



Collective Insight

Driven by Shared Data



#InsightSeries

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MOBIUS Annual Conference
June 5, 2013



Collective Insight

Driven by Shared Data

This year, the series' focus is Collective Insight: Driven by Shared Data. Over the past decade, we've seen many organizations utilize data in new and exciting ways, and "linked data," "big data" and "data visualization" have permeated these discussions. Data is an essential driver of success. How can libraries collectively leverage our shared data to gain greater insight and strengthen the services we provide?

Join us for this series of discussions!

Libraries work together to find solutions, save money, learn from each other, share resources and achieve efficiencies. The goal of the new Collective Insight series is to take this idea and extend it to broad issues that impact the work libraries do. By applying some massively collaborative thinking to issues and opportunities that libraries face today, we can deepen our collective knowledge, broaden our expertise, and discover specific actions that can be applied immediately—both at your library, and across the OCLC cooperative.

UPCOMING EVENTS AND WEBINARS IN THIS SERIES



Collective Insight: Driven by Shared Data
5 June 2013 | 9:00 to Noon
MOBIUS Annual Conference
Capitol Plaza Hotel, Jefferson City, MO

In recent years organizations have begun using data in new and exciting ways. Phrases like "linked data," "big data" and "data visualization" have permeated these discussions, signaling a broader trend toward data-driven insight and integration of libraries into the wider Web. Data is increasingly an essential driver of success throughout the library. How can we share and use data within the library community and the information industry to gain greater insight into our collections, patrons, and... utilize this data to reach out to our users on the Web? Join

PAST PRESENTATIONS AND RESOURCES »



Featured video: Noah Iliinsky on "Four Pillars of Data Visualization"



Outline

- I. What is Big Data; Big Data for Libraries
- II. User Data
- III. Collections and Syndication
- IV. Bibliographic Data

