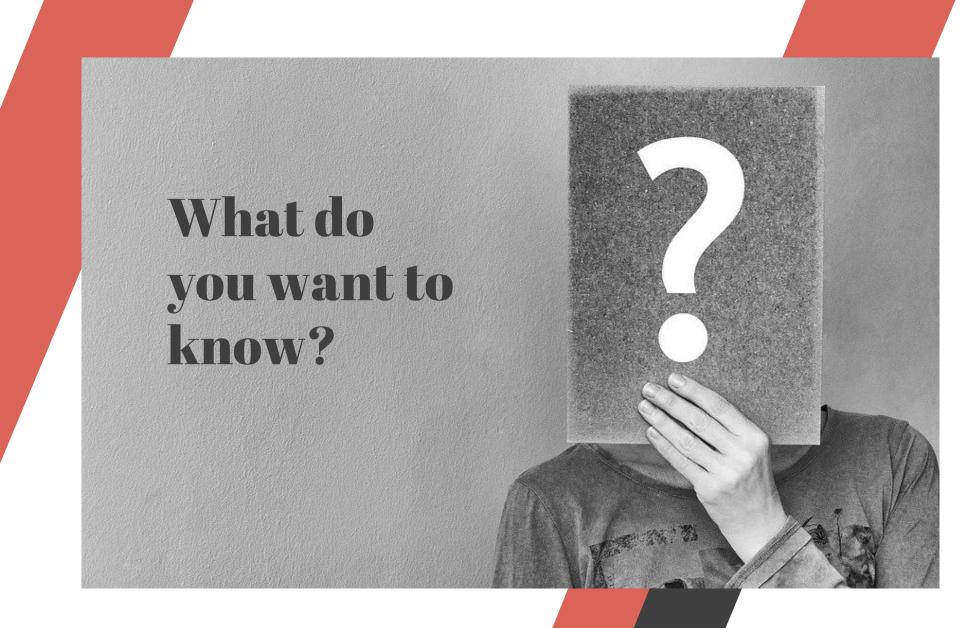




Workshop Goals

- 1. What do Digital Humanists do?
- 2. What are the tools that support that work?
- 3. Where can you go for help?



What is Digital Humanities?

Research that utilizes computational tools, techniques, and methodologies to explore people, their interactions, their history, their cultural practices, and all the other. things that make us human.

"Digital beyond the hard sciences"

- David De Roure



What is DH Research?

https://scholarblogs.emory.edu/pm4dh/



Producing.

Building a digital exhibit, or text encoding



Discovering.

Digitizing and making materials available



Analyzing

Text mining, network analysis, spatial analysis



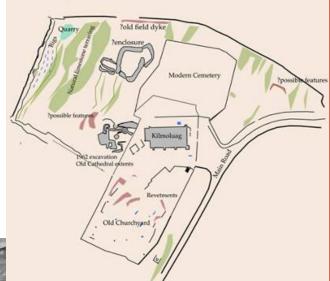
Preserving.

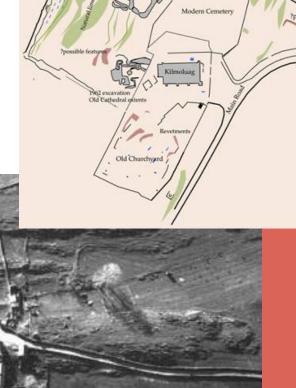
Archiving data and repositories



https://en.wikipedia.org/wiki/Book of Kells#/media/File:KellsFol019vBrevCausLuke.jpg

DATA.





Halper 252 ATTRIBUTION

University of Pennsylvania,

Herbert D. Katz Center for Advanced Judaic Studies Library,

Cairo Genizah Collection

Library Catalog Page [2]

Collapse Name & Attribution

Show Crib Sheet Show Field Guide Show Tutorial



Research Lifecycle







Planning.



