WRITE IT, CUT IT, PASTE IT, SAVE IT: DIGITAL HUMANITIES PROJECTS

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University of Strathclyde
@heatherfro // #daftpunkDH

What makes a good project?

- What makes a good *digital* project?
  - (Does adding the digital make a difference?)

What makes a good project?

- My suggestions:
  - Clearly-defined goals
  - Contributes in some way to existing knowledge

When are digital objects scholarly objects?

- “Mark Sample has asked, ‘When does anything—service, teaching, editing, mentoring, coding—become scholarship? **My answer is simply this: a creative or intellectual act becomes scholarship when it is public and circulates in a community of peers that evaluates and builds upon it’.** It isn’t whether something is written, or can be described linguistically, that determines whether critical thought went into it and scholarly utility comes out of it: it’s the appropriateness of the form to the argument, and the availability of that argument to discussion and evaluation in the scholarly community.”
  - Amanda Visconti, http://www.literaturegeek.com/experimental-editions/

Digital & Analog Projects

Digital & Analog Projects

- Do digital projects have more impact than non-digital projects?
- What is a non-digital project?
- Are digital methods the best approach?
- Is one method enough?

Corpus linguistics and DH

- Corpus projects are digital endeavors.
  - Preparation: Text compilation & collection
  - Preparation: Text encoding
  - Analysis: keywords, collocation, clusters, ngrams…
  - Analysis: close-reading examples in a concordance line
  - Analysis: making intuitive visualizations of data (graphs/tables)

DH and corpus linguistics

- Many of the same skill sets needed!
  - Organization, compilation, encoding, analysis

corpus linguistics | digital humanities

- Regular expressions, text (pre)processing, xml encoding…
- Making and reading graphs, statistical methods…

Digital Humanities Projects

- Guiding questions:
  - Would these projects work as corpus linguistics projects?
    - Why/why not?
  - What can we as corpus linguists offer digital humanities projects?
  - What can the digital humanities offer corpus linguistics projects?

DISCLAIMER

- We're going to discuss a bunch of DH projects
  - We're going off what I *personally* know about them, based on the projects' various web presences
- Not chosen to be representative of *all* DH work
  - A range of projects, with a range of goals
- Each project has, at some point, self-identified as a DH project

Textal, http://textal.org UCL, London, UK

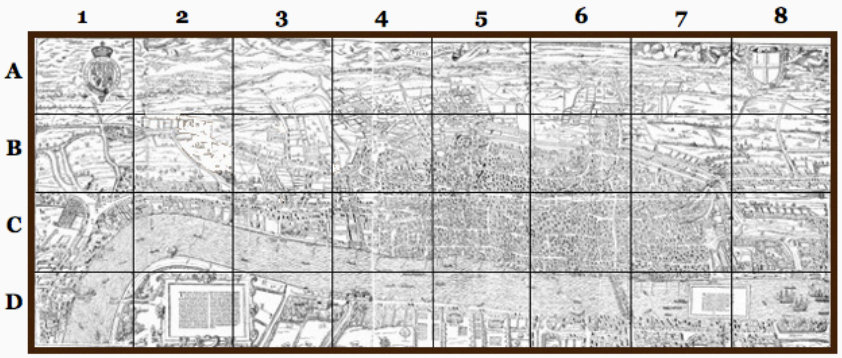
MAP of EARLY MODERN LONDON

Map Encyclopedia Library Stow About News Go!

THE AGAS MAP

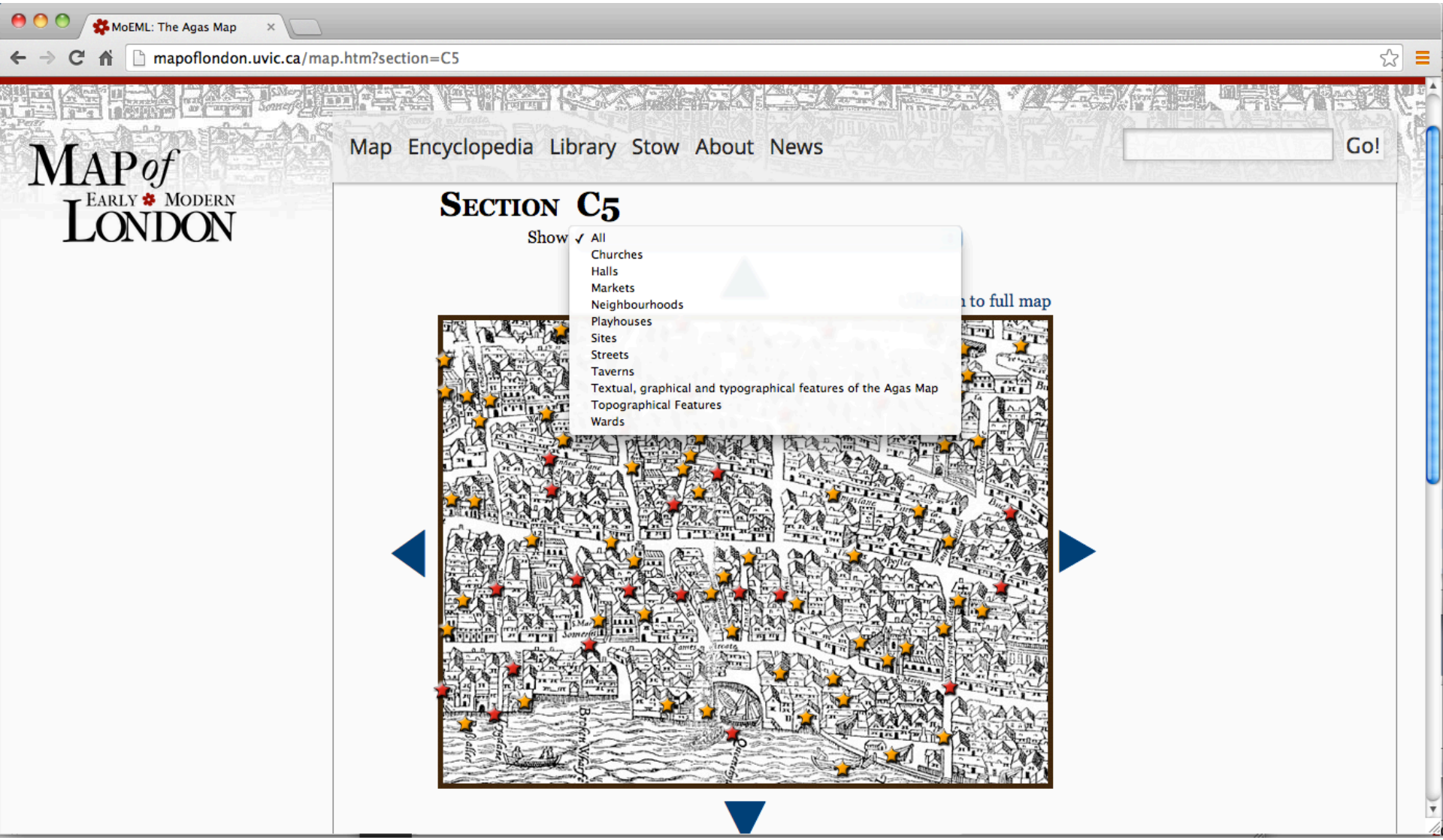
WHAT IS THE AGAS MAP?

Civitas Londinum is a bird's-eye view of London first printed from woodblocks in about 1561. Widely known as the "Agas map," from a spurious attribution to surveyor Ralph Agas (c.1540-1621), the map offers a richly detailed view both of the buildings and streets of the city and of its environment. No copies survive from 1561, but a modified version was printed in 1633. In the later version of the map, the Stuart coat of arms replaces the Elizabethan one, and the Royal Exchange, which opened in 1571, occupies the triangle created by the convergence of Threadneedle and Cornhill Streets.

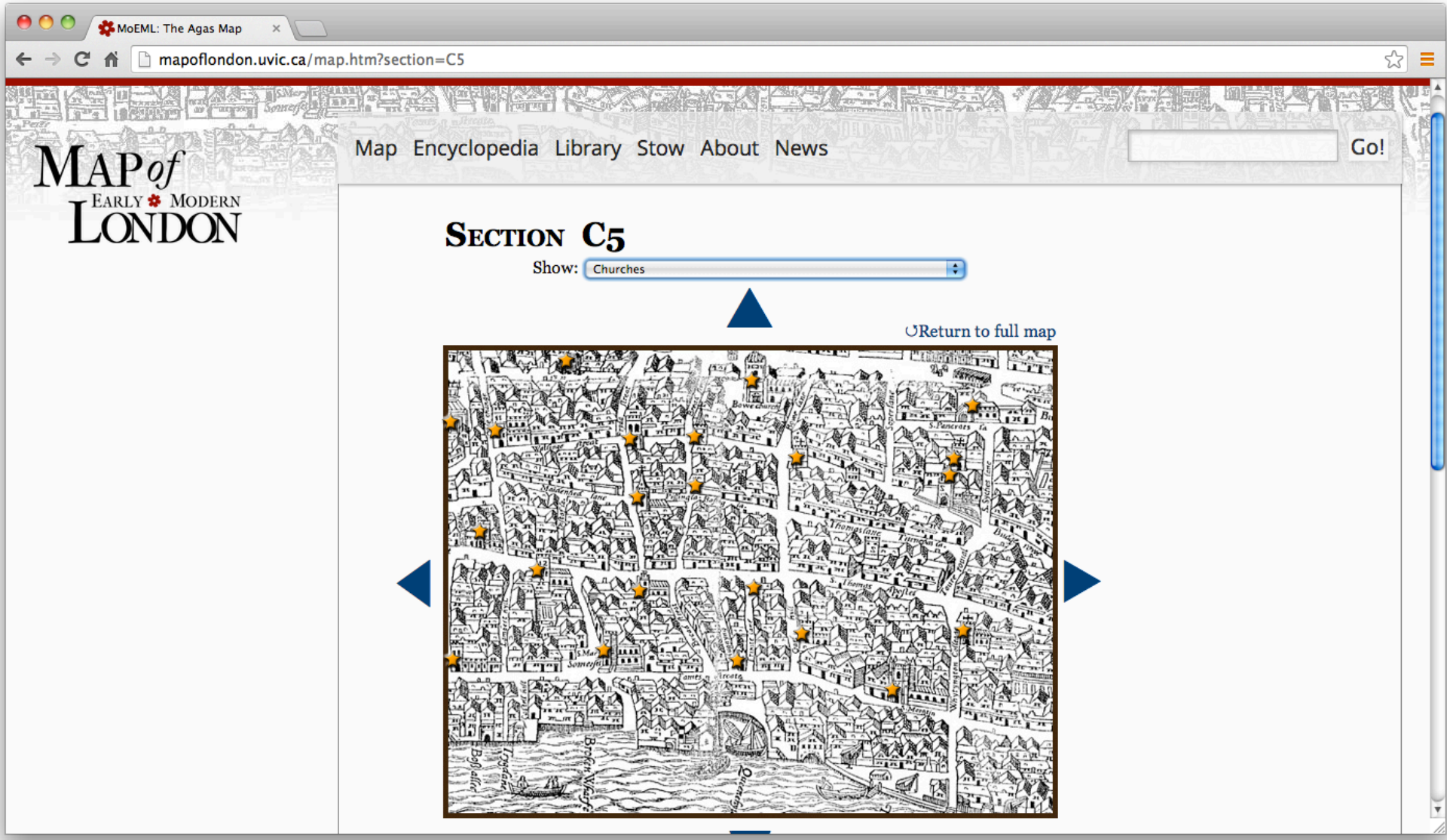


Click on a square to zoom in.

