



CENTER FOR TEXTUAL STUDIES AND DIGITAL HUMANITIES

DIGH 400 - Introduction to Digital Humanities Research

Fall Semester 2014

Week 13

Today's Class

- TEI Bibliography Example
- GIS in DH (continued)
- After Digitisation
- Classification

TEI Bibliography

- [Verne Example](#)

Verne Digital Corpus

- Many updates
 - Verne Digital Corpus Reference Sheets
 - The Jules Verne Encyclopedia
 - Summary of early US editions
 - Pre-1910 GB editions
 - 19th century French editions
 - Title Cross Reference (Original and variant titles...)
 - GB and US editions
 - Miscellaneous and Unidentified works
 - Overview of Adaptations

GIS in Digital Humanities - Using GIS

A few ideas - part 2

- assess usage within a specific area
- find information and data near to a given map position or location
- map change to a given area or location
- can be applied to current material, political, historical...

GIS in Digital Humanities - GIS Analysis

A framework for analysis - part 1

- carefully consider the problem we are trying to solve or analyse
- consider where the problem or data is located
- specific as possible helps with subsequent development
- what data is required to allow the analysis
- how do we obtain the data
- data could be pre-existing or require collection and sampling
- geoprocessing might also be necessary

GIS in Digital Humanities - GIS Analysis

A framework for analysis - part 2

- data needs to be organised, tagged, and appropriate metadata added
- check the data for errors, corruption or possible omissions
- ensure that the schema is appropriate for your project and its rendering scheme
- multiple datasets require checking relative to each other and the establishment of relations for analysis and presentation

GIS in Digital Humanities - GIS Analysis

A framework for analysis - part 3

- analyse datasets for presentation and display
- analyse the data for patterns, associations, overlaps...
- location used as common key between datasets
- space and time can be used to relate data within a GIS
- space can record location relative to x, y, and z
 - longitude, latitude, and elevation
- time can record date/time of occurrence relative to location
- often representative of different quantified systems of reference

GIS in Digital Humanities - GIS Analysis

Overlays for maps

- overlays will often be used to frame the display and transition of datasets
- overlays provide additional layers of data
- positioned relative to the original underlying map
- designed to add value or further context to a given location, area, region...
- overlays can be considered individually, and as a coherent series
- combine several datasets in layers represented as points, lines, polygons, images, other maps...
- vector output dataset, which may be visually similar to a series of maps of the region
- order of display for multiple datasets becomes particularly important

GIS in Digital Humanities - Yosemite National Park

Let's add some layers...

[Example](#)

GIS in Digital Humanities - Examples

- [MIT GIS Project examples](#)
- [National Park Service - Yellowstone Park](#)
- [U Mass Past Project Examples \(2008\)](#)
- [Smithsonian Conservation GIS Projects](#)

...

GIS in Digital Humanities - A few other tools

- [ArcGIS](#) is an integrated GIS development environment
- [Quantum GIS](#) is a user friendly open source GIS
- [OpenGeoDa](#) is a free software program that serves as an introduction to spatial data analysis
- [NHGIS](#), National Historical Geographic Information System

Google Maps API

Getting Started

- many different API implementations including Javascript
- v3 of the API reference allows manipulation of the map and layers...
- currently 14 sections available within the API reference, and many more subsections
- we can also use the API reference to create other uses for the Maps and layers

A few examples

OpenLayers API

<http://www.openlayers.org/>

- alternative to Google Maps API
- pure Javascript library, which requires no server side support
- Javascript API
- intended to separate map tools from map data

[Image zoom example](#)

Digitisation

- options for digitisation
 - library, repository, holder etc digitises material
 - scanner
 - digital photography
 - book scanner
 - microfilm scanner
 - 3D imaging

...

After Digitisation

- a few basic concepts
- metadata
- web optimisation
- storage
- access
- user manipulation
- preservation

After Digitisation - A few basic concepts

- digitised images should follow some basic concepts
 - captured at a minimum resolution of 300 DPI
 - captured in 24 bit colour
 - saved as uncompressed TIFF file format
 - include full technical metadata
- borders and bindings should be preserved in the original digitised image
- scale and colour meter used where available
- single colour, matte background
- even, direct lighting

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March 14th

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Dalloway is a new book. What I expect to happen is that half some two figures will detach themselves from the party & go off independently into another volume; but I have no notion of this at present. The book of stories ought to be complete in itself. It must have some unity, though I want to publish each character separately.

One of the characters is to be a pair of candlesticks, or a vase of flowers. another the picture. another a long conversation.

There could be done this summer.

5 The girl who had written an essay on the character of Thelma broke talking to the young man who destroyed it. My as he speaks.

The Past founded on major ancient worship; what it amounts to. - means. Some middle aged women of distinguished parents, - he feels for her father & mother - and so.

After Digitisation - Copyright

[JISC Copyright Guide](#)

[US Public Domain Copyright Guide](#)