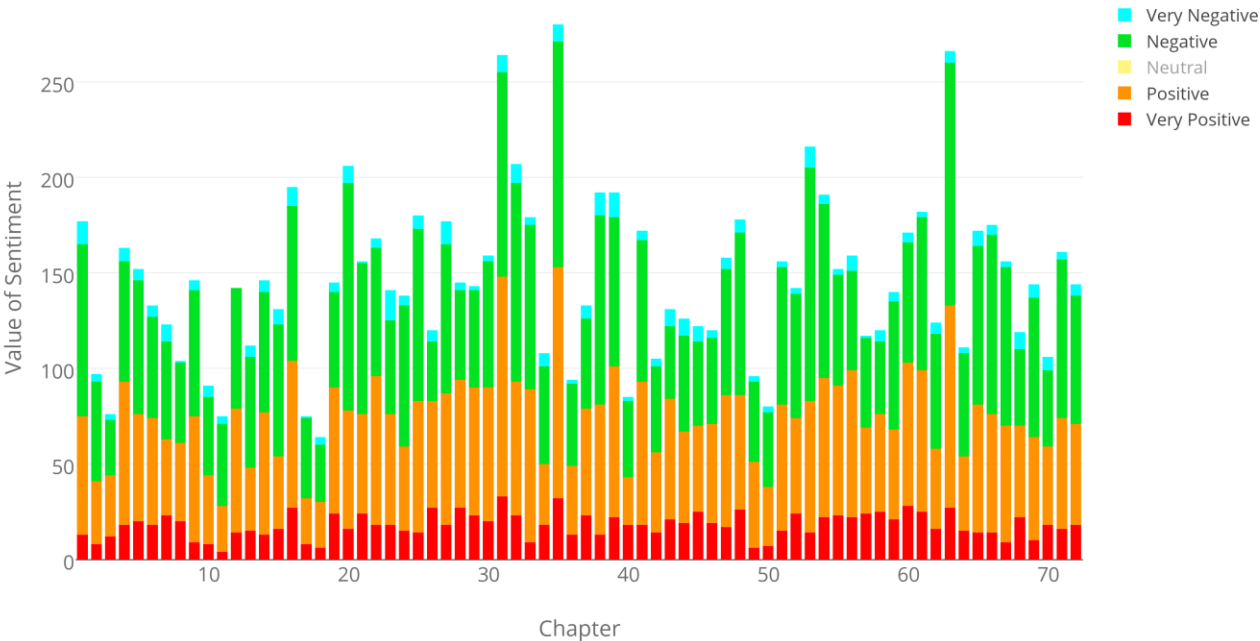
Though doing sentiment analysis by line was the most efficient way to gain accurate results, as with larger texts the extremes of very positive and very negative very never reached, the sheer volume of lines made it difficult to see any sort of patterns, as seen in the two graphs on the next page. As a result, I made the decision to instead analyze sentiment by amount of positive and negative sentiment in each chapter, to get a better sense of the overall book. These are also shown on the following pages. In the chapter vs. sentiment graphs, they are shown with neutral sentiment shown and hidden, in order to more clearly see the other sentiments as well.

Reflection:

