From Metadata to Linked Data

Essay Topics

Dr. Owen Conlan, Introduction to Metadata to Linked Data
Module Assessment

• Overview
  - 25% for Assignment
    • Announced during the next lecture
  - 75% for Essay
    • 3,000-4,000 words
Essay Topics

• Does metadata unify or divide? On the coherence of Digital 'Humanities' as a single domain, and how it manifests in meta-data design and deployment.
  – http://chronicle.com/article/The-Humanities-Done-Digitally/127382/

• Domain selection for semantic modelling in digital humanities repositories: reflections on how to choose relevant concepts that are both appropriate and support the evolving standards of the web.
Essay Topics (cont.)

• How does modelling natural language in a markup language such as XML (with its associated rule-based syntax such as DTDs or Schema) both constrain how the text can be further processed while providing new models for knowledge representation? Discuss these constraints/affordances with reference to one or more of the XML schema (TEI/Mods/Dublin Core/MARC, etc) we discussed in class.

• Negotiating and representing a shared understanding of a Humanities domain using Ontology represents a significant challenge. Discuss the pragmatic, philosophical and technological barriers to sharing knowledge in this manner.
Essay Topics (cont.)

• How are space and time currently represented in Digital Archives and Collections? What is the impact of structured representations and vocabularies? What are the outstanding challenges for such representations? (Survey paper)

• How do national and international governing bodies, funding agencies and/or standards bodies help or hinder the adoption of knowledge organisation technologies? Discuss in the context of Digital Humanities.
Essay Topics (cont.)

• Querying and extracting useful information from knowledge structures, such as RDF, presents technological and HCI challenges. Discuss the current state of such query technologies and interfaces and their suitability and potential for application in Digital Humanities context.

• Cultural heritage institutions and archives have the potential to set the agenda for major applications of Linked Data. Discuss.

• Is the Linked Open Data web just for Computer Scientists? How well supported are domain experts in different Humanities disciplines by the existing vocabularies, datasets and technologies?
Questions?

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