Map of Early Modern London, University of Victoria, BC (Canada)
http://mapoflondon.uvic.ca/map.htm



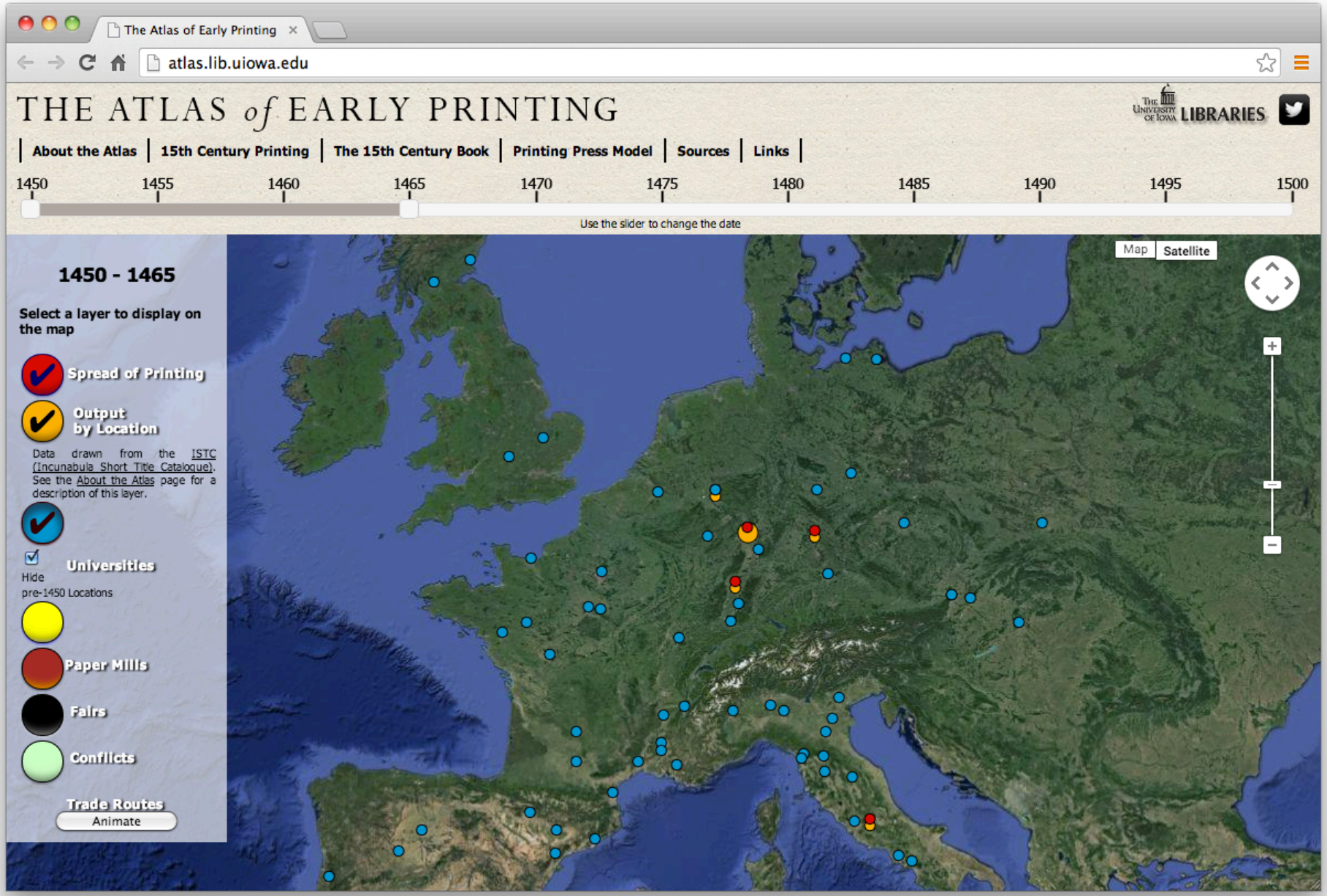
Map of Early Modern London, University of Victoria, BC (Canada)
http://mapoflondon.uvic.ca/map.htm



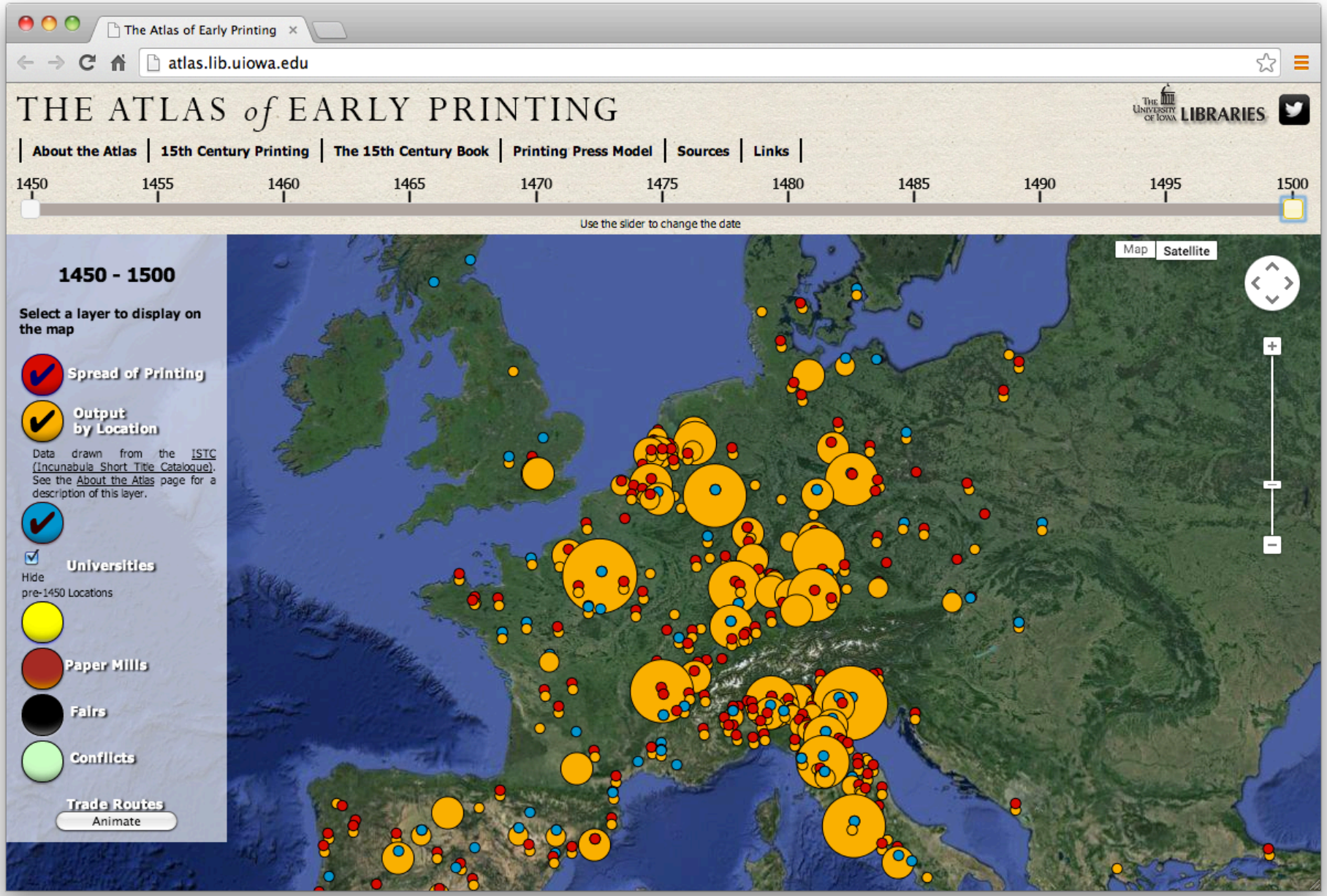
Map of Early Modern London, University of Victoria, BC (Canada)
http://mapoflondon.uvic.ca/map.htm

Virtual St Paul's Cross Project

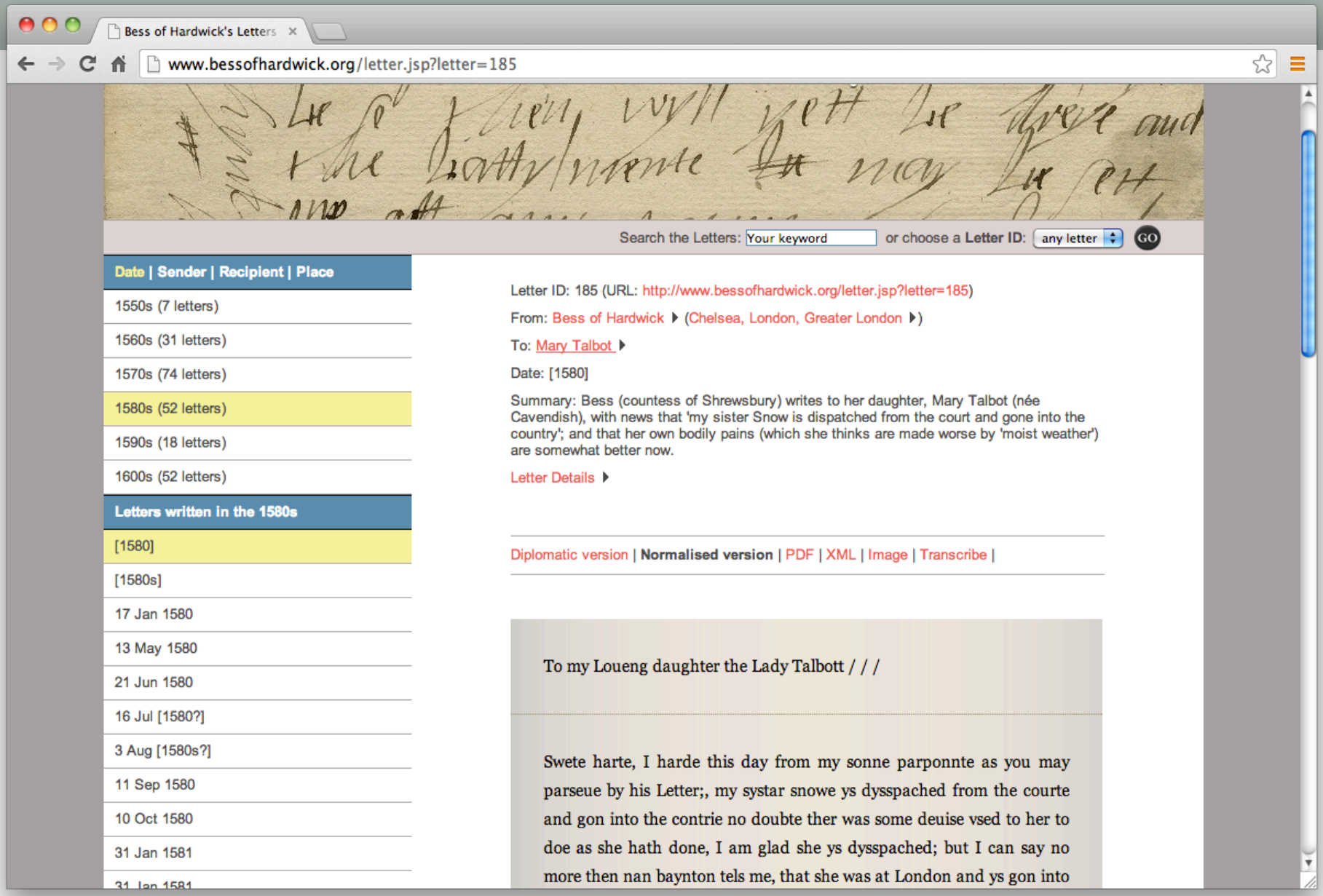
http://vpcp.chass.ncsu.edu/ North Carolina State University, Raleigh, NC (USA)