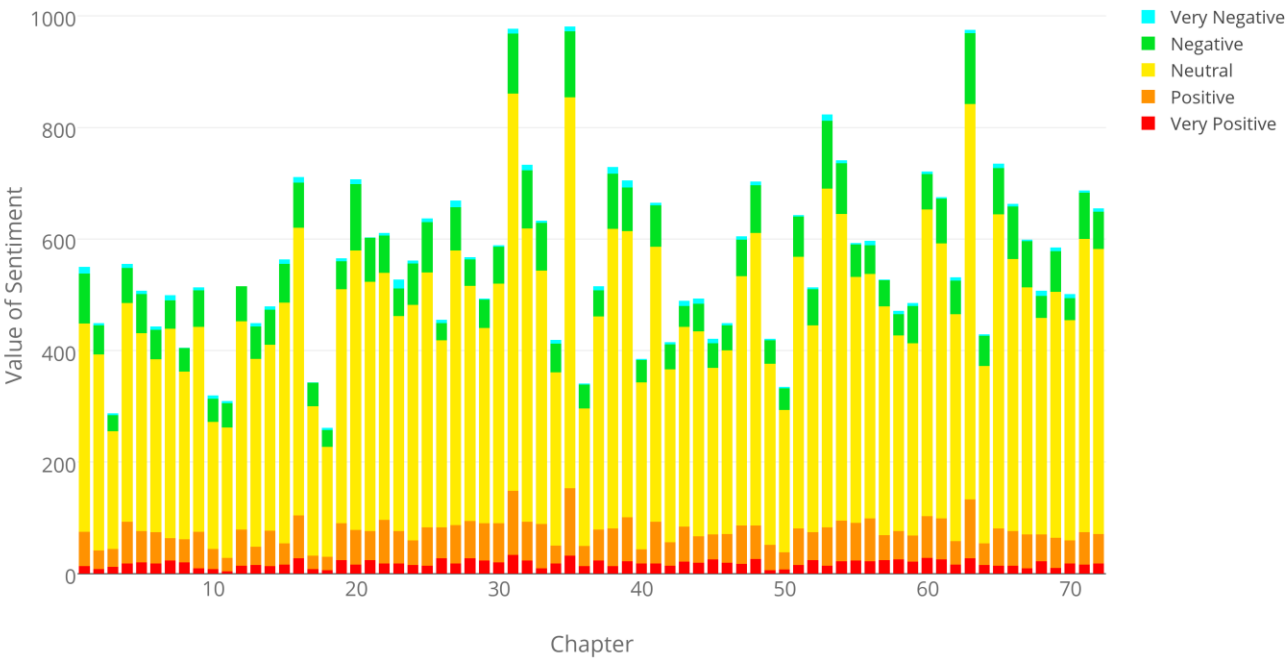
Overall, I was pleased with my code and results. However, if I had more time I would want to experiment with getting results from the series as a whole, and try to find more comparisons. Also, I would like to figure out a way to distinguish different characters with the same name, like the Jons, and be able to view details about specific events in the books.



Sentiment Analysis of A Game of Thrones by Chapter



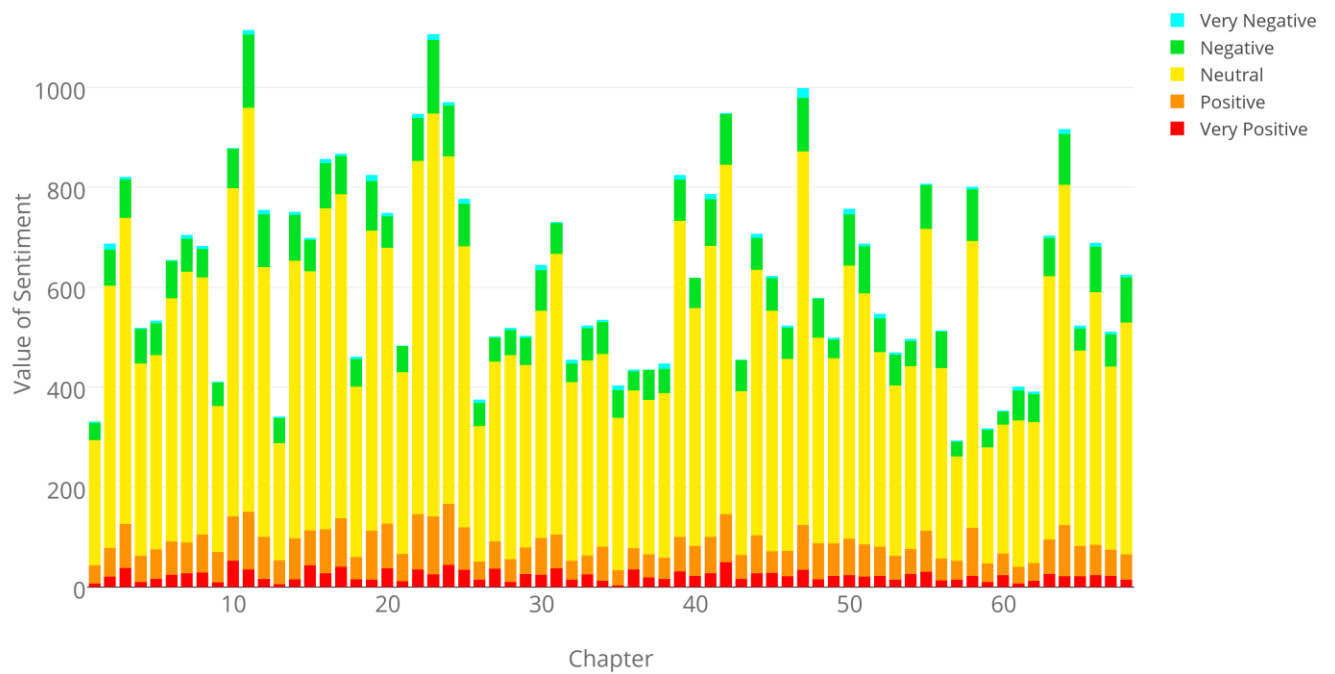
Sentiment Analysis of A Game of Thrones by Chapter