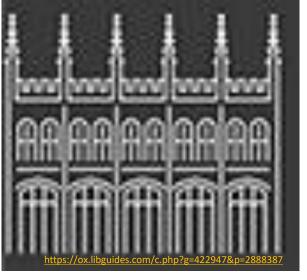
- Project planning
- Consultation with experts
- Data Management Planning
- Finding Funding
- Getting training

Training

Training Site	Format	DH Specific
<u>Programming Historian</u>	All online, self-directed training	✓
<u>Software Carpentry</u>	In person at your institution, online, and modules can also be self-directed	
Digital Humanities Summer Institute	Normally in person at University of Victoria, online this year	~
DH@OX Summer School	Normally in person at Oxford University, online this year	~
WestGrid and CCF	Varies	✓

Finding and Collecting Data

















Data sources

Here are some links and pointers to some data sources for Humanities and Social Sciences that might be useful!

Canadian Writing Research Collaboratory (CWRC)

https://cwrc.ca/about/what-cwrc

Project Gutenberg

https://www.gutenberg.org/

Hathi Trust

https://www.hathitrust.org/

Federated Research Data Repository

https://www.frdr-dfdr.ca/repo/.

Finding the Right Tools



LIBGuides are your friends
Visit training websites
GOOGLE
Colleagues
TAPoR - http://tapor.ca/home



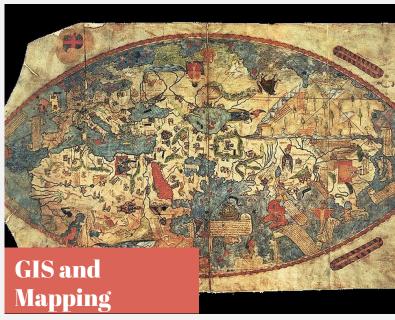


...The Best tool and Digital Humanities workflow is the tool that helps you answer your research questions.

Analysis

How do Humanists do what they do...digitally speaking? Below is. Guide to some basic DH workflows, tools, methods, and approaches for dealing with digital data.





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Text/Data Analysis

Clean

OpenRefine

https://openrefine.org/ OpenRefine for DH

OCR

Adobe
ABYY FineReader (\$\$\$)
Tesseract – OCR on large files
RegEx + Python

Mark up Texts

Text encoding initiative (TEI) XML

Analyze

Voyant - a few documents or words https://voyant-tools.org/

Topic modelling – large numbers of documetrs

Mallett - http://mallet.cs.umass.edu/
Tutorial - https://scottbot.net/tag/topic-modeling/

Python

https://www.python.org/ https://pythonhumanities.com/pythonfor-dh-course/

Visualize

Gephi

https://gephi.org/

Tableau (\$\$)

