

Visualization project - Analysis of The Kingkiller Chronicle

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The Kingkiller Chronicle is a fantasy trilogy. (the world is waiting on the third book for over 10 years, with no hope in sight)

Motivation - The primary motivation of choosing to analyse the book is because I like it. I wanted to see the word distributions and the proportions (how many times they are mentioned) of characters as they appear in the book

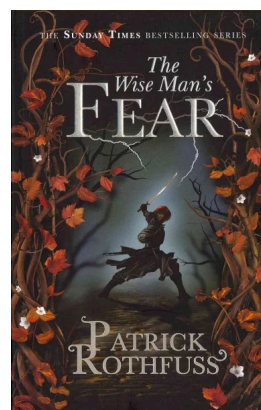
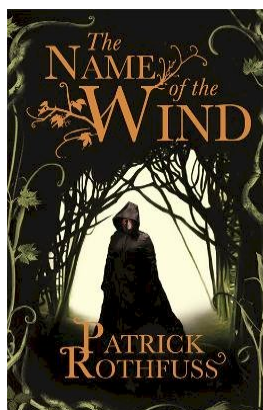
Data sources - I own both books that were analysed, though for analysis I used a .txt document (not included in the submission) for computer processing of the text, as manual analysis is not feasible when both books have just under 1000 pages. Data processing included basic analysis of word frequencies, name counts and segmentation into direct, indirect speech parts.

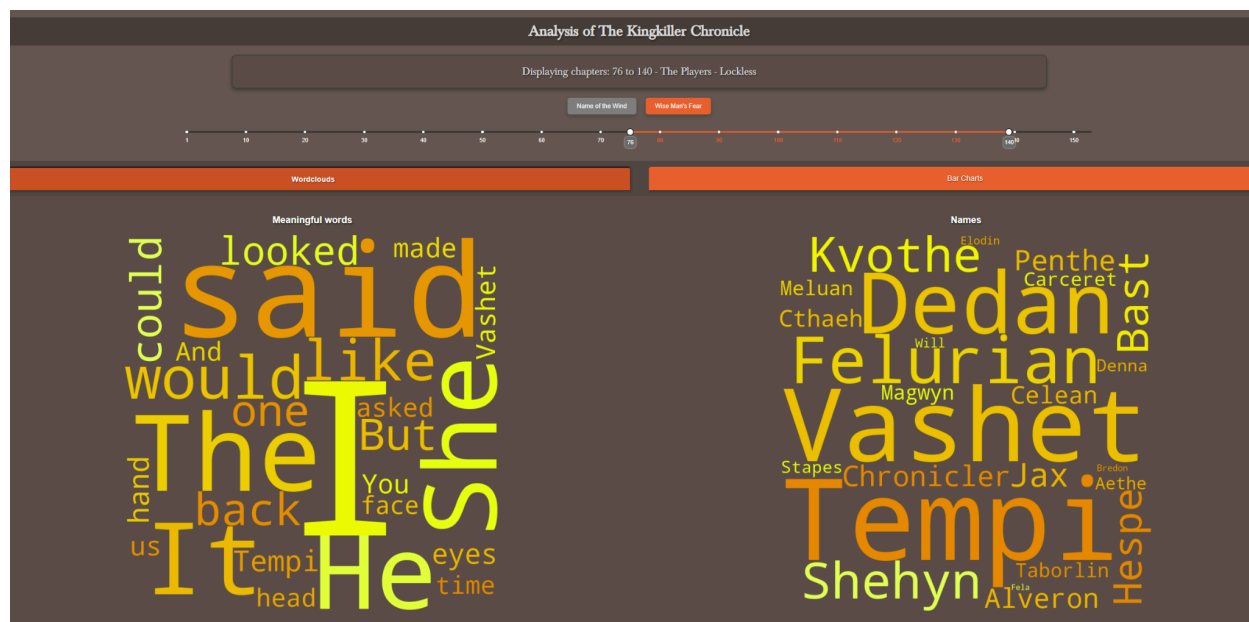
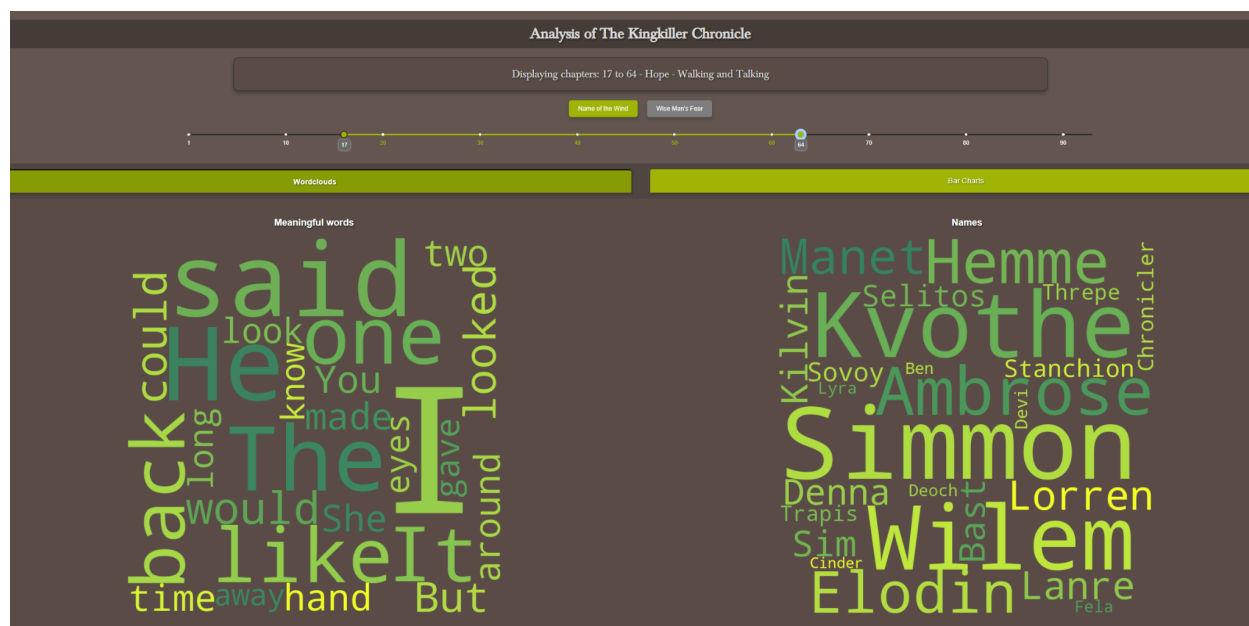
Design Choices - For a more easy-on-the-eye part I wanted some wordclouds, because in the context of books they are quite informative in a playful manner. For more in-depth visualization, bar graphs and stacked-bar charts are go-to graphs as they are easily recognisable and interpretable, though admittedly not very exciting. Some graphs that were intended did not make it into the final project, as they were too difficult to extract. For example - Transactions of the main character. This would require a context analysis, which I have tried with local LLMs, though unsuccessfully.

