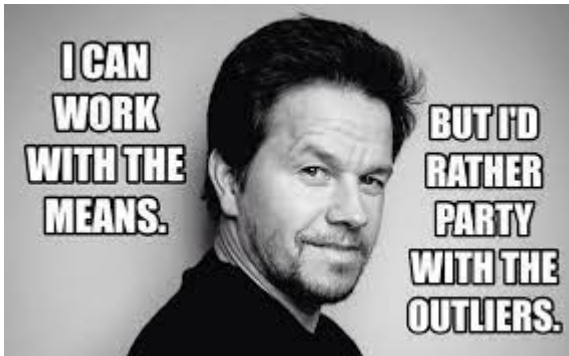# Research Tools

A compilation of different types of tools that can assist with analysis and display related to research.

Test data mining, text encoding, text/corpus analysis

junta

Voyant<https://voyant-tools.org/> (free):
*   Lexos <http://lexos.wheatoncollege.edu/upload> (free):
*   Word Tree<https://www.jasondavies.com/wordtree/> (free):

*   MALLET <http://mallet.cs.umass.edu/topics.php> (free): For topic modeling!
*   AntConc <http://www.laurenceanthony.net/software/antconc/> (free):

- Ngram Viewer

   Based on Google Books content enables users to keep track of change in usage or words and terms across time. Also see the Hathi Trust Bookworm tool.
- Paper Machines

   Plugin for Zotero. Makes topic-modeling analysis

accessible to humanities researchers without requiring extensive computational resources or technical knowledge.

- [Hathi Trust Analytics](#)

    Check under "Algorithms" and/or "Explore" tabs for different ways of conducting text analysis within 13.7 million HathiTrust volumes.

- [Juxta](#)

    Juxta is an open-source tool for comparing and collating multiple witnesses to a single textual work. Originally designed to aid scholars and editors examine the history of a text from manuscript to print versions, Juxta offers a number of possibilities for humanities computing and textual scholarship.

*   Python (free, but hard to learn): Python is a programming language that provides a ton of different libraries for doing Natural Language Processing, word embedding models, topic modeling, and more. Since it's a programming language, the learning curve is much steeper. There are a lot of resources for learning Python and how to use it for writing analytics/computational text analysis. I have some computational essays in my dissertation<http://www.critic-alfantoolkit.org/about_dissertation/computational_essays>, for instance!

Storytelling types of tools

Omeka

We video

Scalar

Storymap js

Timeline tools

Timeline.js

Timeglider

Timetoast

Chronos timeline

Annotation tools

- [Annotation Studio](#)

  A suite of collaborative web-based annotation tools.
  more…
- [Hypothes.is](#)

  Hypothesis is a Google Chrome extension that allows you to annotate any page on the web.
  more…
- [Kami](#)

  Kami allows users to comment on texts with a variety of different annotation types.
  more…
- [NotaBene](#)

  Annotate course material online, either for yourself or to discuss it with others.
  more…
- [Perusall](#)

  Instructors can upload readings, create assignments, and assign grades for students.
  more…
- [Recogito](#)

  Recogito allows users to annotate documents with

comments and tags and to create linear, visual relationships.

Data Visualization

R-project (powerful; steep learning curve; some coding skills needed)

Canva

Excel

Piktochart

Walrus

D3.js

Palladio

Software

https://guides.nyu.edu/QDA/comparison

NVivo (not free): NVivo is a software for both qualitative coding and for text analysis. It has some great functions for basic word counts, nGrams, and other things. I know Northeastern has a subscription, so check if your institution has one, too?

QDA Miner

Atlas.Ti

Dedoose (online; pay by month)

Quirkos

Maxqda