Data Farms or Fields of Dreams?

Libraries Can Do Collaborative Assessment

Library Assessment Conference | 2010 Baltimore

Joe Zucca
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Collaborative Assessment is possible…

…with the right tools
A unique vantage point for the study of community dynamics and their implications for service.
“Could you build a user profile with everything I’ve ever taken out, and then put me into this group that does research on a certain topic like mine and I could opt in to it?”  Library Focus Group Participant, 2009
Events: a model for high resolution observation of communities
Events in a Star Schema for data warehousing

- **<environmental>**
  - DIMENSION
- **<event>**
  - FACT
  - DIMENSION
- **<service genre>**
  - DIMENSION
- **<affiliation>**
  - DIMENSION
- **<user role>**
  - DIMENSION
- **<resource>**
  - DIMENSION
- **<library program>**
  - DIMENSION

Repository
Event matrix

Course ID

Course Management	Readings

Affiliation

VOY-CIRC

EZR-PROXY

Journal

Article

Repository
MetriDoc workflow
E.T.L. Extract. Transform. Load

Repository
Index

Load: Data Store
load tables, handle queries, issue data

Transformation service
decode, resolve, normalize, anonymize

Extraction service
extractors create & edit schema

Data sources
oclc
Crossref

Penn data warehouse

message channel
Results
Query
MetriDoc raw
MetriDoc raw
MetriDoc raw
MetriDoc trigger
Analysis Tier [fields of dreams]

Commercial Data Analysis & Visualization Tools

Data Farm Service
- delivery service
- analysis service
- stats repository

Load: Data Store

Transformation service

Extraction service

Formats:
- rss
- XL
- html
- MetriDoc
- xml
Generalized, Community – Developed E.T.L.

Network of MetriDoc-like frameworks

- Open-source components
- Small, repurpose-able code base
- Ease of project formation
- Integrated data store
- Modular architecture
- Decouple-able modules for local or commercially-designed options.
Collaborative Assessment is possible…

…with a governance structure guiding:

  technology development
  policy formation, adherence to standards
  library/vendor partnerships
  design of metrics
Next Steps at Penn

Work on IMLS Leadership Grant, 2010-2011

Assemble replicable technology framework for deployment of MetiDoc

Rollout reference projects to demonstrate capacities and techniques

Explore the feasibility of integrating MetriDoc components into architecture of the Kuali Online Library Environment [Kuali-OLE]

Further the discussion about frameworks for collecting library and research intelligence among interested institutions.
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Undergrad visits have been steadily dropping. Facilities are the most important thing to undergrads.