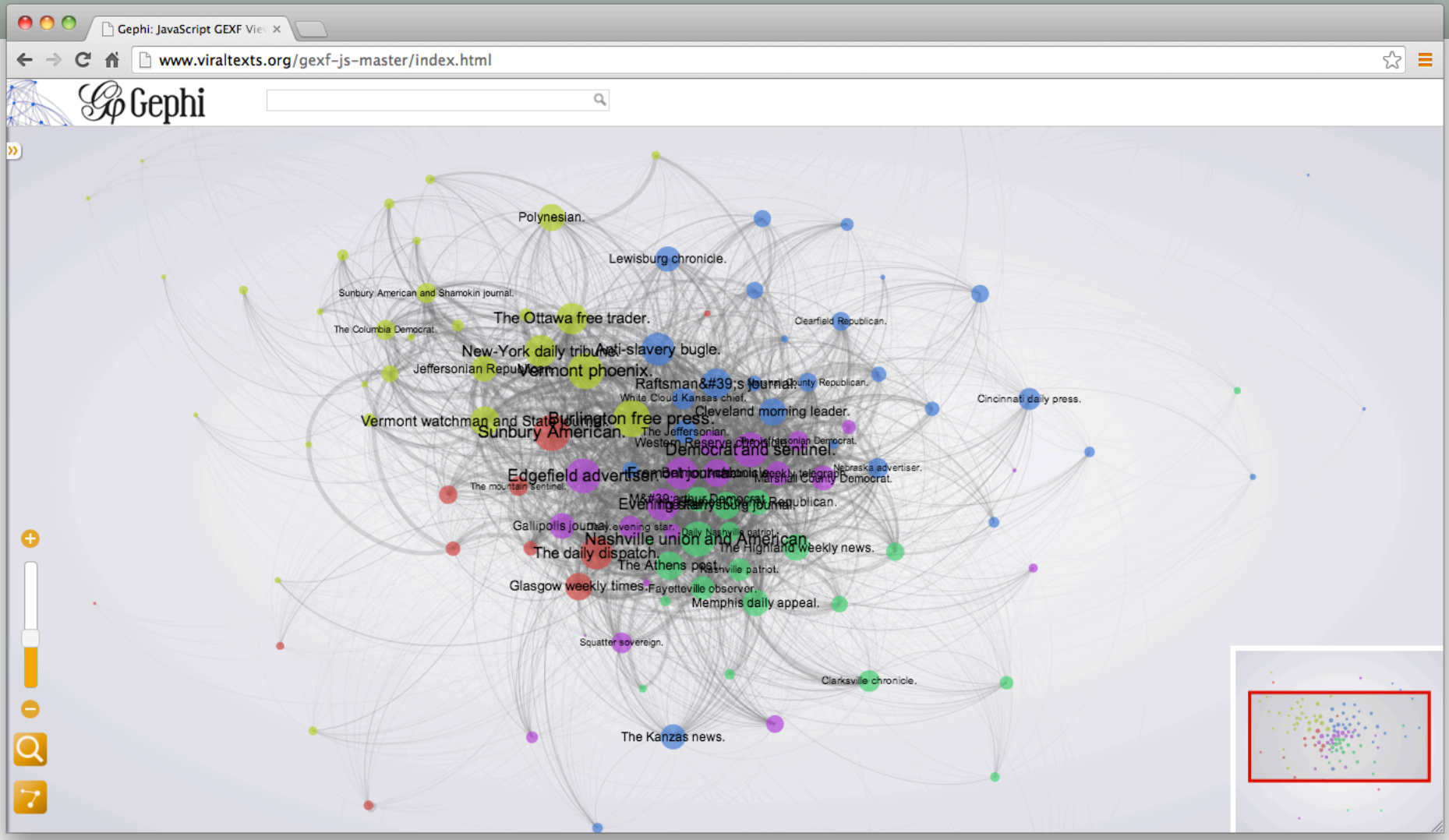
Atlas of Early Printing, UIowa, Iowa, USA http://atlas.lib.uiowa.edu/



Atlas of Early Printing, UIowa, Iowa, USA http://atlas.lib.uiowa.edu/

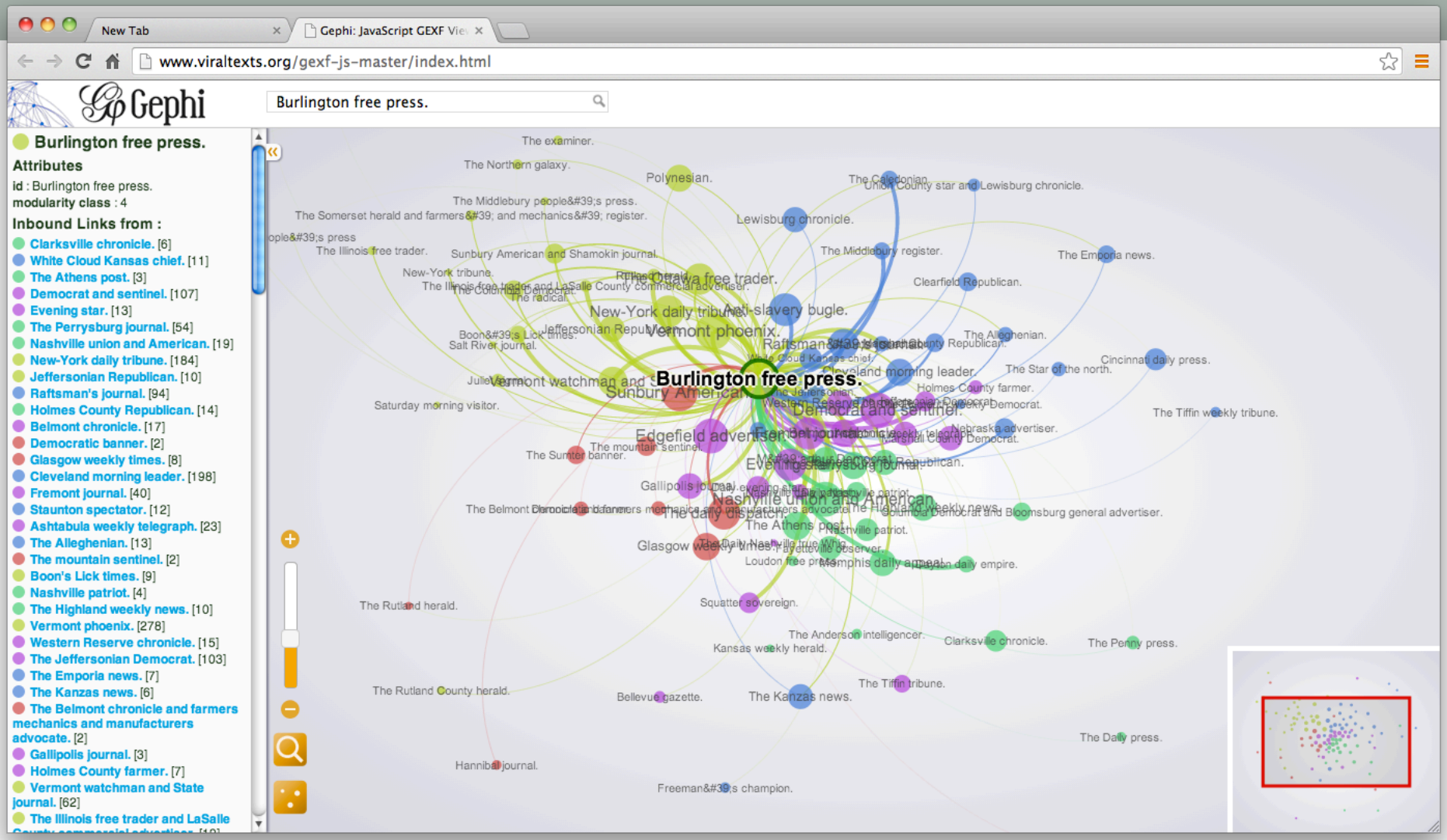


Bess of Hardwick's Letters, University of Glasgow, UK
http://www.bessofhardwick.org/



Infectious Texts: Viral Networks in 19th Century Newspapers, Northeastern University, Boston (USA)

http://www.viraltexts.org/gexf-js-master/index.html



Infectious Texts: Viral Networks in 19th Century Newspapers, Northeastern University, Boston (USA)

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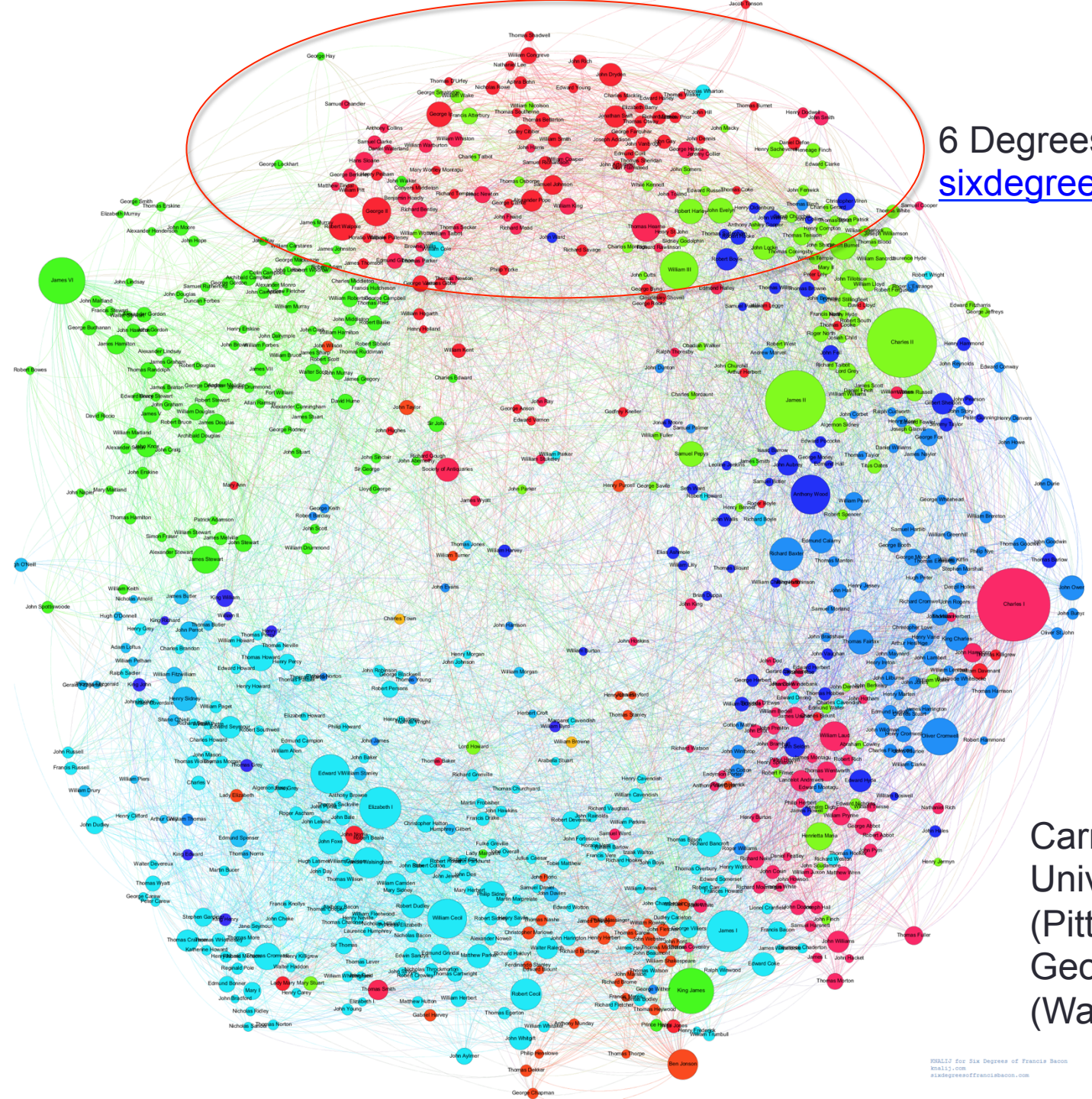
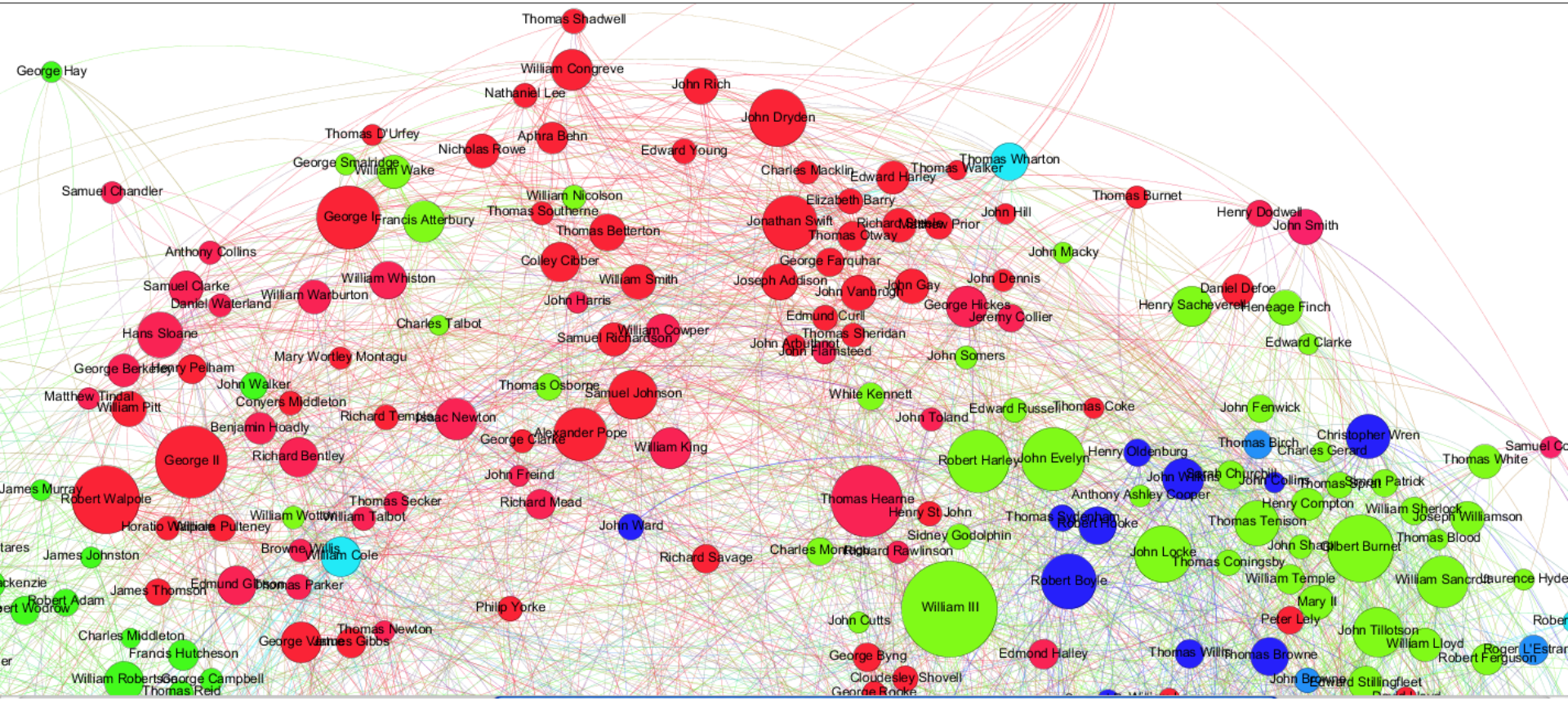


