Network Analysis of Libraries Used by Faculty, Staff, and APs

Arranged alphabetically

JoAnn Jacoby

University Library
University of Illinois at Urbana-Champaign
Methods

• Data mined from the survey sent to all faculty & staff in Spring 2006 were used to create social network maps of UIUC Libraries

• Responses to “Indicate your primary library/ (ies)” were used to create network maps
  – Respondents could choose as many libraries as they pleased

• Reveals connections between departmental libraries from the users’ perspective
Network map of connections among all UIUC libraries. Lines were drawn when 5 or more respondents reported using both of the libraries. Selected nodes in color.
Some Individual Faculty

Pink – Spanish, Italian & Portuguese, Associate Professor
Indigo - Physics, Professor
Green - Agricultural Science (ACES), Academic Professional
Light Blue - Cinema Studies, Assistant Professor
Major connections - 20 or more respondents.
Network Graphs By Library, Listed Alphabetically
Note

Libraries with less than 5 connections to any other library are *not* displayed. These are:

- Fire Services Institute (affiliate)
- Lincoln Room
- Sousa Archives
- University High School Library
- Waste Management (affiliate)
ACES (Agricultural, Consumer & Environmental Sciences)
Applied Health Sciences
(formerly known as “Applied Life Studies”)
Art & Architecture
Business & Economics
Chemistry
City Planning & Landscape Architecture
(part of ACES as of May 2008)
Classics
Health Sciences
(administered by University of Illinois Chicago)
History, Philosophy & Newspaper
Labor & Industrial Relations
(virtual library starting Sept 2007)
Library & Information Science
(virtual library starting May 2009)
Modern Languages & Linguistics
Music
Natural History Survey
(affiliate; part of Life Science Division)
Newspaper
(part of History Philosophy & Newspaper Library as of Aug 2005)
Physics
Veterinary Medicine
Analysis
<table>
<thead>
<tr>
<th>Status</th>
<th>2005-06 Total Head Count</th>
<th>Number of Respondents</th>
<th>Estimated Response Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>862</td>
<td>181</td>
<td>21.0%</td>
</tr>
<tr>
<td>Assoc Professors</td>
<td>549</td>
<td>118</td>
<td>21.5%</td>
</tr>
<tr>
<td>Asst Professors</td>
<td>545</td>
<td>114</td>
<td>20.9%</td>
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<tr>
<td>Visiting Faculty</td>
<td>172</td>
<td>37</td>
<td>21.5%</td>
</tr>
<tr>
<td>Academic Professional</td>
<td>2133</td>
<td>647</td>
<td>30.3%</td>
</tr>
<tr>
<td>Other (Postdocs, GAs, Staff)</td>
<td>8763</td>
<td>253</td>
<td>2.9%</td>
</tr>
<tr>
<td>Headcount Staff/All funds</td>
<td>13103*</td>
<td>1350</td>
<td>10.3%</td>
</tr>
</tbody>
</table>

* Distributed by a campus-mediated “massmail,” the survey was sent to 12,399 (not 13103) individuals because the headcount at the time was less than the annual maximum. The response rate was therefore slightly higher than shown in this chart based on DMI figures.
Frequency Histogram of Number of Libraries Selected

Number of Libraries Selected

Frequency
Cluster analysis of all libraries

Confirms some patterns in the network maps, but is of limited utility in identifying potential mergers.