https://www.tableau.com/academic/stude nts

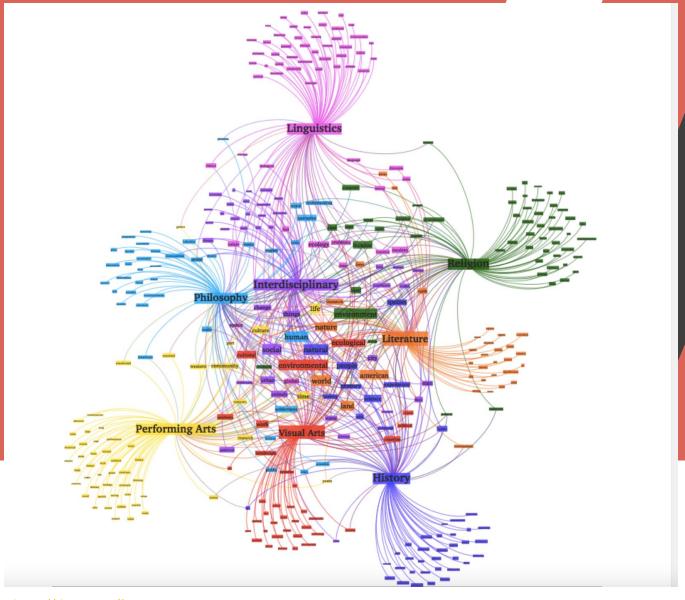
Paraview

https://docs.paraview.org/en/latest/index. html#

F

https://uomresearchit.github.io/r-tidyverse-digital-humanities

GIS

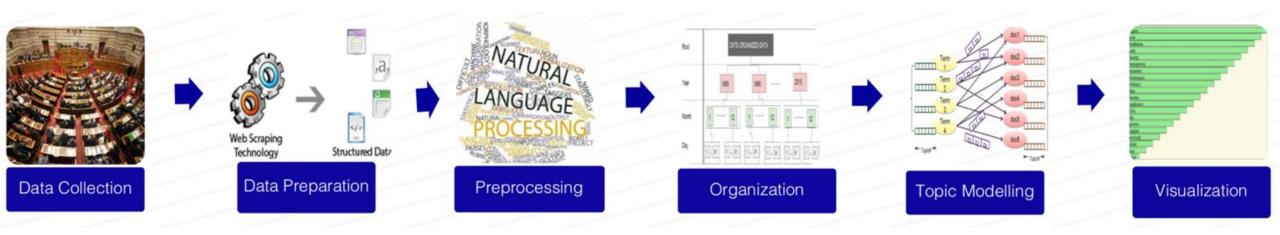


https://theoreti.ca/?p=5408

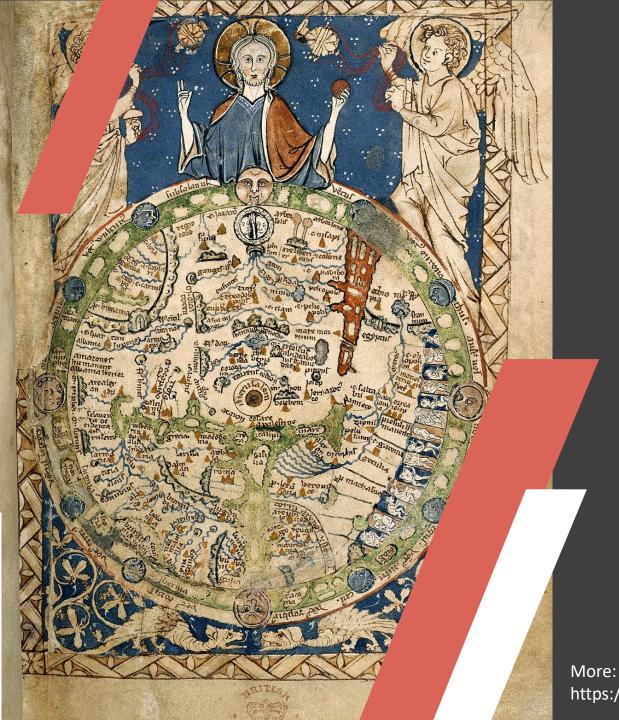


https://voyant-tools.org/

Parthenos Project DH Training



https://training.parthenos-project.eu/wp-content/uploads/2018/10/Fig13.png





ARC GIS.

(\$\$\$\$)
Windows and Cloud Versions
Industry Standard



QGIS.