6 Degrees of Francis Bacon, sixdegreesoffrancisbacon.com/

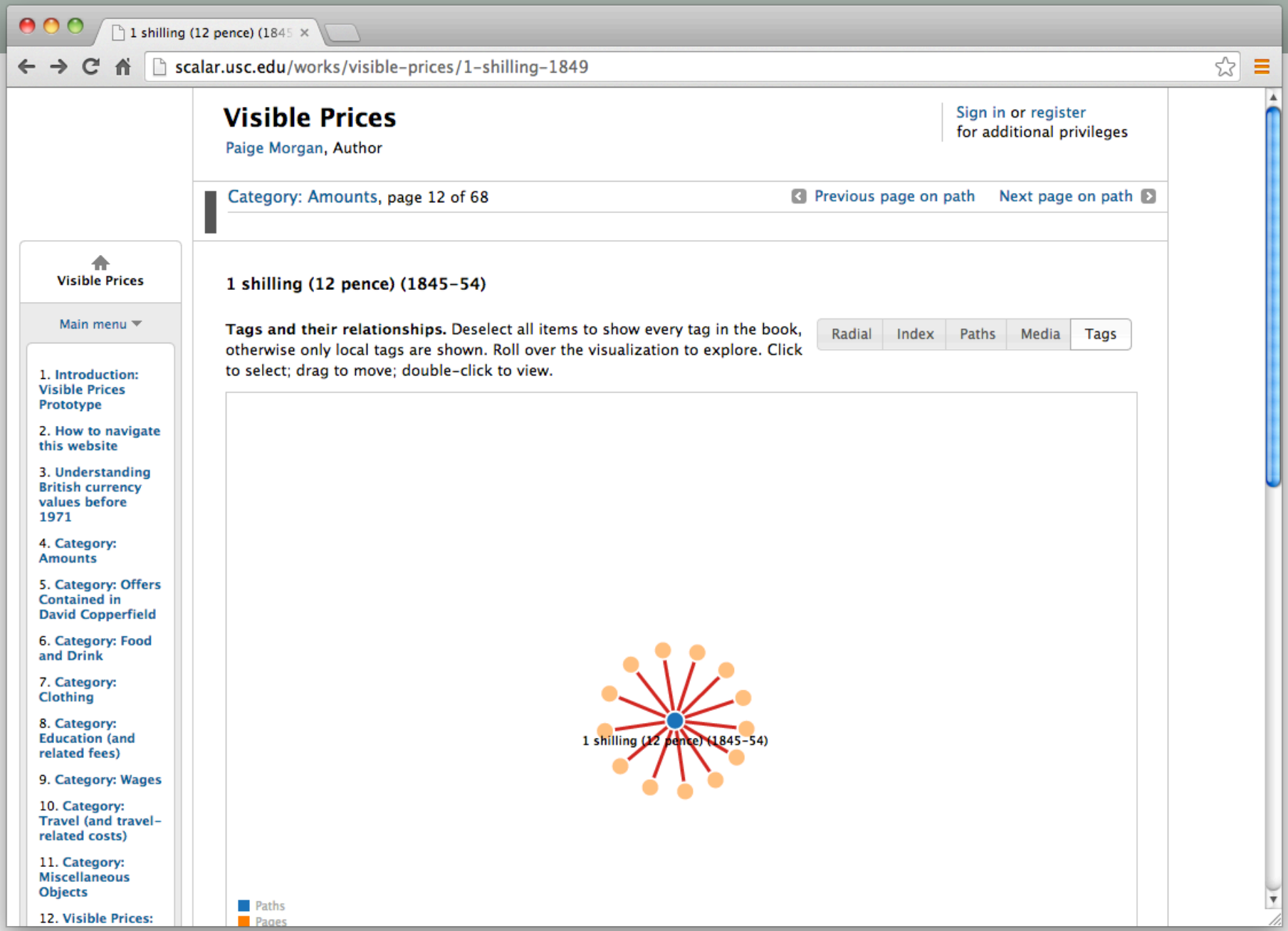
Carnegie Mellon University (Pittsburgh, USA); Georgetown University (Washington DC, USA)

KNALIJ for Six Degrees of Francis Bacon
knalij.com
sixdegreesoffrancisbacon.com

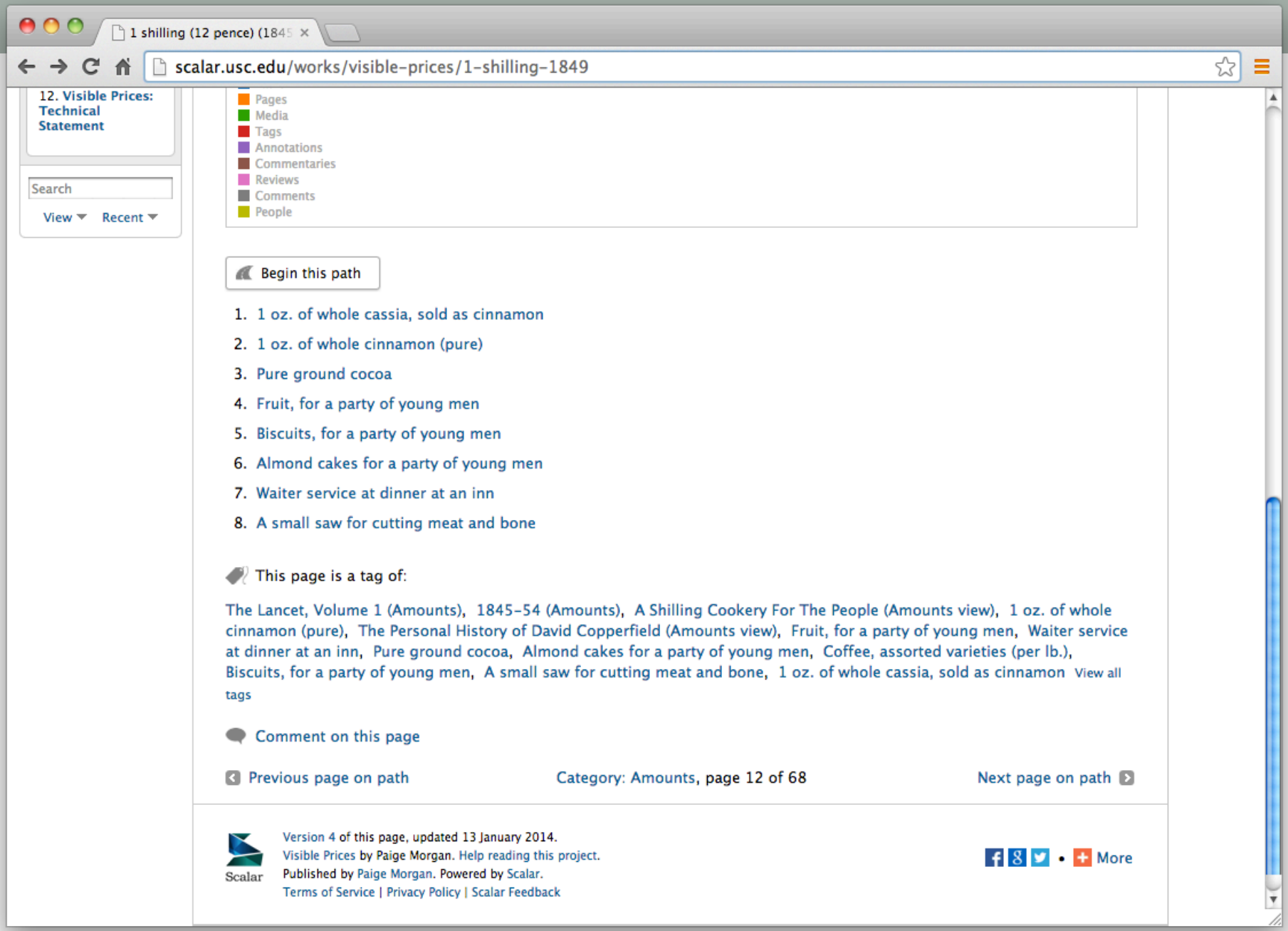


6 Degrees of Francis Bacon sixdegreesoffrancisbacon.com/
Carnegie Mellon University (Pittsburgh, USA);
Georgetown University (Washington DC, USA)