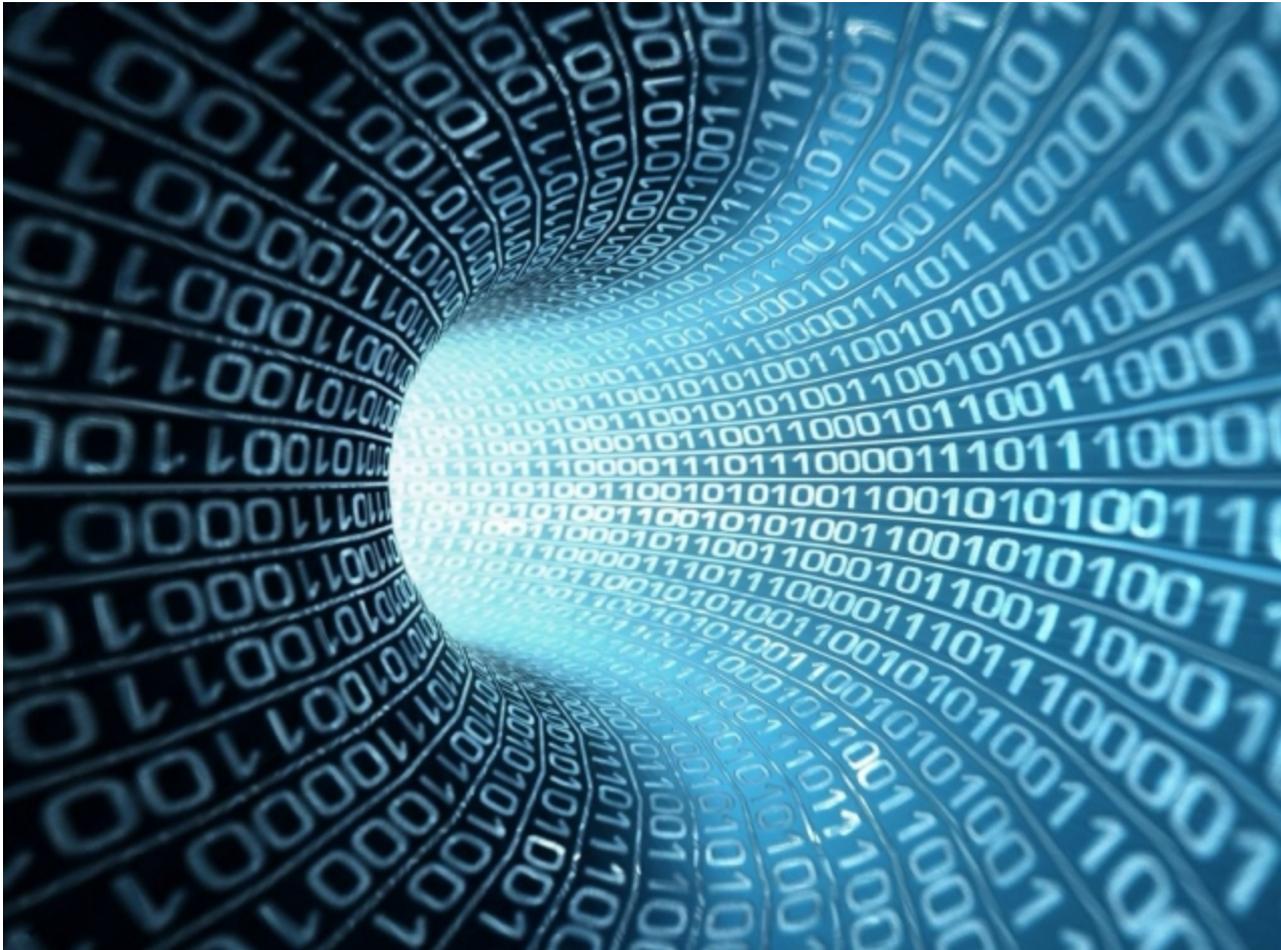


Today's Discussion Questions:

1. What 'big' data do we have in libraries?
2. Who has it and where is it?
3. How might we use it?
4. What are the challenges and issues in compiling and using it?
5. What are some possible solutions to the challenges?