Fre and Open Source
Desktop version for Windows and
MACOS



Leaflet

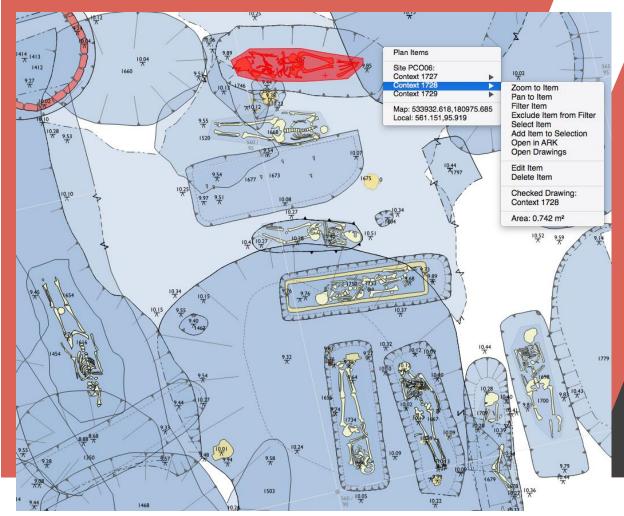


<u>This Photo</u> by Unknown Author is licensed under <u>CC BY-SA</u>

Neatline

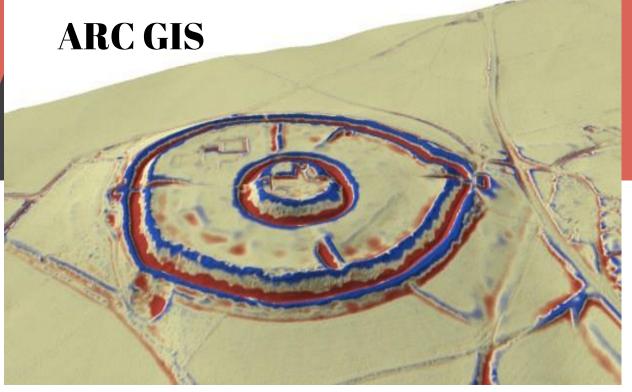
More: https://guides.lib.utexas.edu/digitalhumanities/gis-mapping

GIS and MAPPING



https://ark.lparchaeology.com/wiki/index.php/QGIS

QGis



https://www.archaeogeomancy.net/2016/04/lidar-analysis-toolkit-for-arcgis/

Digital Exhibitions and Publishing



Omeka Free and OpenSource

Web and Server versions
Plug-ins, such as Neatline

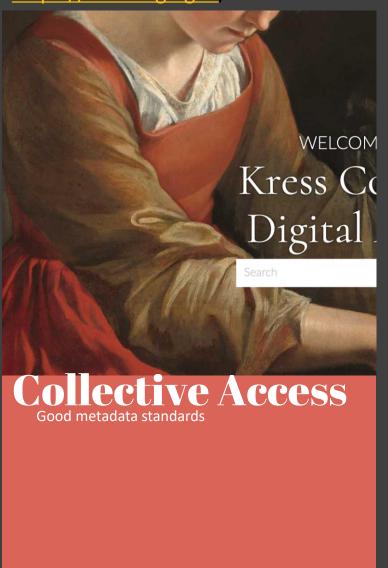
Easy to learn static webpages for showcasing research or blogging.

Jekyll + GitHub



https://lq.maps.arcgis.com/apps/Cascade/index.html?appid=f77eb52d27004b69aa55f256c2a97a30

https://kress.nga.gov/



What do I need to know?

This is a non-exhaustive tool-kit of the skills you will want to learn, or at least understand, to get a good first start at DH.

Computational Thinking for Humanities

- https://scholarblogs.emory.edu/pm4dh/formulating-the-pr ojects-guiding-question/
- http://devdh.org/lectures/discoverdh/researchideas
- https://digitalscholarship.wordpress.com/2011/10/14/getting-started-in-the-digital-humanities/
- DH Quarterly
- Other DH Books and journals

Command Line Interface

- https://software-carpentry.org/
- https://programminghistorian.org/
- Online and in-person training through CCF, DHSI, your loc al library or DH center.

Git and GitHub

https://github.com/

Python

- Online or in person training with CCF, WestGrid, or your local Library
- Programming Historian lessons

GIS and Mapping

- https://www.arcgis.com/index.html
- https://digitalhumanities.duke.edu/tools/neatline

Digital Storytelling, Publishing, and Exhibitions

- Omeka http://omeka.org/
- Collective Access http://collectiveaccess.org/
- Jekyll + GitHub
- SCALAR https://scalar.me/anvc/scalar/
- Additional Resources from Open Education Database
- Jekyll +GitHub https://www.youtube.com/watch?v=B4ss7AmQzlU

Data Clean up and Management

- DMP Tool https://dmptool.org/
- OpenRefine https://openrefine.org/

Thank You!