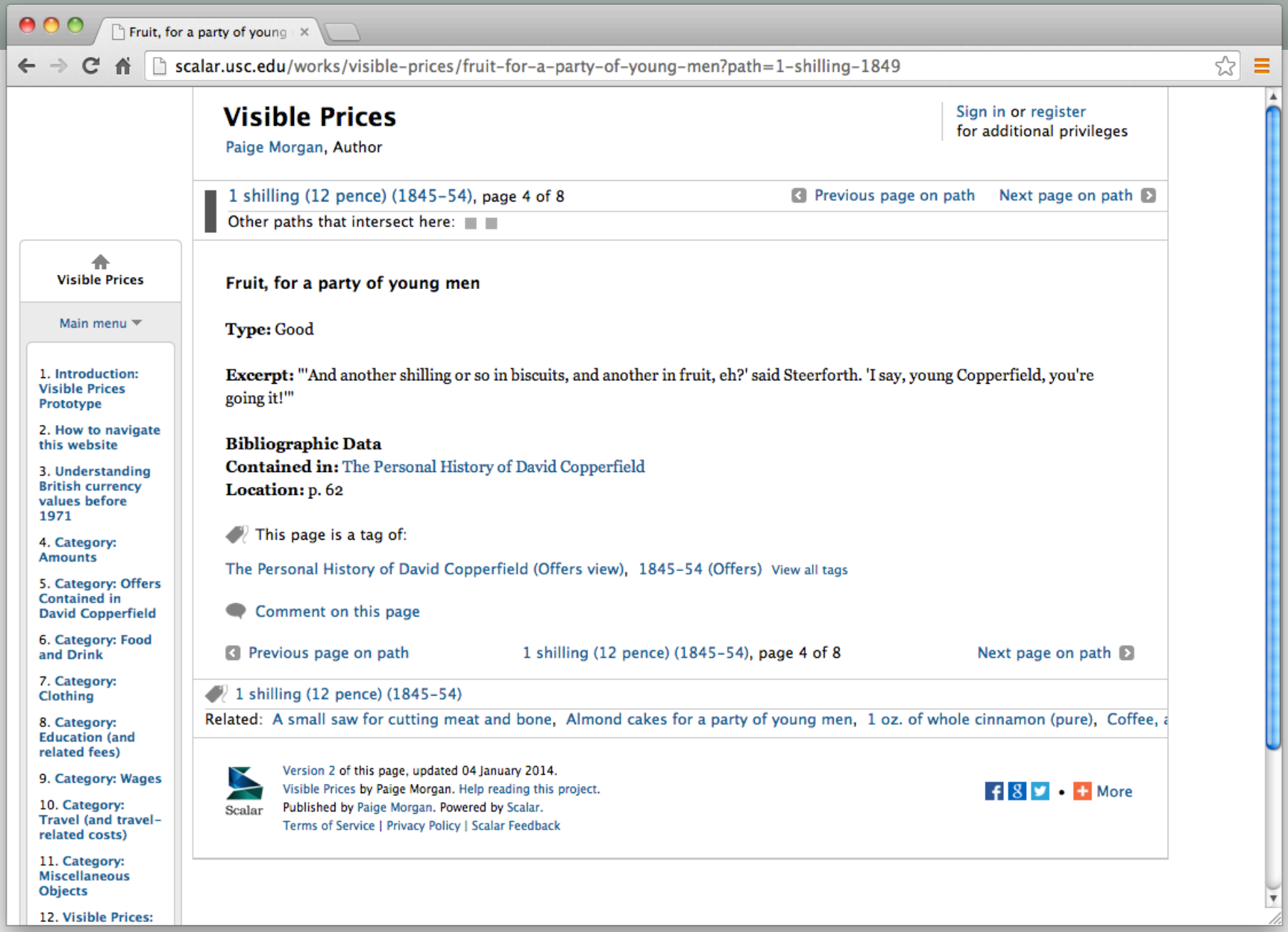
(zoom: http://www.andrew.cmu.edu/user/lawrencw/SDFB3Filter.png)



Visible Prices, Paige C. Morgan http://scalar.usc.edu/works/visible-prices

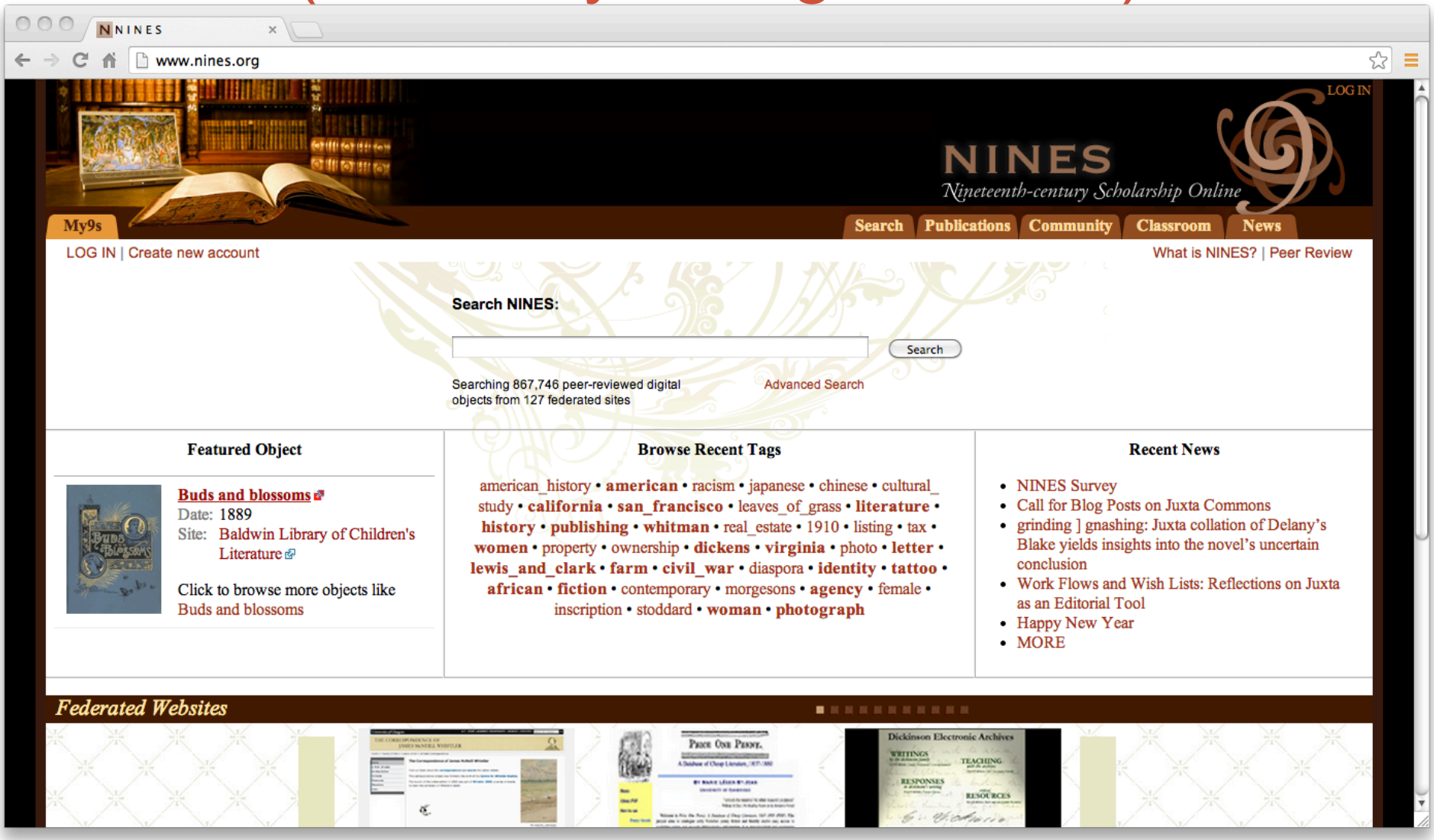


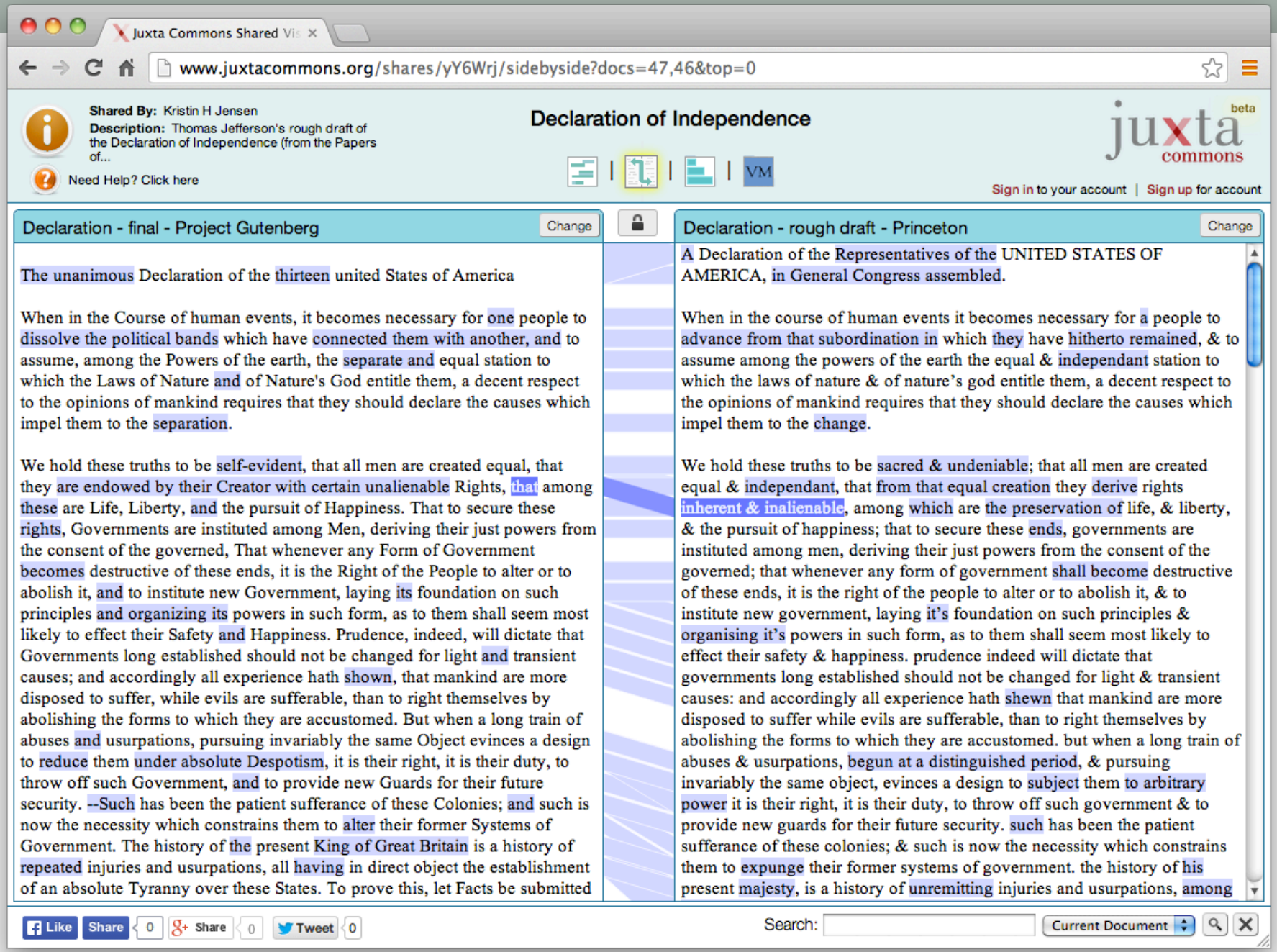
Visible Prices, Paige C. Morgan http://scalar.usc.edu/works/visible-prices



Visible Prices, Paige C. Morgan http://scalar.usc.edu/works/visible-prices

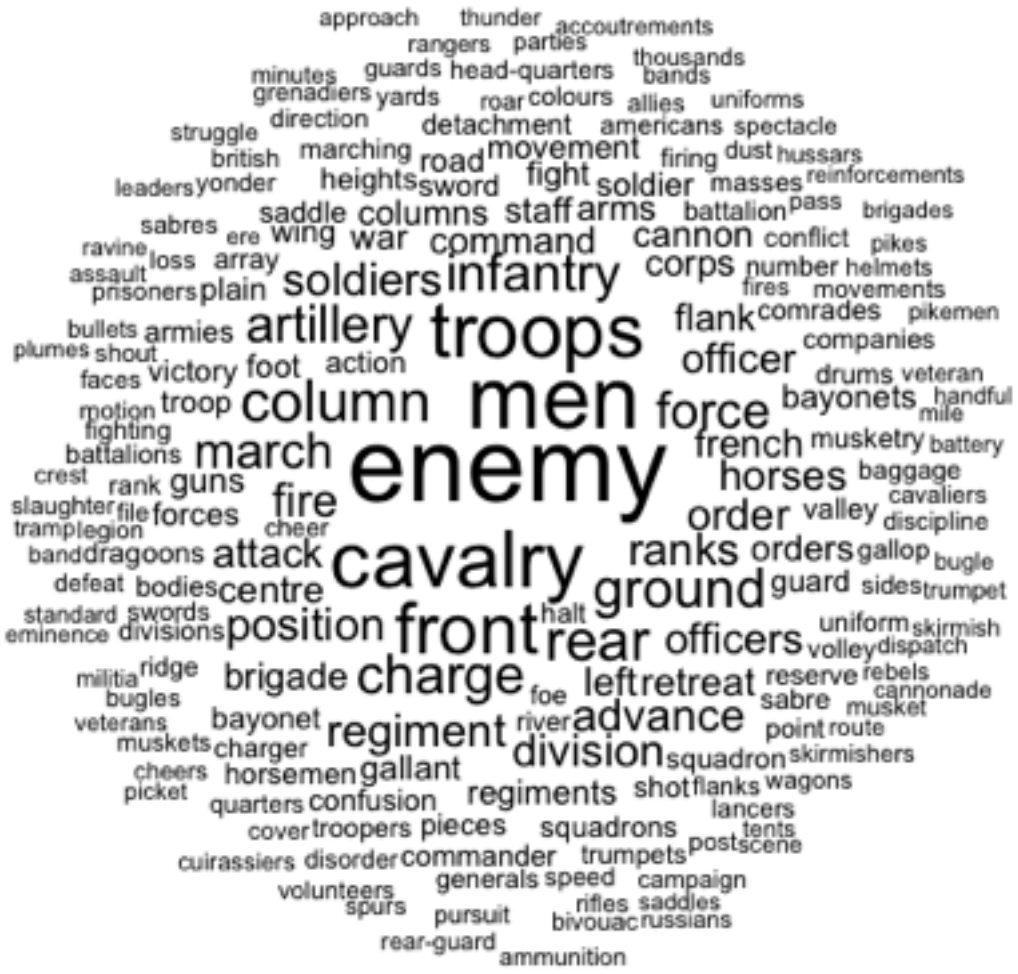
http://NINES.org
(University of Virginia, USA)