Sentiment Analysis of A Clash of Kings by Chapter



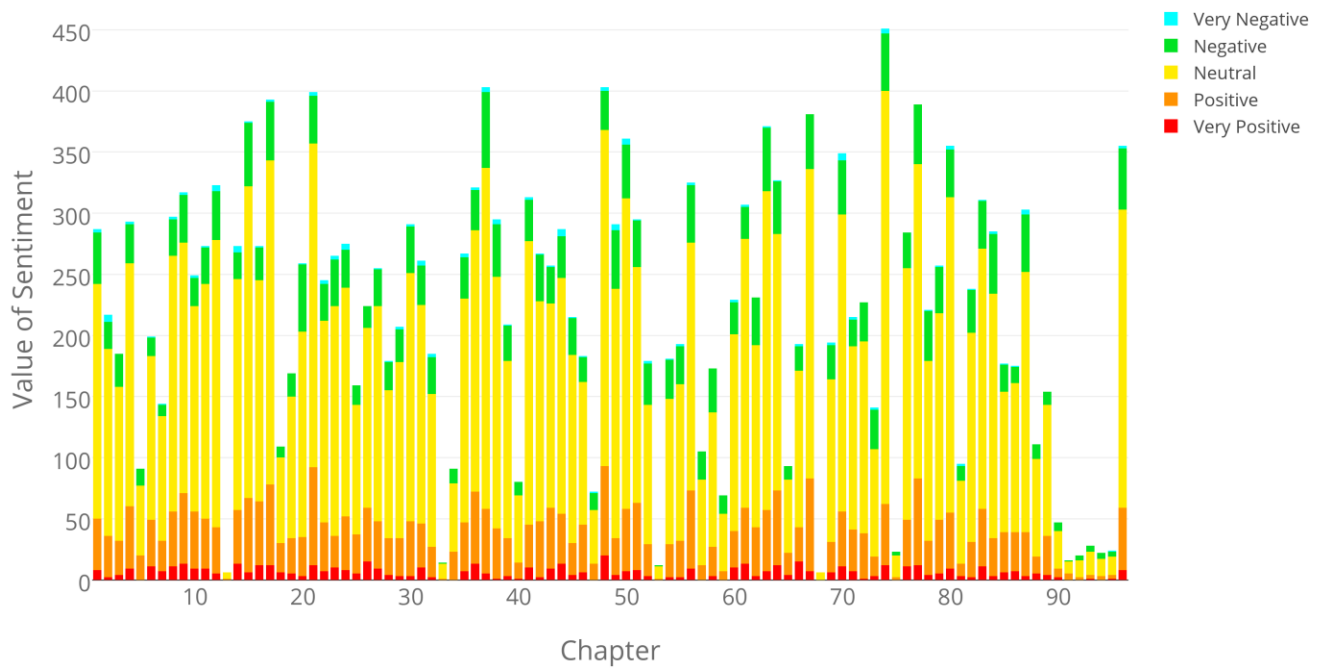
Sentiment Analysis of A Clash of Kings by Chapter