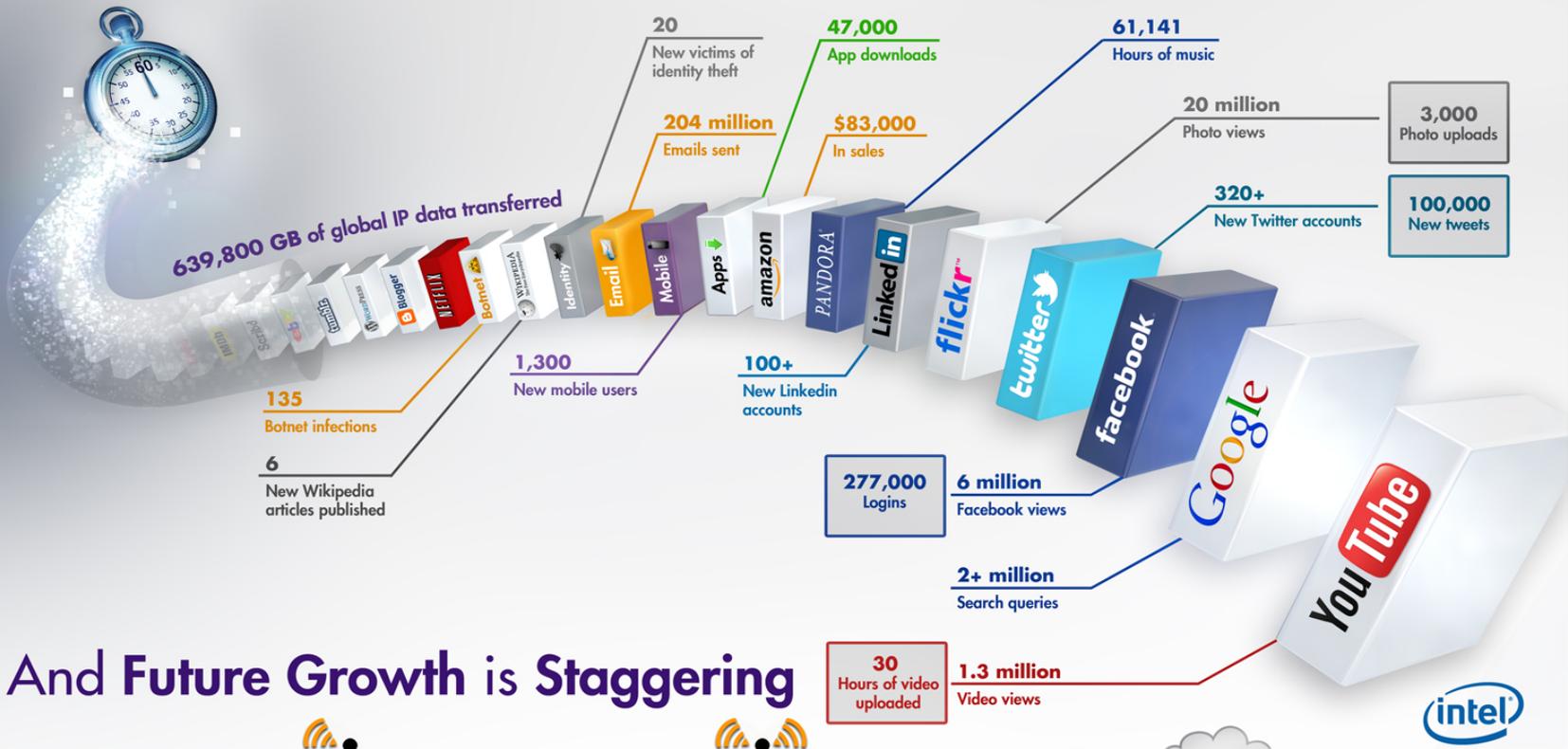


I. What is Big Data? Big Data for Libraries



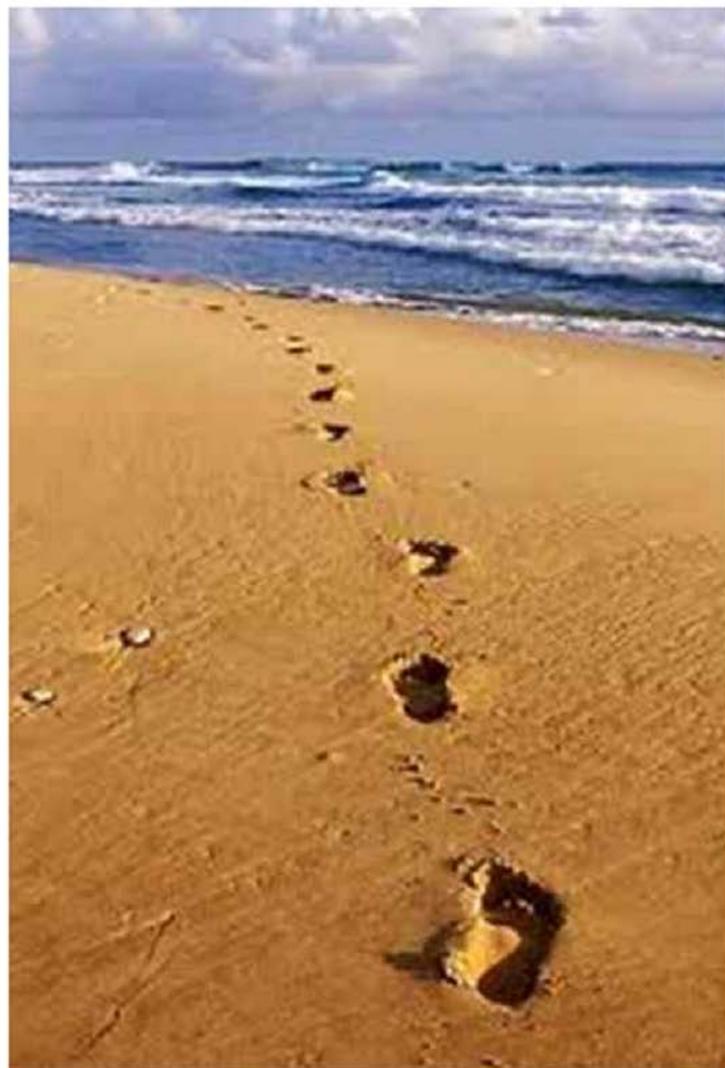


What Happens in an Internet Minute?