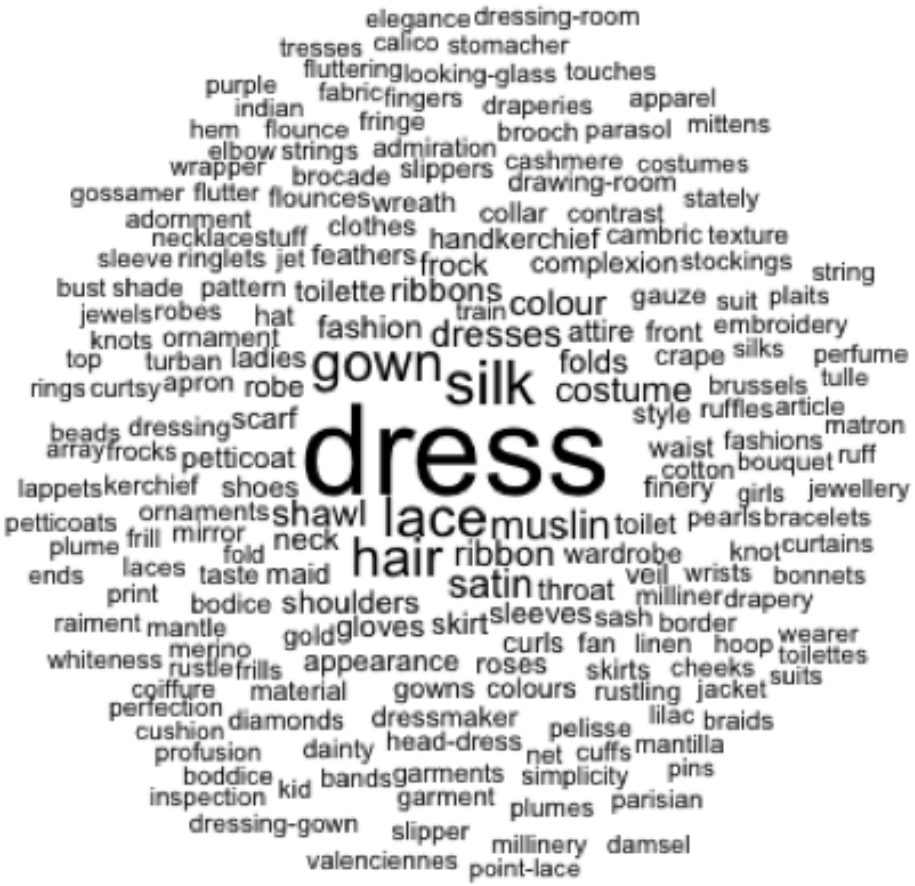
Juxta Commons, an offshoot of NINES: http://juxtacommons.com

Significant themes in 19thC Literature

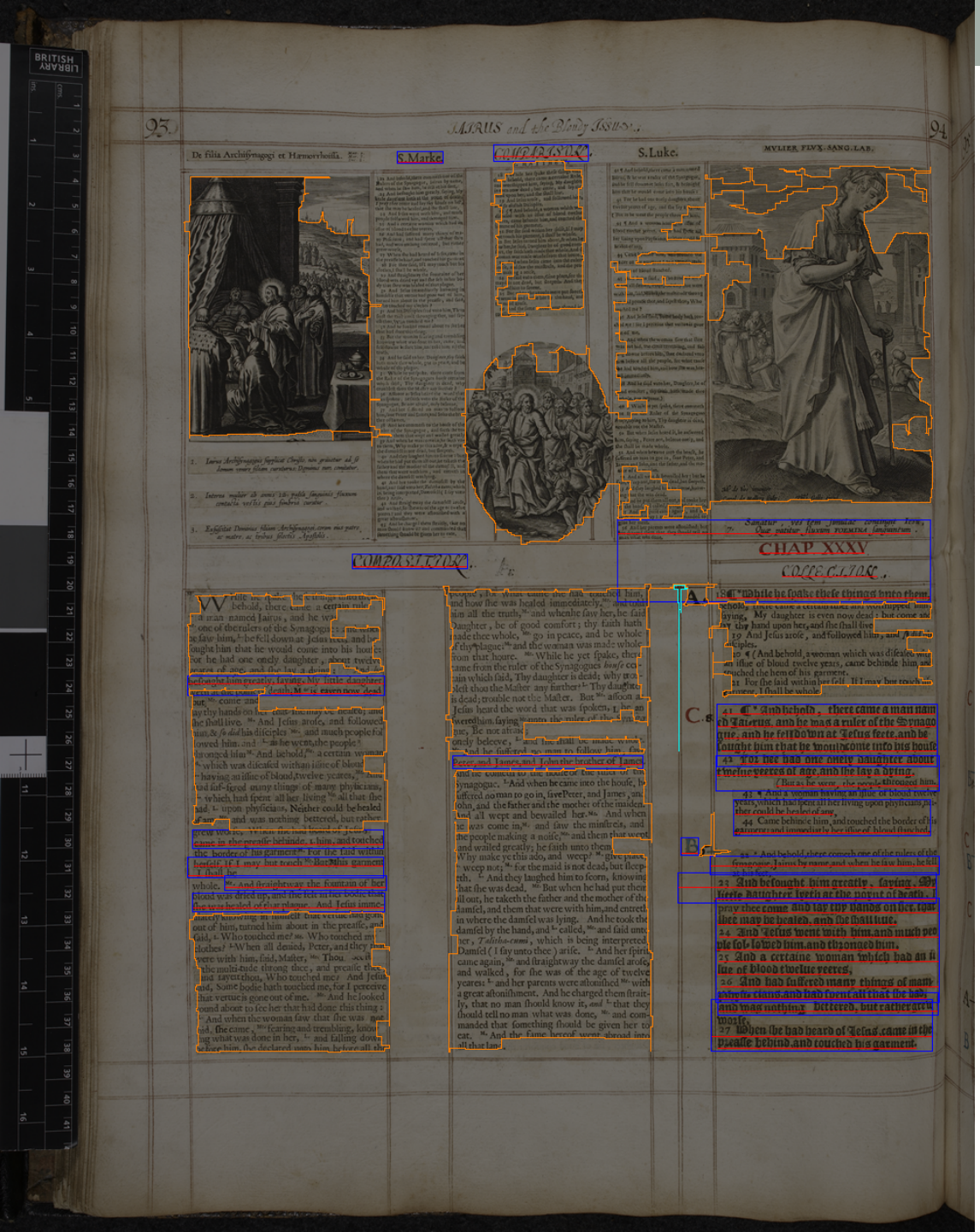


Jockers, M. and Mimno, D., (2013). “Significant Themes in 19th Century Literature”. *Poetics*. 41:6. 750-769

Significant themes in 19thC Literature



Jockers, M. and Mimno, D., (2013). “Significant Themes in 19th Century Literature”. *Poetics*. 41:6. 750-769



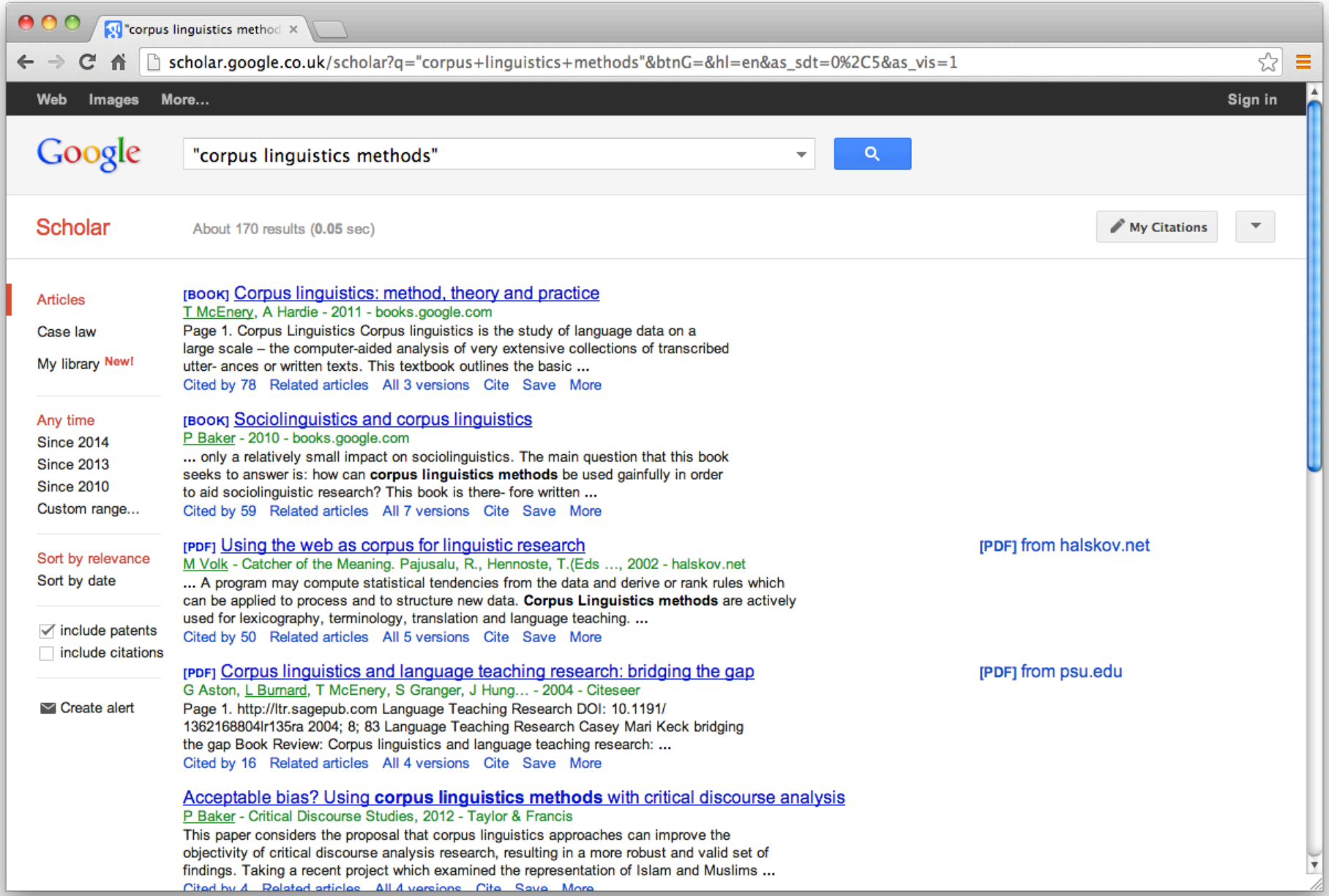
Prototyping A Digital Edition of the Little Gidding Harmonies.

Whitney Trettien
http://whitneyannetrettien.com/littlegidding/

Can we use these approaches?

- How can these be implemented with corpus linguistics?
  - Should they be?

