

Digital Exhibits

Using a **content management system** (a system that holds and organizes digital content) to curate, and display research or archival material. Beyond a website, digital exhibits often include a focus on **metadata** and preservation.



Example Projects:

Diana Taylor, Lorie Novak et al [Dancing with Zapatistas](#)

Janneken Smucker & Charlie Hardy [Goin North](#)

Elizabeth Maddock Dillon, Ryan Cordell et al [Our Marathon: The Boston Bombing Digital Archive](#)

Suggested Tools:

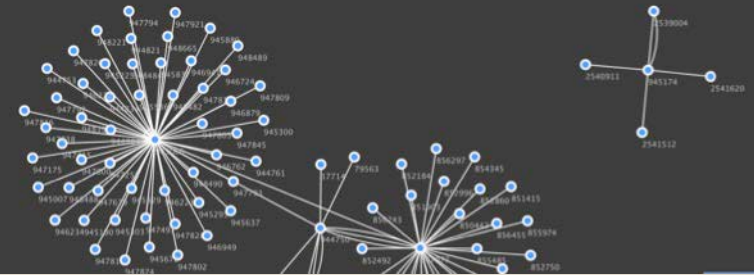
[Omeka](#) - Content management system built specifically for academic digital collections. Free, open source. Build and curate digital exhibits using Dublin Core metadata standards

[Scalar](#) - Platform out of USC for non-linear storytelling. Free and hosted by USC. Great for multi-media components

DH Glossary & Tools

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Network Analysis:

An approach often used in sociology, **network analysis** examines connections between **nodes** (people, events, movements etc.) and **edges** (the elements, relationships, connections) that bind them.

Example Projects:

Chris Warren, Daniel Shore, Jessica Otis: [Six Degrees of Francis Bacon](#)

Chronicle of Higher Education: [Who Does your College Think](#)

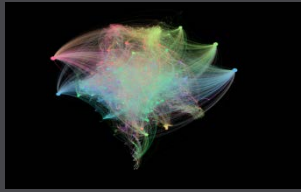
Suggested Tools:

[Palladio](#) – web-based tool that allows for quick data visualization

[Cytoscape](#)—free downloadable software for creating complex network graphs.

[Gephi](#) – Gephi is a free, downloadable software for network analysis, slightly higher learning curve than Cytoscape.

Corpus Analysis



Definition

Reading a large text or collection of texts from a macro level (**distant reading**) to look for patterns in language or content across this **corpus** of text. This method often uses statistical analyses including **topic modeling** and finding **co-locations** of words.

Example Projects

Mark Algee-Hewitt [The Performance of Character](#)

Micki Kaufman [Quantifying Kissenger](#)

New York Times [Cliches of ESPN](#)

Suggested Tools

[Voyant Tools](#) - Free web-based text analysis tool. Can do KWIC analysis, word clouds, co-locations of terms and several visualizations

[AntConc](#) - Suite of tools for more specific analysis of large amounts of text

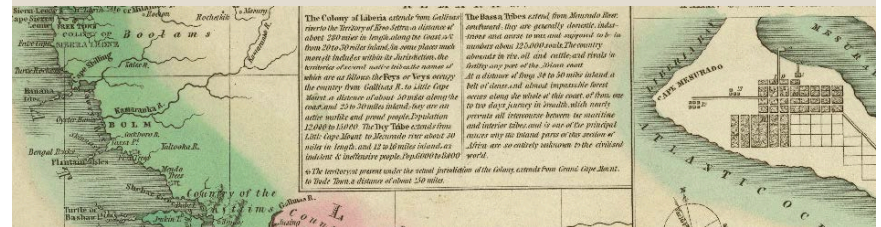
[Topic Modelling Tool](#) - Natural Language Processing command line tool from Stanford

[R](#) - Statistics programming language. Requires some familiarity with programming.

Spatial Analysis

Definition

Using mapping technology to extract and analyze spatial data from primary sources. This process can include **georeferencing** historic maps and creating map based visualizations.



Suggested Tools

[KnightLab Story Map](#) - Creates dynamic map that shows movement across time and space. Free web-based tool

[Carto](#) - Free with advanced features available through a student account that include analysis and animated map tools

[QGIS](#) - Open source version of ESRI's ArcGIS.

[ArcGIS](#) - Proprietary mapping software. The photoshop of mapping tools. Powerful but steep learning curve.

Example Projects

Vincent Brown: [Jamaica Slave Revolt](#)

Mitch Fraas: [Mapping the State of the Union](#)

Scott Nesbit and Ed Ayers: [Visualizing Emancipation](#)

Stanford: [Enchanting the Desert](#)