And Future Growth is Staggering

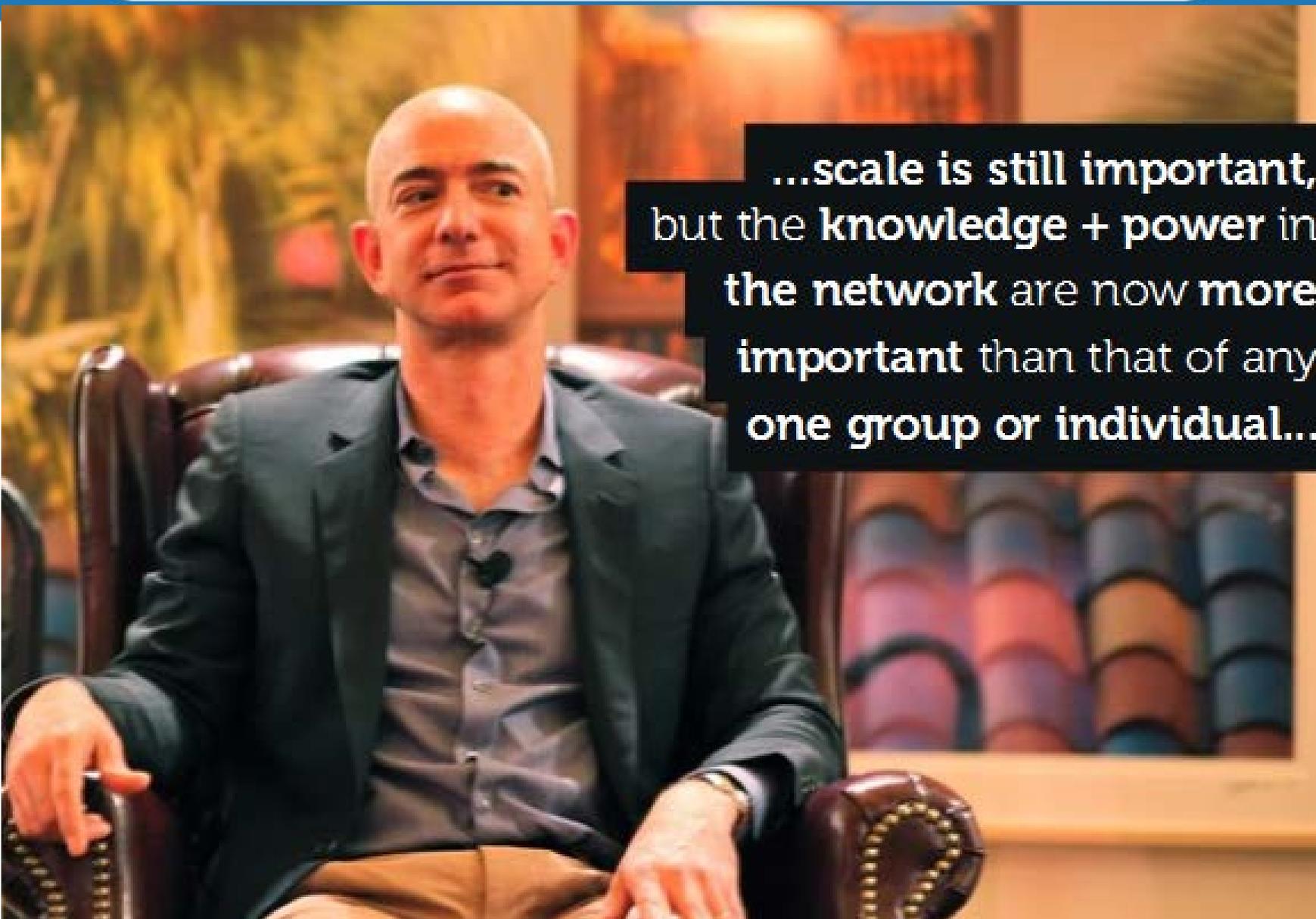




As we traverse the network we leave an invisible data trail in our wake; we leave traces everywhere. We click, navigate, and we spend both money and time. Services collect this subterranean data and use it to transform our experience. They do this by providing context and by configuring resources by patterns of relations created by shared user interests and choices.”

- Lorcan Dempsey

<http://www.educause.edu/ero/article/thirteen-ways-looking-libraries-discovery-and-catalog-scale-workflow-attention>

A photograph of Jeff Bezos, CEO of Amazon, sitting in a dark leather chair. He is wearing a dark blazer over a light-colored button-down shirt and khaki pants. The background is a blurred interior setting with warm lighting.

...scale is still important,
but the **knowledge + power** in
the network are now **more**
important than that of any
one group or individual...



Alistair Croll: "Implications and Opportunities of Big Data"

<http://player.multicastmedia.com/player.php?p=xz2atn08>

(see 3:30-3:40 and 4:36 to 6:04).





WHAT IS BIG DATA?

VOLUME VELOCITY VARIETY

Large amounts of data.

Needs to be analyzed quickly.

Different types of structured and unstructured data.

Key questions enterprises are asking about Big Data:

- How to store and protect big data?
- How to backup and restore big data?
- How to organize and catalog the data that you have backed up?
- How to keep costs low while ensuring that all the critical data is available when you need it?