Are there Digital Humanities-specific methods?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[BOOK] Corpus linguistics: method, theory and practice
T McEnery, A Hardie - 2011 - books.google.com
Page 1. Corpus Linguistics Corpus linguistics is the study of language data on a large scale – the computer-aided analysis of very extensive collections of transcribed utter- ances or written texts. This textbook outlines the basic ...
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[BOOK] Sociolinguistics and corpus linguistics
P Baker - 2010 - books.google.com
... only a relatively small impact on sociolinguistics. The main question that this book seeks to answer is: how can corpus linguistics methods be used gainfully in order to aid sociolinguistic research? This book is there- fore written ...
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M Volk - Catcher of the Meaning. Pajusalu, R., Hennoste, T.(Eds ..., 2002 - halskov.net
... A program may compute statistical tendencies from the data and derive or rank rules which can be applied to process and to structure new data. Corpus Linguistics methods are actively used for lexicography, terminology, translation and language teaching. ...
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G Aston, L Burnard, T McEnery, S Granger, J Hung... - 2004 - Citeseer
Page 1. http://ltr.sagepub.com Language Teaching Research DOI: 10.1191/1362168804lr135ra 2004; 8; 83 Language Teaching Research Casey Mari Keck bridging the gap Book Review: Corpus linguistics and language teaching research: ...
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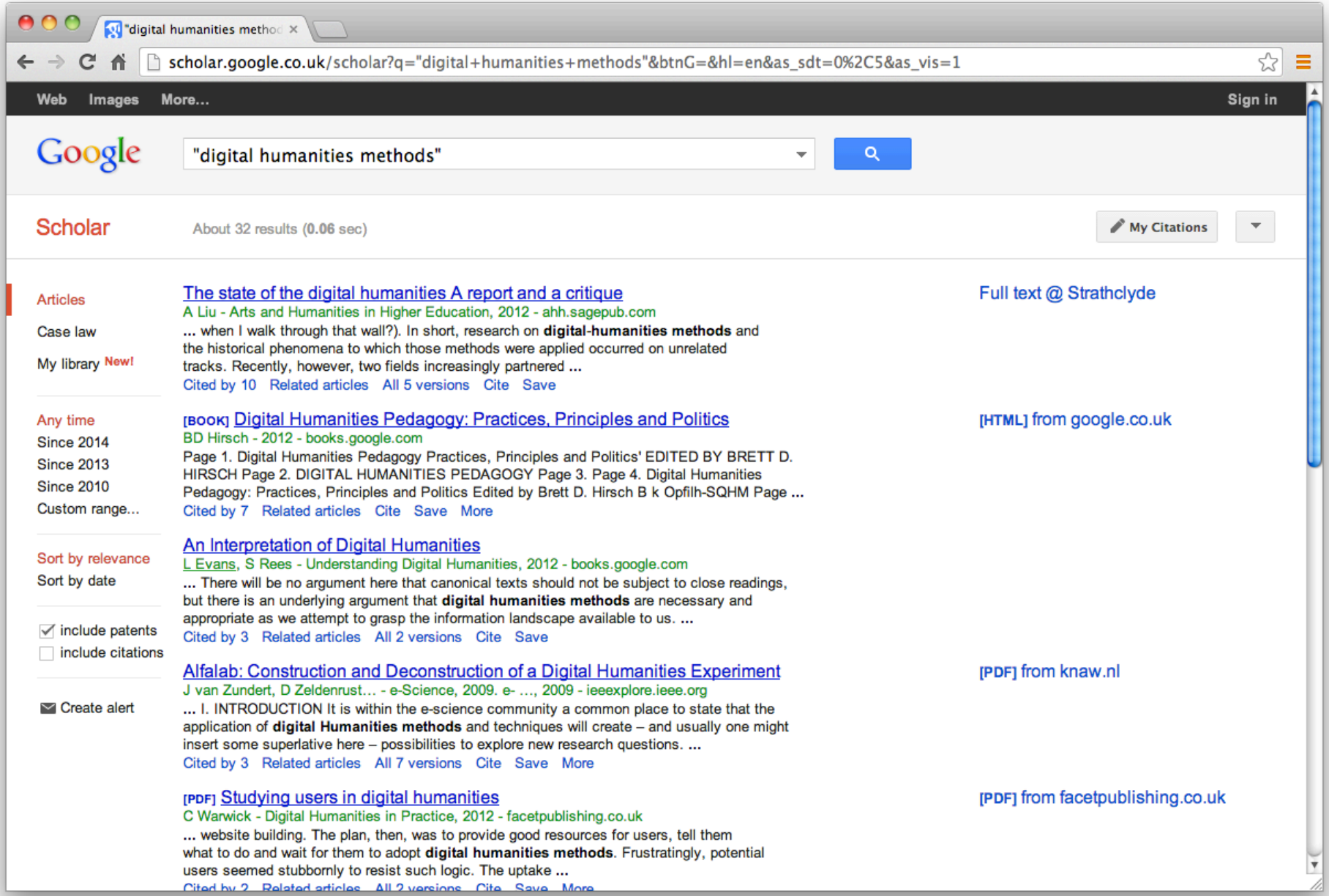
Acceptable bias? Using corpus linguistics methods with critical discourse analysis
P Baker - Critical Discourse Studies, 2012 - Taylor & Francis
This paper considers the proposal that corpus linguistics approaches can improve the objectivity of critical discourse analysis research, resulting in a more robust and valid set of findings. Taking a recent project which examined the representation of Islam and Muslims ...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The state of the digital humanities A report and a critique
A Liu - Arts and Humanities in Higher Education, 2012 - ahh.sagepub.com
... when I walk through that wall?). In short, research on digital-humanities methods and the historical phenomena to which those methods were applied occurred on unrelated tracks. Recently, however, two fields increasingly partnered ...
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[BOOK] Digital Humanities Pedagogy: Practices, Principles and Politics
BD Hirsch - 2012 - books.google.com
Page 1. Digital Humanities Pedagogy Practices, Principles and Politics' EDITED BY BRETT D. HIRSCH Page 2. DIGITAL HUMANITIES PEDAGOGY Page 3. Page 4. Digital Humanities Pedagogy: Practices, Principles and Politics Edited by Brett D. Hirsch B k Opfilh-SQHM Page ...
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[HTML] from google.co.uk
An Interpretation of Digital Humanities
L Evans, S Rees - Understanding Digital Humanities, 2012 - books.google.com
... There will be no argument here that canonical texts should not be subject to close readings, but there is an underlying argument that digital humanities methods are necessary and appropriate as we attempt to grasp the information landscape available to us. ...
Cited by 3 Related articles All 2 versions Cite Save
Alfalab: Construction and Deconstruction of a Digital Humanities Experiment
J van Zundert, D Zeldenrust... - e-Science, 2009. e- ..., 2009 - ieeexplore.ieee.org
... I. INTRODUCTION It is within the e-science community a common place to state that the application of digital Humanities methods and techniques will create – and usually one might insert some superlative here – possibilities to explore new research questions. ...
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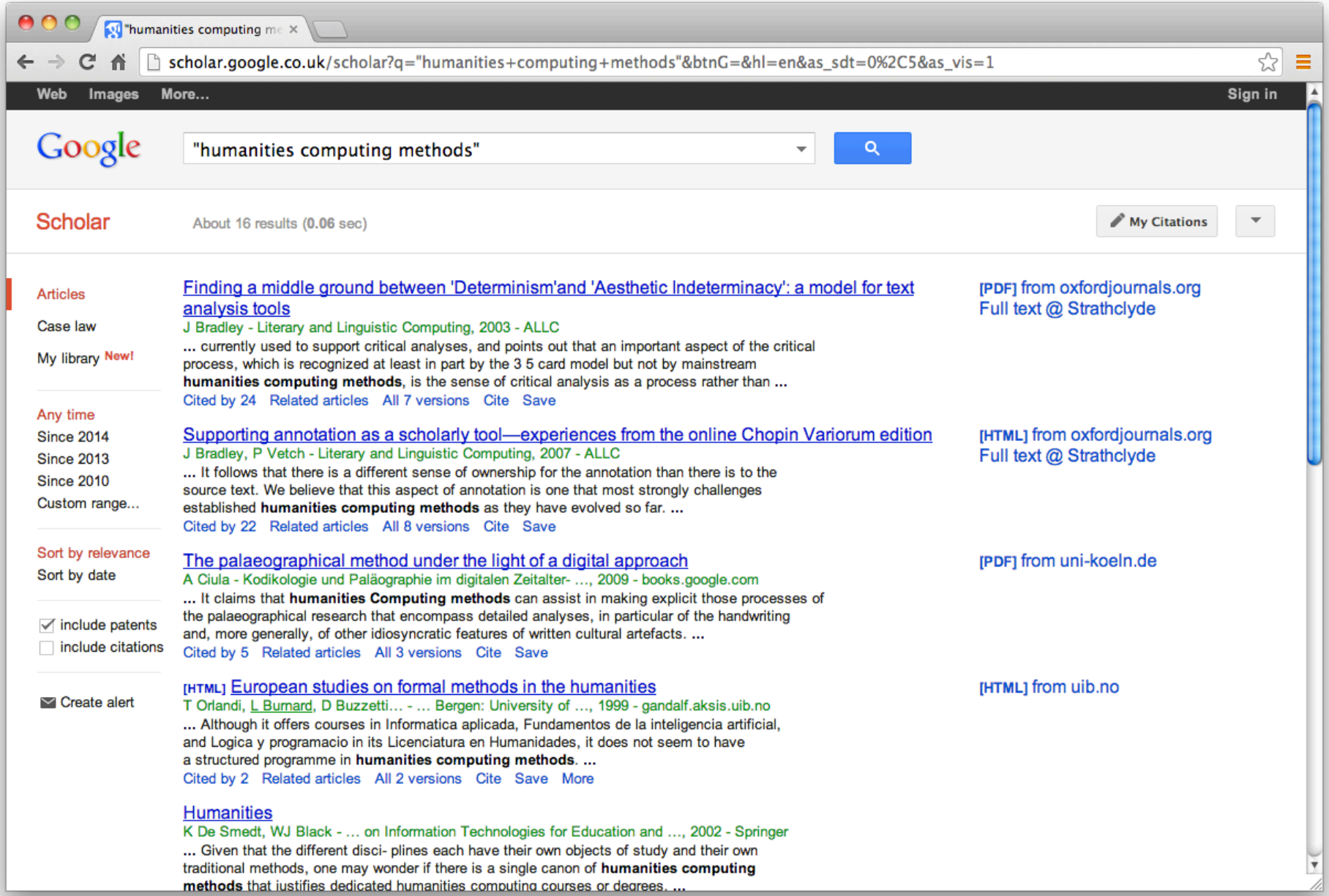
C Warwick - Digital Humanities in Practice, 2012 - facetpublishing.co.uk
... website building. The plan, then, was to provide good resources for users, tell them what to do and wait for them to adopt digital humanities methods. Frustratingly, potential users seemed stubbornly to resist such logic. The uptake ...
[PDF] from facetpublishing.co.uk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Finding a middle ground between 'Determinism'and 'Aesthetic Indeterminacy': a model for text analysis tools
J Bradley - Literary and Linguistic Computing, 2003 - ALLC
... currently used to support critical analyses, and points out that an important aspect of the critical process, which is recognized at least in part by the 3 5 card model but not by mainstream humanities computing methods, is the sense of critical analysis as a process rather than ...
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Supporting annotation as a scholarly tool—experiences from the online Chopin Variorum edition
J Bradley, P Vetch - Literary and Linguistic Computing, 2007 - ALLC
... It follows that there is a different sense of ownership for the annotation than there is to the source text. We believe that this aspect of annotation is one that most strongly challenges established humanities computing methods as they have evolved so far. ...
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The palaeographical method under the light of a digital approach
A Ciula - Kodikologie und Paläographie im digitalen Zeitalter- ..., 2009 - books.google.com
... It claims that humanities Computing methods can assist in making explicit those processes of the palaeographical research that encompass detailed analyses, in particular of the handwriting and, more generally, of other idiosyncratic features of written cultural artefacts. ...
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[HTML] European studies on formal methods in the humanities
T Orlandi, L Burnard, D Buzzetti... - ... Bergen: University of ..., 1999 - gandalf.aksis.uib.no
... Although it offers courses in Informatica aplicada, Fundamentos de la inteligencia artificial, and Logica y programacio in its Licenciatura en Humanidades, it does not seem to have a structured programme in humanities computing methods. ...
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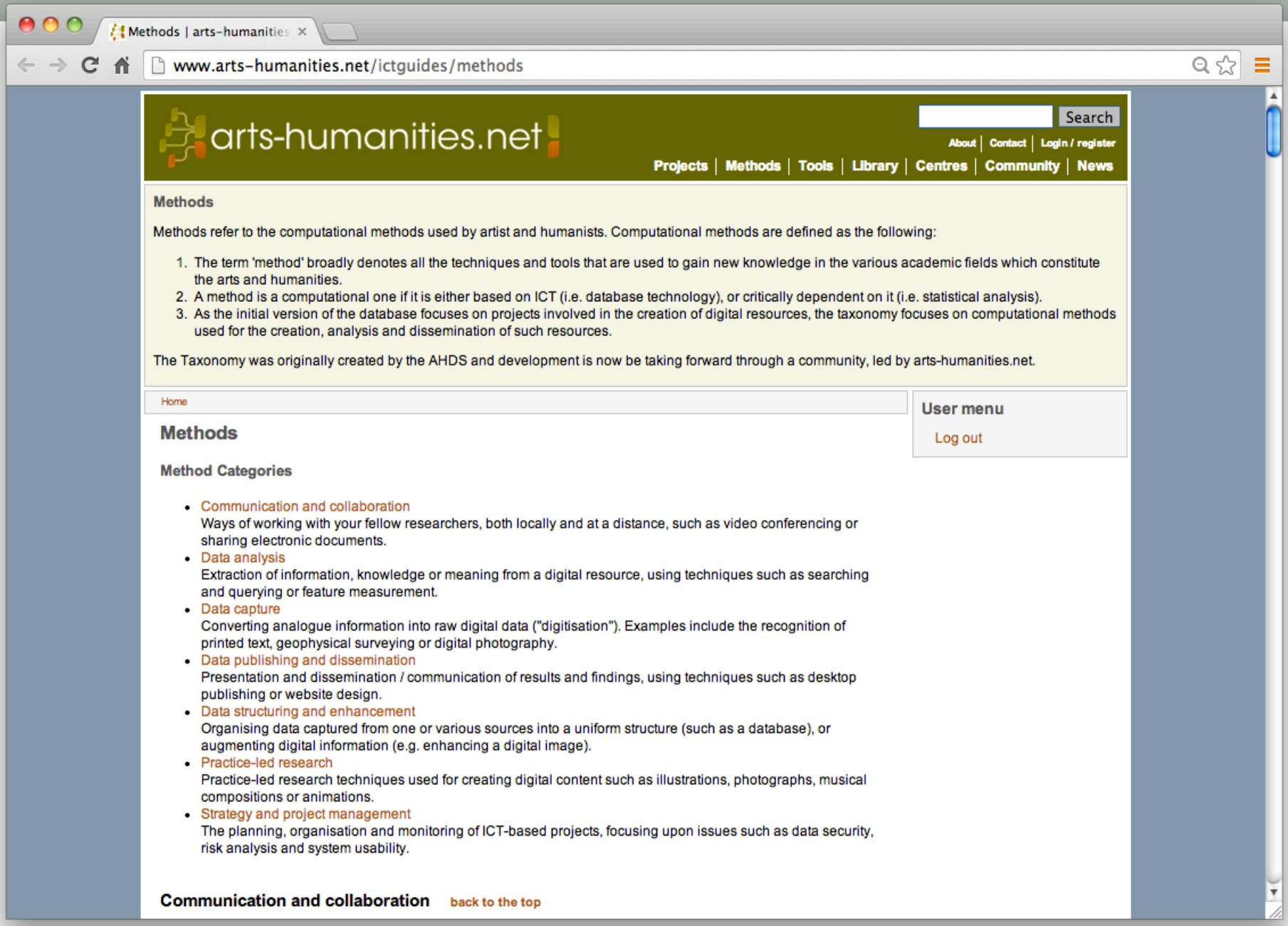
Humanities
K De Smedt, WJ Black - ... on Information Technologies for Education and ..., 2002 - Springer
... Given that the different disci- plines each have their own objects of study and their own traditional methods, one may wonder if there is a single canon of humanities computing methods that justifies dedicated humanities computing courses or degrees. ...