Sentiment Analysis of A Storm of Swords by Chapter



Sentiment Analysis of A Storm of Swords by Chapter



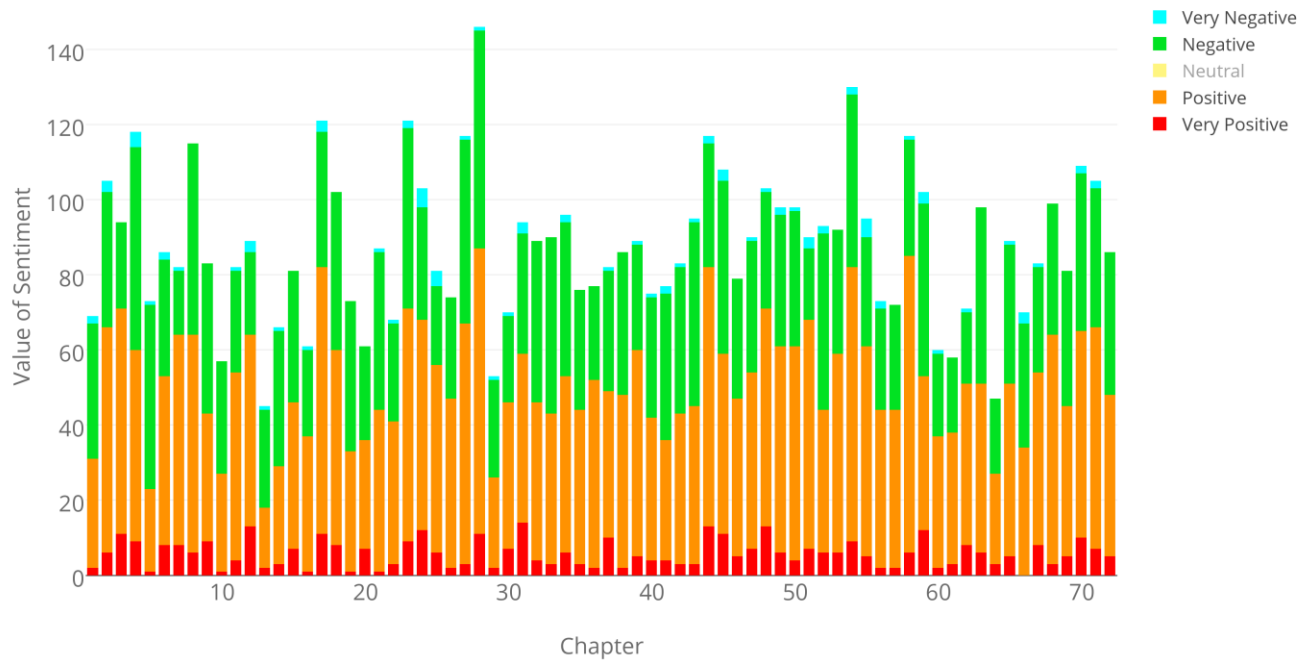
Sentiment Analysis of A Feast of Crows by Chapter



Sentiment Analysis of A Feast of Crows by Chapter



Sentiment Analysis of A Dance With Dragons by Chapter



Sentiment Analysis of A Dance With Dragons by Chapter