WHAT ARE THE VOLUMES OF DATA THAT WE ARE SEEING TODAY?



30 billion pieces of content were added to Facebook this past month by 600 million plus users.



Zynga processes 1 petabyte of content for players every day, a volume of data that is unmatched in the social game industry.



More than 2 billion videos were watched on YouTube... yesterday.

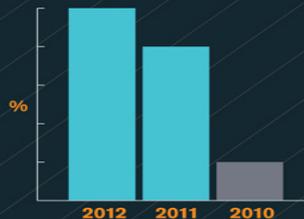


The average teenager sends 4,762 text messages per month.



32 billion searches were performed last month... on Twitter.

Everyday business and consumer life creates 2.5 quintillion bytes of data per day.



90% of the data in the world today has been created in the last two years alone.

WHAT DOES THE FUTURE LOOK LIKE?

Worldwide IP traffic will quadruple by 2015.



By 2015, nearly 3 billion people



will be online, pushing the data created and shared to nearly 8 zettabytes.

HOW IS THE MARKET FOR BIG DATA SOLUTIONS EVOLVING?

A new IDC study says the market for big technology and services will grow from \$3.2 billion in 2010 to \$16.9 billion in 2015. That's a growth of 40% CAGR.

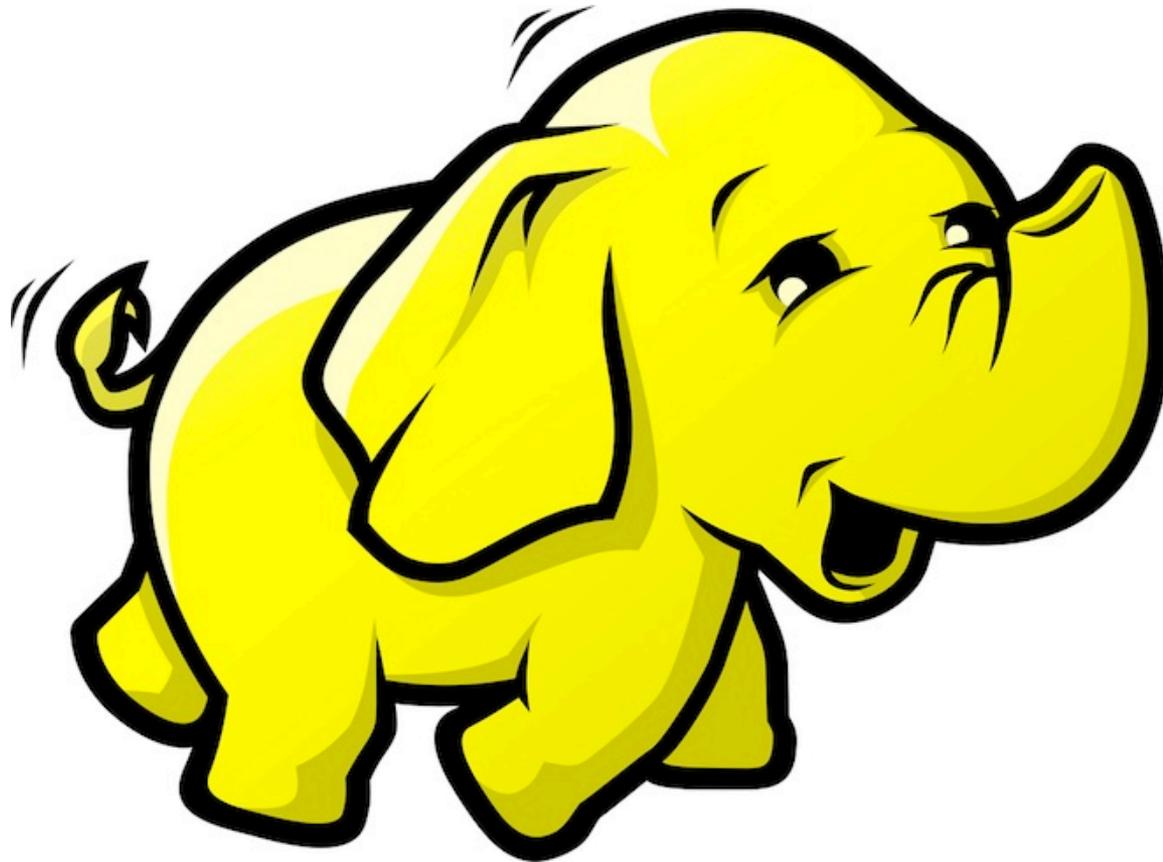


58% of respondents expect their companies to increase spending on server backup solutions and other big data-related initiatives within the next three years.





