Text Analysis using Voyant

Garrett Morrow

What is Voyant?

Website: https://voyant-tools.org/

Voyant is a powerful web-based text analysis platform "designed to facilitate reading and interpretive practices for digital humanities and scholars as well as for the general public.

With Voyant, you can analyze one or more text files and use multiple visualization tools

Voyant can read .pdf, .doc, but .txt is recommended.

For Voyant documentation/guide see: https://voyant-tools.org/docs/#!/guide/about

VOYANT
see through your text

Click on upload and navigate to the folder with the text documents you wish to analyze.

Alternatively, insert URLs or full text into textbox.

Add Texts

Type in one or more URLs on separate lines or paste in a full text.

Open   Upload

✔ Reveal

Click here for help and advanced options

Results:

From a corpus of incarceration documents, you can see the default results page with multiple panes:

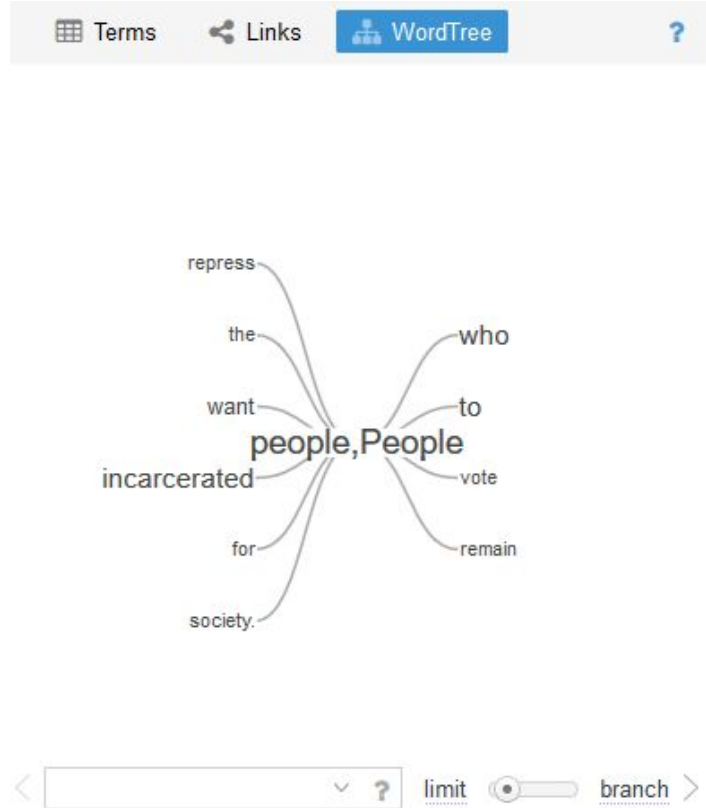A word cloud

Reader section

Trends

Document Summary

Word Context

These boxes can all be changed!

Changing Results Displays in Voyant

Select the panes button and select a new option from the dropdown menu

For our new pane option, we have chosen the WordTree visualization.

Useful Voyant Visualizations and Analysis

1. **Wordcloud**: A visualization of word frequency where the most frequent words appear the largest and less frequent words are progressively smaller by frequency. (Visualization Tools → Cirrus)
2. **Summary**: Document summary that gives word counts, density, words per sentence, word frequency, and distinct words. (Corpus tools → Summary)
3. **Correlations**: Words that appear in similar contexts and appear in sync, correlated or inversely correlated. Gives correlation and significant factors. (Corpus Tools → Correlations)
4. **Phrases**: The frequency of word sequences that appear together (also known as 'nGrams'). (Corpus Tools → Phrases)
5. **Contexts:** Displays the sequences of words that appear around a specific word. (Grid Tools → Contexts)

Questions & Contact Information

Garrett Morrow

Digital Teaching Integration Research Fellow

PhD Student, Political Science

morrow.g@husky.neu.edu