Zeta Analysis

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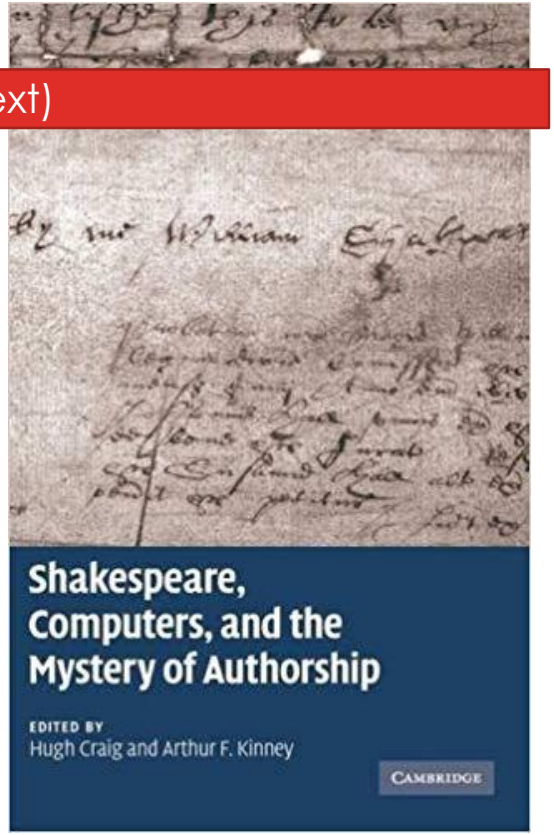
STYLOMETRY AND SHAKESPEARE

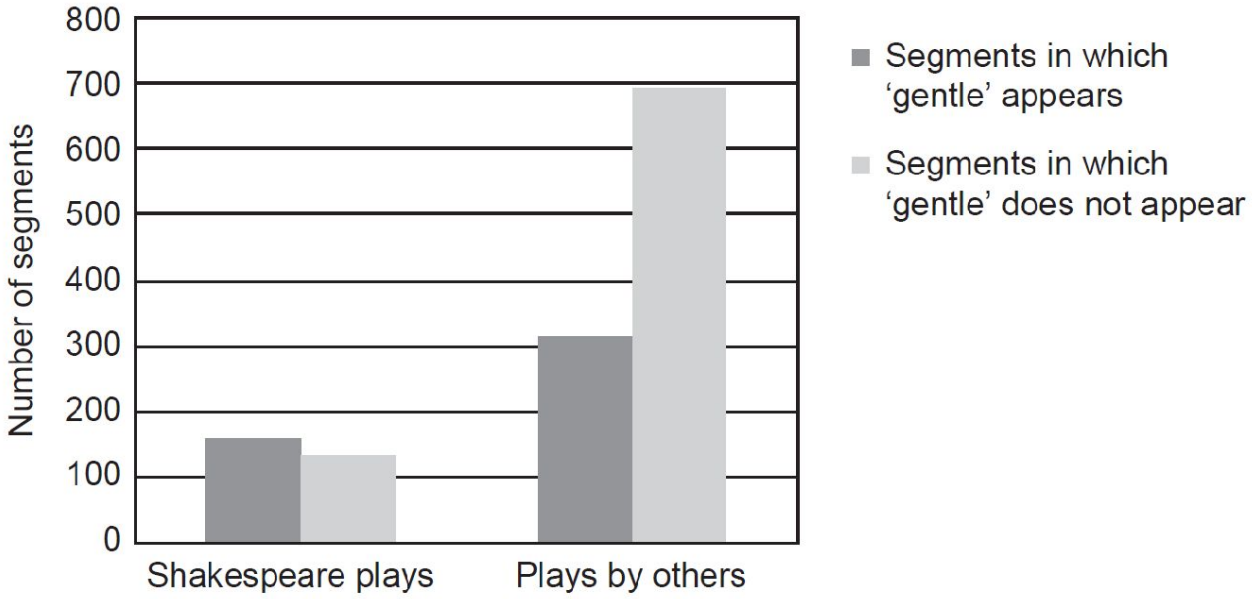
Shakespeare's works (as a single string of text)

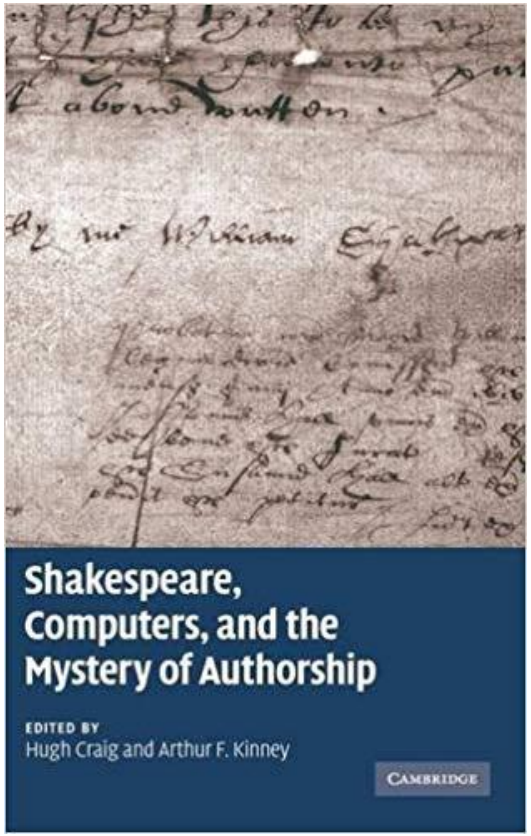
3,000 words
3,000 words
3,000 words
etc.