Infrastructure



<http://hadoop.apache.org/>

Big data and privacy: A history of concern...



(Photo by Pictorial Parade/Archive Photos/Getty Images)

http://www.nytimes.com/2013/03/24/technology/big-data-and-a-renewed-debate-over-privacy.html?pagewanted=all&_r=0

Google Glass



<http://www.zdnet.com/google-glass-expect-widespread-usage-bans-over-privacy-concerns-7000012400/>

Medical data, big data, and privacy

- “George C. Halvorson, chief executive of Kaiser Permanente, the large health care provider, extols the benefits of its growing database on nine million patients, tracking treatments and outcomes to improve care, especially in managing costly chronic and debilitating conditions like heart disease, diabetes and depression. New smartphone applications, he says, promise further gains — for example, a person with a history of depression whose movement patterns slowed sharply would get a check-in call.”

<http://www.nytimes.com/2013/03/24/technology/big-data-and-a-renewed-debate-over-privacy.html?pagewanted=all&r=0>

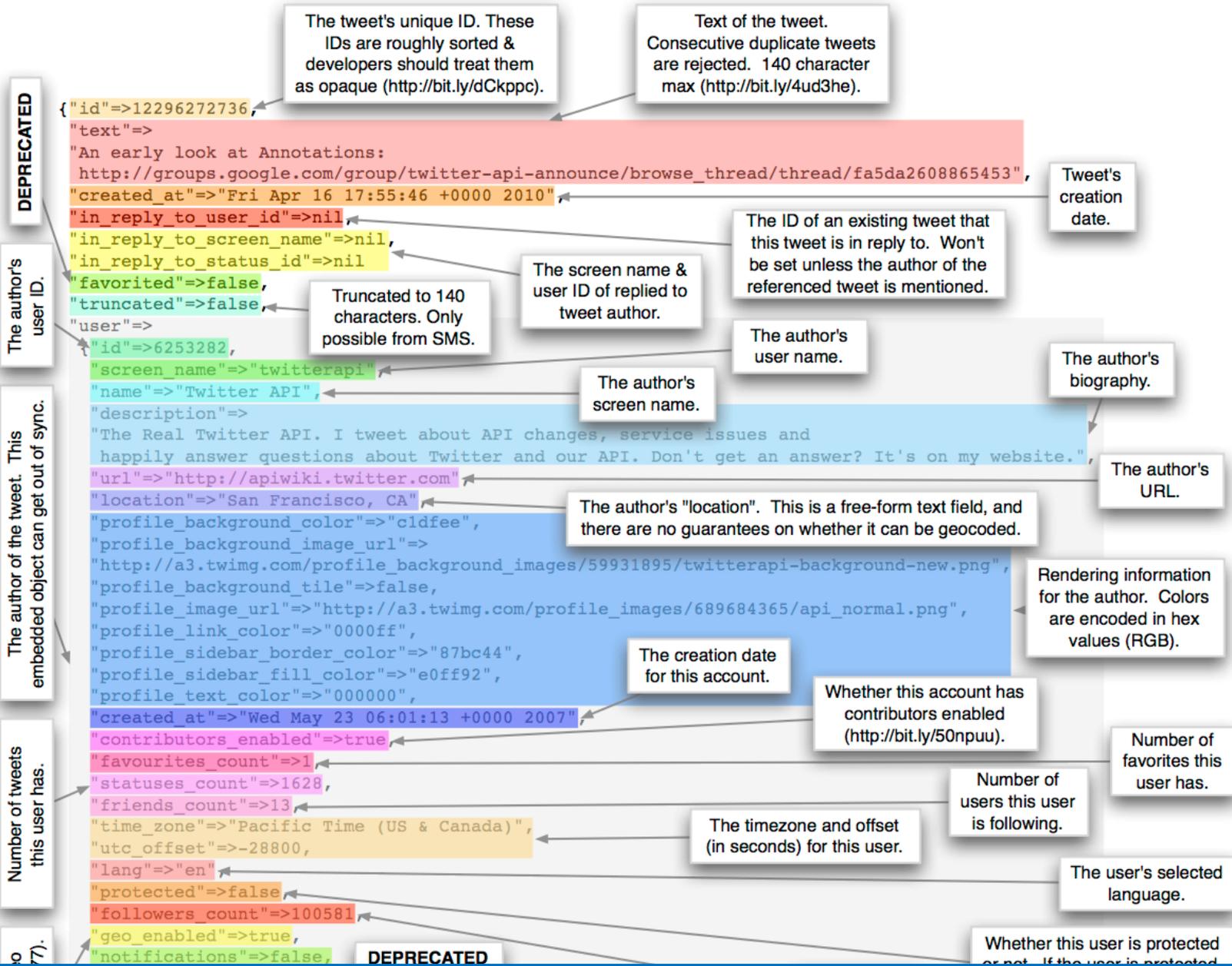
- “Hoping to improve cancer treatment regimens and patient outcomes, Mr. Bertsimas [of MIT] is studying decades of data on cancer drugs used. The data takes into account age, sex, race and other factors. He built a database to develop statistical models from earlier trials, with the goal of trying to predict how drugs extend patients’ lives. The model takes into account the toxicity of the combination of the drugs used, as well as when the drugs used have been seen in earlier trials.
 - In other research, Mr. Bertsimas is also using information from Boston police reports and prison releases to predict the likelihood of crime increases.
 - Over time, he expects to use his techniques to anticipate terrorist activity.”