Methods | arts-humanities
www.arts-humanities.net/ictguides/methods
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Search
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Projects | Methods | Tools | Library | Centres | Community | News
Methods
Methods refer to the computational methods used by artist and humanists. Computational methods are defined as the following:
1. The term 'method' broadly denotes all the techniques and tools that are used to gain new knowledge in the various academic fields which constitute the arts and humanities.
2. A method is a computational one if it is either based on ICT (i.e. database technology), or critically dependent on it (i.e. statistical analysis).
3. As the initial version of the database focuses on projects involved in the creation of digital resources, the taxonomy focuses on computational methods used for the creation, analysis and dissemination of such resources.
The Taxonomy was originally created by the AHDS and development is now be taking forward through a community, led by arts-humanities.net.
Home
User menu
Log out
Methods
Method Categories
Communication and collaboration
Ways of working with your fellow researchers, both locally and at a distance, such as video conferencing or sharing electronic documents.
Data analysis
Extraction of information, knowledge or meaning from a digital resource, using techniques such as searching and querying or feature measurement.
Data capture
Converting analogue information into raw digital data ("digitisation"). Examples include the recognition of printed text, geophysical surveying or digital photography.
Data publishing and dissemination
Presentation and dissemination / communication of results and findings, using techniques such as desktop publishing or website design.
Data structuring and enhancement
Organising data captured from one or various sources into a uniform structure (such as a database), or augmenting digital information (e.g. enhancing a digital image).
Practice-led research
Practice-led research techniques used for creating digital content such as illustrations, photographs, musical compositions or animations.
Strategy and project management
The planning, organisation and monitoring of ICT-based projects, focusing upon issues such as data security, risk analysis and system usability.
Communication and collaboration
back to the top

Data analysis (a subcategory) according to http://www.arts-humanities.net/ictguides/methods

- Collating
- Collocating
- Content Analysis
- Content-Based Image Retrieval
- Content-Based sound retrieval
- Data mining
- Image feature measurement
- Image segmentation
- Motion analysis
- Overlaying
- Parsing
- Record Linkages
- Searching & Querying
- Spatial Data Analysis
- Statistical Analysis
- Stemmatics
- Stylometrics
- Text mining
- Visualization

Corpus linguistics and DH: revisited

- What can corpus linguistics get out of digital humanities?
- What can digital humanities get out of corpus linguistics?

Where do we go from here?

Macroanalysis (Jockers 2013, 12)

"The streets of this 'new' world are paved with gold and the colonizers have arrived […] **Scholarly thinking about the digital has been brought about because of the very simple fact that digital objects, digital data stores, and digital libraries in particular have become both large and easily accessible. We have built it, and they are coming**. […] Do video game analysis and stylometry really make good bedfellows? Probably not; these are entirely different threads.* Understanding how we got to this point of free-loving digital humanities is useful not simply as a matter of disciplinary history **but as a way of contextualizing and understanding the methods and results.**"

Do we have a case of this?

Macroanalysis (Jockers 2013, 12)

* “Just so it is clear, I am a big fan of the ‘big tent’ or the ‘big umbrella’, if you will […] In the spirit of the Summer of Love, we donned tie-dyed shirts and let a thousand DH flowers bloom. We love our DH colleagues one and all. […] We do different things in DH; we are vast.”

Where does Finland fit in all of this?

- Many of the projects presented today are North American
  - This is NOT to say that the UK and EU don't have thriving DH projects (they do)
    - AHRC, ESRC, JISC (UK)
    - European Research Council, HERA, EADH
    - Mellon Foundation, Digging Into Data

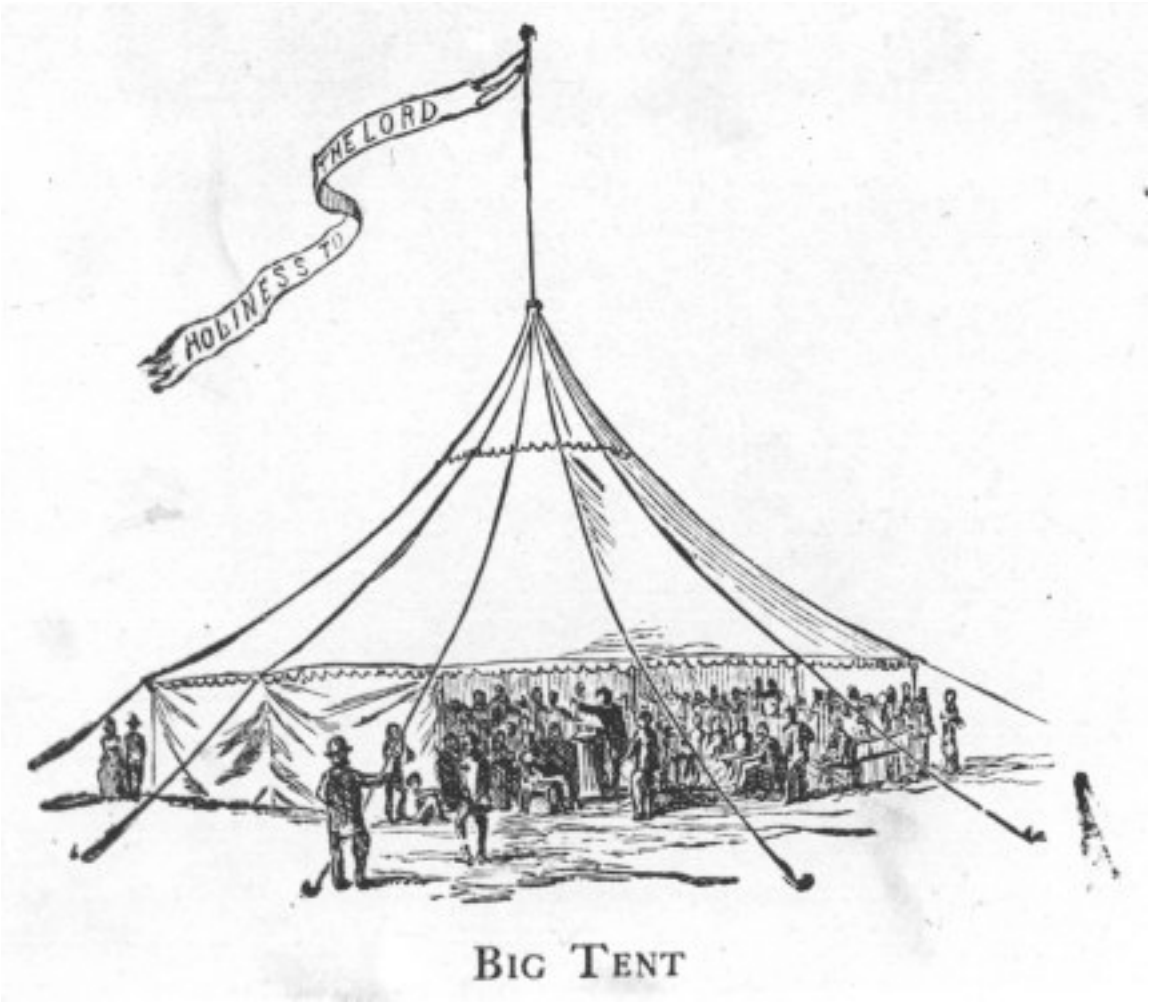
Where does VARIENG fit in all this?

- **VARIENG stands for the Research Unit for the Study of Variation, Contacts and Change in English.** It also stands for innovative thinking and team work in English corpus linguistics and the study of language variation and change.

- VARIENG members study the English language, its uses and users, both today and in the past. We are interested in how language is situated in social, cognitive, textual and discourse contexts, and produced in speaker interaction; how language varies and changes in meaning and structure; and how change is connected with language typology.

http://www.helsinki.fi/varieng/

Big Tent Digital Humanities?



BIG TENT

How do we put DH + CL together?

(Do we want to?)

What we've covered:

- Pros, cons, possibilities, limitations
- Digital humanities and/or corpus linguistics
- Corpus linguistics and/or digital humanities

What do we think are further directions?

SAY "DIGITAL HUMANITIES"
ONE MORE GODDAMN TIME.

Thank you!