How many of the slices contain the word «Gentle»?



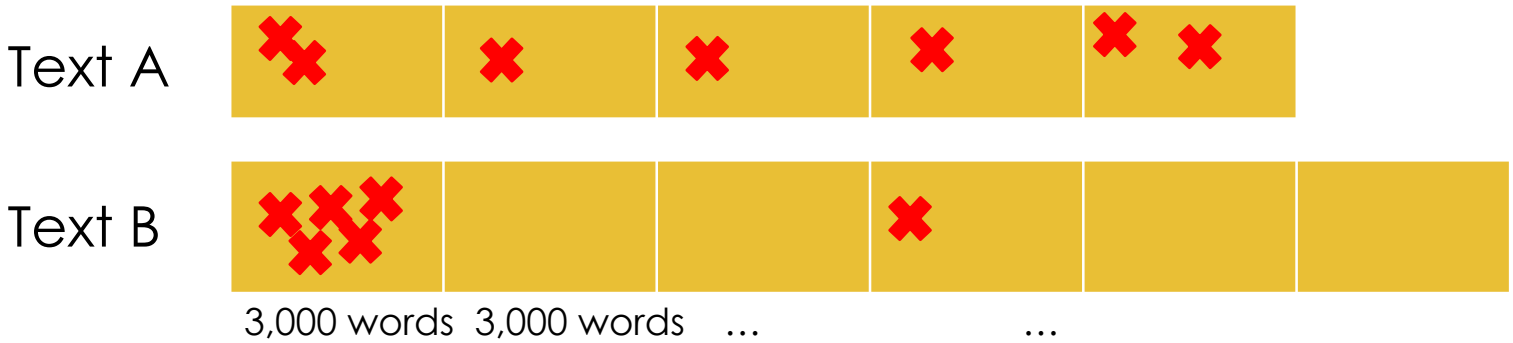
STYLOMETRY AND SHAKESPEARE





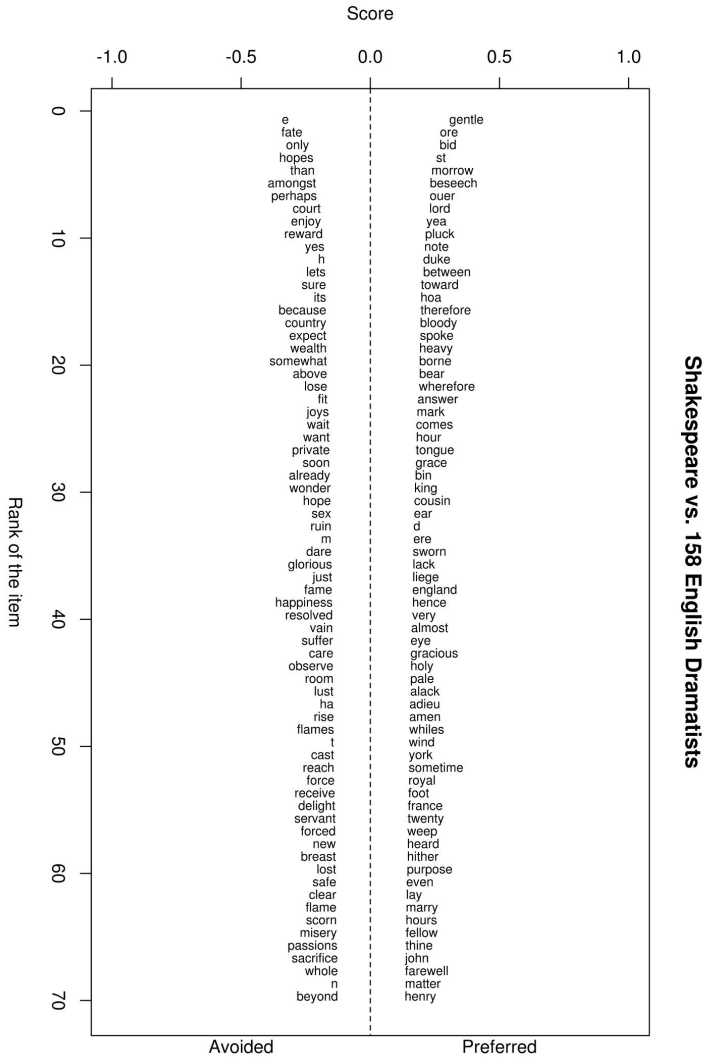
THE "ZETA" METHOD

Pick up a word:
«gentle» (for example)



- Count in how many slices of the text the word «gentle» appears
- Calculate the proportion
  Text A: 1 (100%); text B: 0.33 (33%)
- Subtract the two values
  (so the word «gentle» has Zeta = 0.66 for Text A)
- Repeat the operation for all the words in the two texts

With R

Stylo package

https://github.com/computationalstylistics/stylo