**Digging Deeper Reaching Further**

Libraries Empowering Users to Mine the HathiTrust Digital Library Resources

**Resources and Readings**

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**MODULE 1**

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**MODULE 2.1**

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**MODULE 2.2**

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**Further Reading and Resources**

**SUPPORTING DIGITAL SCHOLARSHIP**

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**OTHER TEXT ANALYSIS EXAMPLES**

* Digging For Nuggets Of Wisdom – The New York Times. October 10, 2003. Retrieved January 25, 2017, from <http://www.nytimes.com/2003/10/16/technology/digging-for-nuggets-of-wisdom.html>
* Lancashire, I., & Hirst, G. (2009). Vocabulary changes in Agatha Christie’s mysteries as an indication of dementia: A case study. In *19th Annual Rotman Research Institute Conference, Cognitive Aging: Research and Practice,*8-10.  ftp://ftp.cs.toronto.edu/pub/gh/Lancashire+Hirst-extabs-2009.pdf

**BASH COMMANDS**

* Introduction to Bash: <http://programminghistorian.org/lessons/intro-to-bash>
* Curl and wget: <https://daniel.haxx.se/docs/curl-vs-wget.html>

**PYTHON**

* Official Python FAQ: <https://docs.python.org/3/faq/index.html>
* List of Python beginner’s guides for non-programmers: <https://wiki.python.org/moin/BeginnersGuide/NonProgrammers>

**DATA VISUALIZATION**

**General:**

* Moretti, F. (2005). *Graphs, maps, trees: abstract models for a literary history*. Verso.
* Steele, J., & Iliinsky, N. (2010). *Beautiful visualization: looking at data through the eyes of experts*. ” O’Reilly Media, Inc.
* Yau, N. (2011). *Visualize this: The FlowingData guide to design, visualization, and statistics*. Indianapolis, IN: Wiley Pub.
* The Data Visualization Catalogue developed by Severino Ribecca: <http://www.datavizcatalogue.com/index.html>
* Introduction to Data Visualization: Visualization Types: <http://guides.library.duke.edu/datavis/vis_types>

**Culturomics:**

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**Tag clouds:**

* Waldner, M., Schrammel, J., Klein, M., Kristjánsdóttir, K., Unger, D., & Tscheligi, M. (2013, May). FacetClouds: exploring tag clouds for multi-dimensional data. In *Proceedings of Graphics Interface 2013* (pp. 17-24). Canadian Information Processing Society.

**Data visualization examples:**

* Visualizing Data: [http://www.visualisingdata.com](http://www.visualisingdata.com/)
* FlowingData: [http://flowingdata.com](http://flowingdata.com/)
* Information is Beautiful: <http://www.informationisbeautiful.net/visualizations>
* Text Visualization Browser: [http://textvis.lnu.se](http://textvis.lnu.se/)

**DATA CURATION AND MANAGEMENT**

* DH Curation Guide: [http://guide.dhcuration.org](http://guide.dhcuration.org/)
* Digital Curation Centre: <http://www.dcc.ac.uk/>
* Research Data Alliance: [https://www.rd-alliance.org](https://www.rd-alliance.org/)
* Research Data and Preservation symposium (RDAP) 2011 Summer Humanities Data Curation Summit, Muñoz and Renear, “Issues in Humanities Data Curation” discussion paper: <http://cirssweb.lis.illinois.edu/paloalto/whitepaper/premeeting/>
* ACLS, Our Cultural Commonwealth, The report of the American Council of Learned Societies Commission on Cyberinfrastructure for the Humanities and Social Sciences (2006): <http://www.acls.org/cyberinfrastructure/ourculturalcommonwealth.pdf>
* Data life cycle: <http://data.library.virginia.edu/data-management/lifecycle/>
* Examples of Data Management Plans from previous successful NEH grant applications: <https://www.neh.gov/divisions/odh/grant-news/data-management-plans-successful-grant-applications-2011-2014-now-available>

**DATA COLLECTIONS AND TOOLS**

**Collecting data:**

* Text and data mining at MIT (a guide for MIT affiliates on rights and restrictions for using licensed resources for text and data mining): <https://libraries.mit.edu/scholarly/publishing/text-and-data-mining-at-mit/>
* JSTOR Data for Research: [http://dfr.jstor.org](http://dfr.jstor.org/)
* DocSouth Data: <http://docsouth.unc.edu/docsouthdata/>
* Folger Digital Texts: <http://www.folgerdigitaltexts.org/download/>
* Internet Archive: <https://archive.org/index.php>
* Twitter API Overview*:*<https://dev.twitter.com/overview/api>
* Ethical use of social media data: Research Ethics for Students & Teachers: Social Media in the Classroom:  this handout was created by the Digital Alchemists and collaborators and produced by The Center for Solutions to Online Violence (CSOV). <http://femtechnet.org/wp-content/uploads/2016/06/Research-Ethics-For-Students-Teachers_Social-Media-in-the-Classroom_DA-CSOV_2016-1.pdf>
* Bailey, M. (2015). # transform (ing) DH Writing and Research: An Autoethnography of Digital Humanities and Feminist Ethics. *DHQ: Digital Humanities Quarterly,* 9(2). http://www.digitalhumanities.org/dhq/vol/9/2/000209/000209.html

**Preparing data:**

* OpenRefine: [http://openrefine.org](http://openrefine.org/)

**Analyzing data:**

* Voyant: [http://voyant-tools.org](http://voyant-tools.org/)
* Lexos: <http://lexos.wheatoncollege.edu/upload>
* AntConc: <http://www.laurenceanthony.net/software/antconc/>
* Weka: <http://www.cs.waikato.ac.nz/ml/weka/>
* Mallet: [http://mallet.cs.umass.edu](http://mallet.cs.umass.edu/)
* HTRC Algorithm: <https://analytics.hathitrust.org/statisticalalgorithms>

**Visualizing data:**

* Voyant: [http://voyant-tools.org](http://voyant-tools.org/)
* Wordle: [http://www.wordle.net](http://www.wordle.net/)
* ArcGIS Online/StoryMaps: <https://storymaps.arcgis.com/en/>
* Google Ngram Viewer: <https://books.google.com/ngrams>
* HathiTrust+Bookworm: <https://bookworm.htrc.illinois.edu/develop/>
* Tableau: [https://www.tableau.com](https://www.tableau.com/)
* Gephi: [https://gephi.org](https://gephi.org/)
* NodeXL: <http://www.smrfoundation.org/nodexl/>
* DH Press: [http://dhpress.org](http://dhpress.org/)

**Managing and sharing data:**

* Figshare: [https://figshare.com](https://figshare.com/)
* Github: [https://github.com](https://github.com/)
* Jupyter Notebook*:*[http://jupyter.org](http://jupyter.org/)
* Journal of Open Humanities Data: [http://openhumanitiesdata.metajnl.com](http://openhumanitiesdata.metajnl.com/)

**PROJECTS AND INITIATIVES SIMILAR TO DDRF**

* Data Carpentry: [http://www.datacarpentry.org](http://www.datacarpentry.org/)
* Rochester DH Institute for Mid-Career Librarians: <http://humanities.lib.rochester.edu/institute/>
* U Mass Data Management Lessons: <http://library.umassmed.edu/necdmc/index>
* Data Carpentry: <http://www.datacarpentry.org/>
* Software Carpentry:  <http://software-carpentry.org/>
* Library Carpentry: <https://github.com/data-lessons>
* DataCamp: <https://www.datacamp.com/courses>