

Text Analysis Tools

Word Frequency Table

Task

To build a tool to produce a table of word frequencies in a given range (i.e. the entire text <WORK>, or by act <ACT>, scene <SCENE>, or character <SP>). This tool should work on **both modern spelling texts and diplomatic transcriptions**.

Usage Examples

User wants to know the most/least frequent words used in the play.

User wants to know most frequent words used by a particular character.

Optional Additional Task

To build in the option to show results in context. For example, if I click on the word “love”, I am shown a list of all of the instances of the word in context (e.g. 5 words before and after “love”).

Letter Frequency Table

Task

To build a tool to produce a table of letter (and letter-form) frequencies in the entire text or in a given range (i.e. page range <PAGE> or signature range <SIG>). This tool should be designed to work on the **diplomatic transcriptions only**.

Usage Examples

User wants to know which letters are used between signatures A3r and C2v.

User wants to know how many times the long-s-s-i ligature and the swash capital R are used (tagged `{{s}{s}i}` and `{*R}` or `{R*}` respectively) throughout the entire text.

Optional Additional Task

To build in the option to show results in context. For example, if I click on “æ” (a digraph, tagged as `{ae}`), I am shown a list of all of the instances of the letter-form in context (e.g. 5 words before and after the occurrence of the letter-form “æ”).

Word and Letter Clouds

Task

To build a tool to produce word and letter cloud visualisations of the frequency data generated by the tools described above. The size of the word/letter should be proportionate to its relative frequency (i.e. more frequent words are larger, less frequent words smaller, etc). Think Wordle.net, but feel free to be creative.

Usage Examples

A user wants to visualise the relative frequency of words in an entire play, or used by a particular character.

Optional Additional Task

To build in the option of being able to mouse-over the word/letter to reveal its frequency count.

To build in the option to define charted roles as played by boy actors and mature actors, and to generate a series of possible doublings. This is a task in and of itself, so it's very much optional!

Prop Chart

Task

To build a tool to produce a chart listing all stage props in a play (tagged <PROP>) along the *x*-axis and their use in a given act/scene on the *y*-axis (with a dash – to indicate that it is not being used, and an “x” to indicate its use). This tool should work with the **modern-spelling text only**.

Usage Examples

A user wants to see which props are on and off stage at a given point.

Optional Additional Task

None.