Interesting observations - The word "I" is almost always around 5x more frequent than any other word in both of the books. The main character's girlfriend is named more often than the main character himself, despite them spending relatively little time together - also in both books.

Used technologies - Dash, Plotly, little JS, CSS for styling, Chat-GPT/Copilot for advice and insight

Lessons learned - Projects like this are more time-demanding than expected.



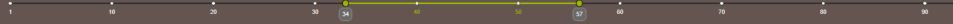


Analysis of The Kingkiller Chronicle

Displaying chapters: 34 to 57 - A Sea of Stars - Patrons, Maids and Methglin

Name of the Word

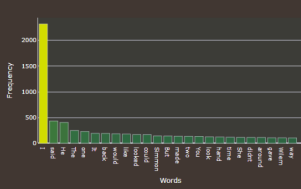
Word Mark's Feet



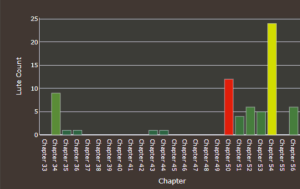
Wordclouds

Bar Charts

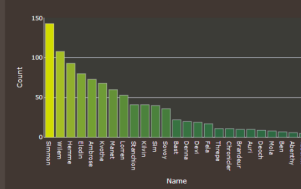
Word Frequency (No Stopwords)



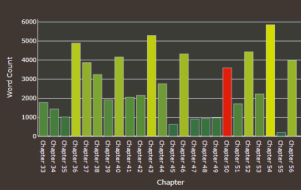
Times the word "lute" was mentioned



Times each character name was mentioned



Chapter Length



Direct and Indirect Speech



Average Word Count per Sentence

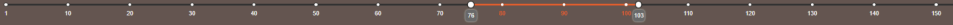


Analysis of The Kingkiller Chronicle

Displaying chapters: 76 to 103 - The Players - The Ever-Moving Moon

Name of the Word

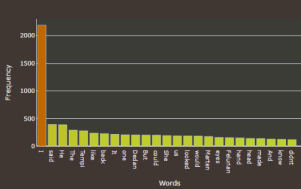
Word Mark's Feet



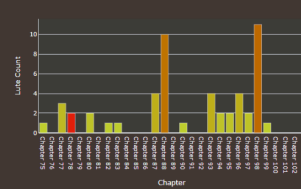
Wordclouds

Bar Charts

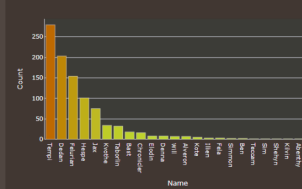
Word Frequency (No Stopwords)



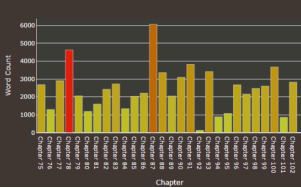
Times the word "lute" was mentioned



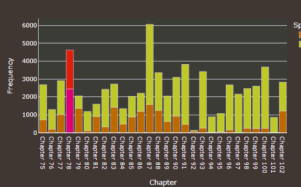
Times each character name was mentioned



Chapter Length



Direct and Indirect Speech



Average Word Count per Sentence