http://blogs.wsj.com/cio/2013/05/22/mit-profs-mull-privacy-concerns-as-they-parse-big-data/?mod=google_news_blog

Footprints



- “Your personal digital footprint — that indelible record of your every interaction in the electronic world — is just a tiny drop in the ever increasing sea of global data.
- Your email traffic, internet search history, the geotagged images you take on your smartphone and share through social media sites, your retail purchases, loyalty program transactions, payments, road toll payments and medical records — to name but a few — are all part of the unique tread that makes up that footprint.”
- <http://www.lifehacker.com.au/2013/04/is-big-data-a-threat-to-privacy/>



Data for sale. Yes, yours.

It is possible for online retailers to:

- “buy data about your ethnicity, job history, the magazines you read, if you’ve ever declared bankruptcy or got divorced, the year you bought (or lost) your house, where you went to college, what kinds of topics you talk about online, whether you prefer certain brands of coffee, paper towels, cereal or applesauce, your political leanings, reading habits, charitable giving and the number of cars you own.”

<http://www.nytimes.com/2012/02/19/magazine/shopping-habits.html?pagewanted=all&r=0>



The ethics of big data

- Organizations that collect and store big data have a moral obligation to act responsibly
 - Institutional review boards help oversee how sensitive research data is being stored in university settings
 - Other settings, where research is not the end goal, may not be as tightly regulated
 - Can we trust for-profits when they say “*Don't be evil*”?
 - Even where there are mechanisms in place to ensure security, there’s always a risk of data being compromised
 - Anyone here shop at Schnucks?
- For-profits who hold our data have to safeguard it, but are not necessarily required to use it ethically
 - This is why I NEVER give my phone number to any organization from whom I do not need a phone call



The role of the organization

- “Mark van Rijmenam advocates four principles that organisations should adopt in order to protect consumers’ privacy:
 1. Radical transparency – inform customers about the data you collect and what you do with it. Provide a paid service if the consumer does not want to share their data in the free version;
 2. Simplicity by design – keep it simple and understandable for consumers;
 3. Secure your data – define the data you really need to do business and keep it as secure as possible;
 4. Privacy by design – make privacy part of the DNA of the organisation.”

<http://www2013.org/2013/05/03/risks-surrounding-questions-of-privacy-in-big-data/>





Discussion:

What big data do we have in libraries?

Who has it?

Privacy challenges?



II. Big User Data

	<u>u</u>	<u>vw</u>	<u>xx</u>	<u>yy</u>	<u>zz</u>
30200700000211 \	640317701212010101721	\ 00 /	95 \	11	
30200700000910 /	157312802112020202601	/ 00 \	03 /	08	
30200700001110 \	352320902112030303421	\ 30 /	95 \	06	
30200700001210 /	792427102212010101621	/ 00 \	95 /	08	
30200700001310 \	730318001112010101625	\ 00 /	95 \	07	
30200700001611 /	003317002112010101321	/ 00 \	03 /	08	
30200700001810 \	935104702112010101416	\ 09 /	95 \	06	
30200700002011 /	218208102112010101311	/ 00 \	00 /	07	
30200700003311 \	738313101212010101491	\ 00 /	95 \	06	
30200700003411 /	365104102112010101587	/ 40 \	95 /	06	
30200700003810 /	735194102112010101297	\ 20 /	95 \	08	
30200700004011 /	965344102212010101197	/ 10 \	07 /	03	

u= male/female; vv=age; w=marital status; xx=cigarettes per day; yy=days of vigorous exercise per week; zz=hours sleep per night

