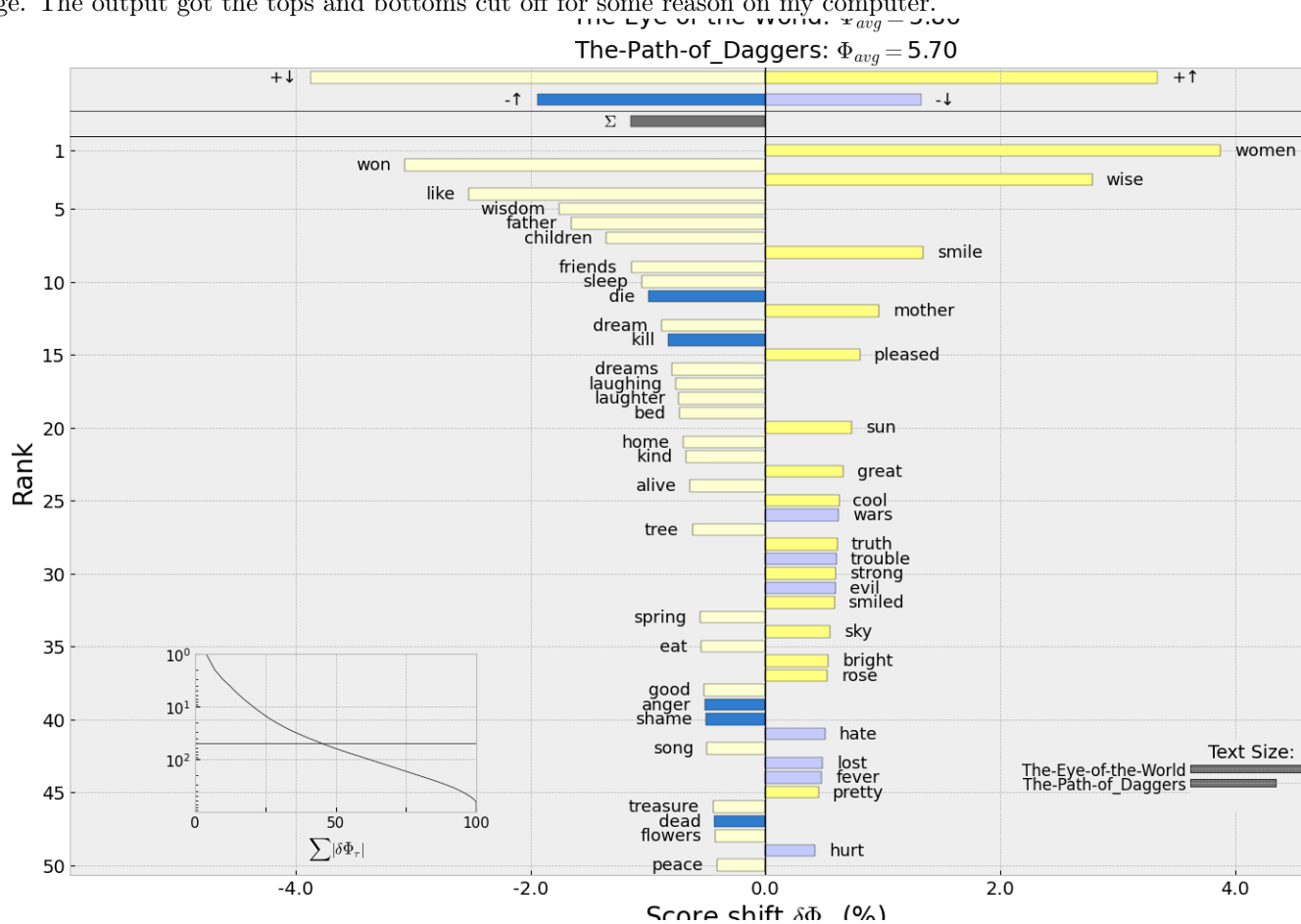# CSYS 303 Assignment 18

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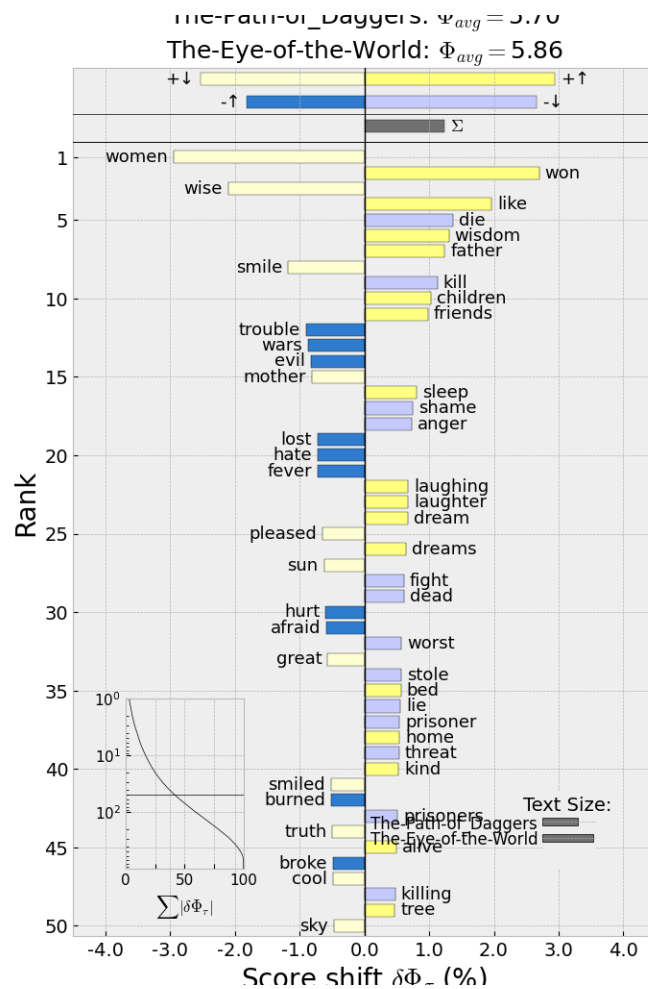
Question 1.

Response:

Continuing on with the analysis from last week, I used books one and eight of the Wheel of Time;
I used The Eye of the World and The Path of Daggers by Robert Jordan.
Here is the word shift for the full two books compared with a stop-lens of (3,7), with the first book used as
the average. The output got the tops and bottoms cut off for some reason on my computer.

Here is the word shift for the full two books compared with a stop-lens of (3,7), with the eighth book used
as the average.

The word shifts line up with what I expect. The average happiness for book 8 was .16 lower than the average of book one, with 5.70 and 5.96 respectively. There are quite a few words that stand out. "Wise" and "women" both increase in frequency in the eighth book compared to the first book and these are very happy words. However, the "Wise Women" are a group of characters that come into play in the 5th book and beyond. They are tough, mean, respected, and mostly wise grandmothers. Similarly, the word children decreases in relatively frequency in the 8th book. This one is actually completely backwards, as there is a group that is talked about a lot in the first book and lesser in the eighth that calls itself "The Children of the Light". These "children" are a nasty lot, gaslighting, warmongering, and ruthlessly evangelizing - a problematic interpretation of the word "children" is arisen. "Dreams" are not necessarily good things in the Wheel of Time, with many dark omens delivered unto characters through their dreams. Finally, "spring" is interesting to see the decrease, as the Path of Daggers is the first book in a two part unnaturally prolonged winter season.

When I removed the stop-lens, the word shifts become far less interpretable, as can be seen below:

The-Path-of_Daggers: $\Psi_{avg} = 5.33$

The-Eye-of-the-World: $\Phi_{avg} = 5.31$

Rank

$+\downarrow$　$+\uparrow$

$-\uparrow$　$-\downarrow$

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20　sisters

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sister

night

30　very

wisdom

lord

father

rivers

35　us

servants

ll

children

village

smile

40　people

don

die

most

friends

45　me

did

though

have

50　re

Score shift $\delta\Phi_\tau$ (%)

$\sum |\delta\Phi_\tau|$

Text Size:

The-Path-of_Daggers

The-Eye-of-the-World