



## CENTER FOR TEXTUAL STUDIES AND DIGITAL HUMANITIES

# DIGH 400 - Introduction to Digital Humanities Research

Fall Semester 2013

Week 4

## Today's Class

- Computing within humanities
- Digitisation

## Discussion Analysis

Mark Twain project

Old into new, or how would the Victorians have done it?

## Computing within Humanities

### Archaeology

- material record as supplement to historical or interpreter of prehistoric
- contextual record supplementary to material
- detailed records aid post-excavation analysis
- record keeping and relational data
- archaeological computing was already being considered in the 1970s
- database records and statistical analysis

## Computing within Humanities

### Archaeology

- Computer Applications and Quantitative Methods in Archaeology (University of Birmingham, 1973)
- standards in record sets has proven problematic
- OASIS and ADS
- preservation of digital data

## Computing within Humanities

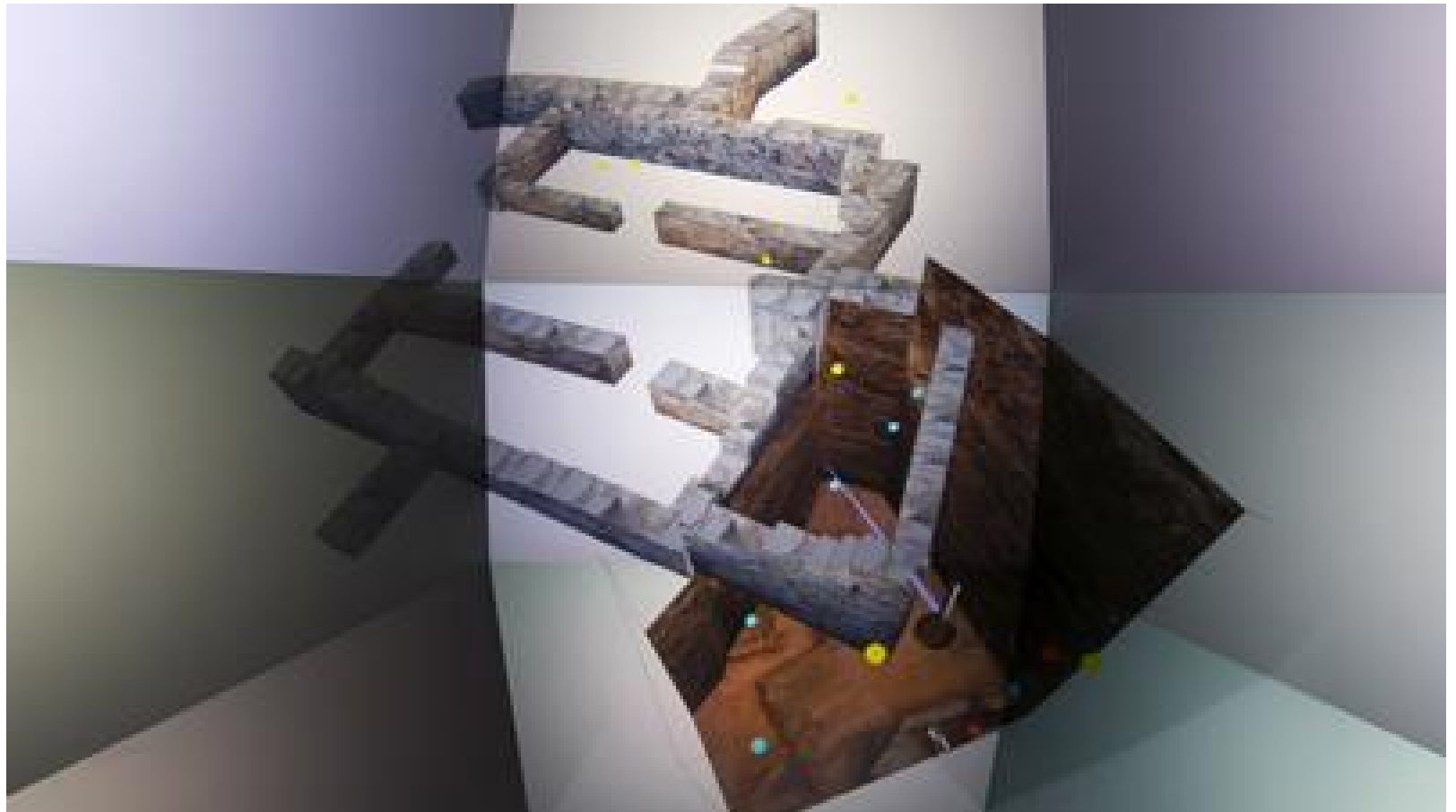
### Archaeology

- computing influences also include
  - GIS and mapping
  - CAD
  - 3D virtual environments

[Stonehenge](#)

# Computing within Humanities

## Archaeology





## Computing within Humanities

Archaeology

- tablets and iPad

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## Computing within Humanities

### Literary Studies

- identification of strings and patterns in electronic texts
- concordances and word lists
- process a larger body of material
- aids in the discovery and memory of patterns

## Computing within Humanities

### Literary Studies

- replacing error-prone manual studies
- comparative approaches
- define methodologies for identifying patterns and matches



## Computing within Humanities

### Literary Studies

- human interpretation of statistical results
- priority of empirical data
- study of repetitive structures in text
  - eg: characters, syllables, words or phrases
- repetitions and echoes traced

## Computing within Humanities

### Literary Studies

- assumption of automatic means for analysis and testing
- application of strict, detailed textual preparation if no automated process
- markup as an external intervention
- markup allows a critically interpretative process
- open criteria for encoding textual material

## Computing within Humanities

### Literary Studies

- Electronic Scholarly Editions
- [TuStep](#) ([example](#))
- personalised markup
- modification of encodings to match software analysis requirements



## Computing within Humanities

### Literary Studies

- The Wonderful World of TEI...

Read a potted [introduction and history](#) at the TEI website.

- [Caxton](#)

## Overview of Digitisation

- crossroads of research and development
- consider options for digitisation of analogue record (primarily historical)
- inherent benefits of digitisation

## The process has begun

- many fine examples now exist of digital archives, projects, editions...
  - [Papers Past](#)
  - [Library of Congress](#)
  - [British Library](#)
- Google Books project
  - interesting '[History](#)' of the project
- [EEBO](#), [ECCO](#), [NCCO](#) & others such as [Internet Archive](#)...
- EEBO-TCP
  - [intro](#)
- To date millions of dollars have gone in to the digitisation of our cultural record

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## Online research exercise

### Jules Verne and H.G.Wells

- find as many different editions of
  - Around the World in Eighty Days
  - A Journey to the Centre of the Earth
  - The Time Machine
  - The War of the Worlds
- record availability, copyright notice, PDF download option, original source for digitised copy...
- create a collaborative spreadsheet and share with group