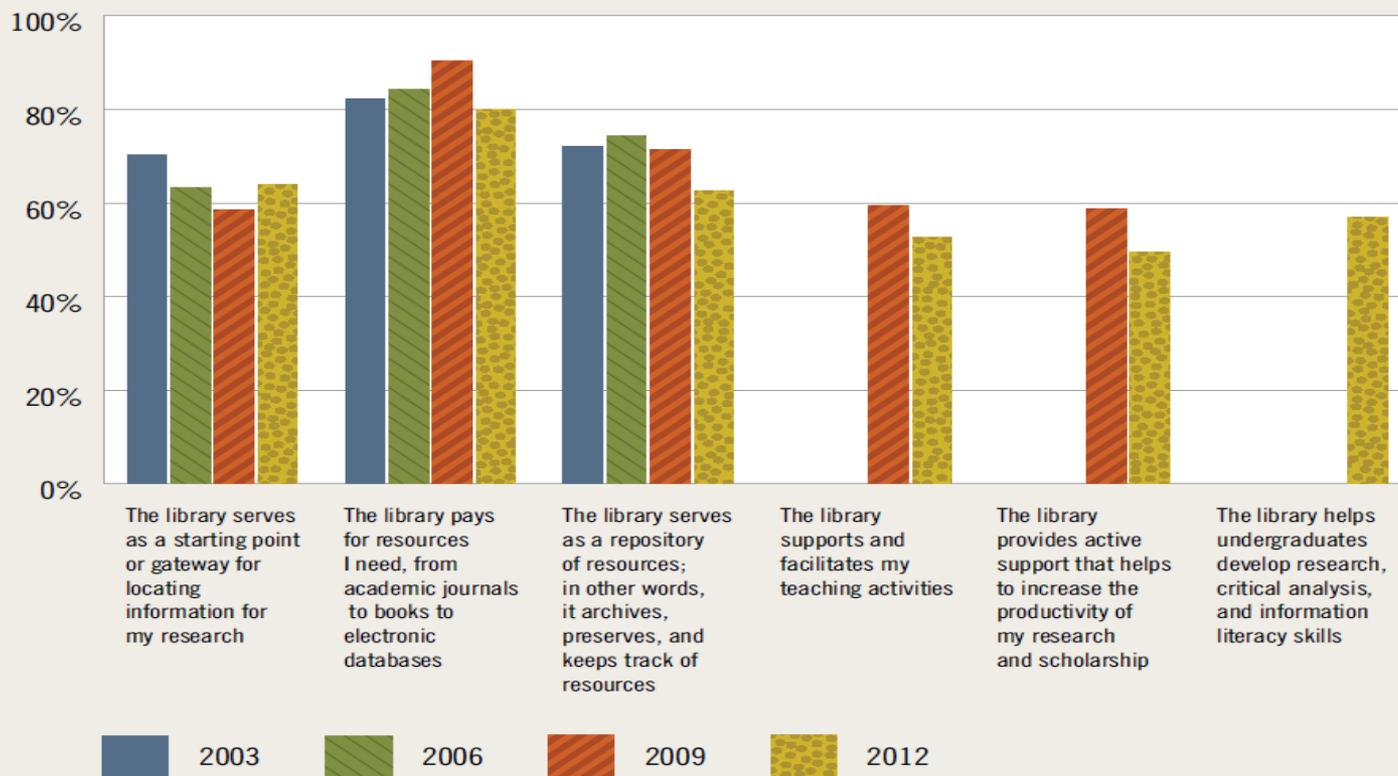
Image is snapshot of structured data from the National Health Interview Survey



Where does Discovery happen: Faculty?

FIGURE 38

“How important is it to you that your college or university library provides each of the functions below or serves in the capacity listed below?” Percent rating each as very important, over time.



Roger C. Schonfeld & Ross Housewright. Ithaka S+R. U.S. Faculty Survey 2012.
<http://www.sr.ithaka.org/research-publications/us-faculty-survey-2012>.



Where does Discovery happen: Public?

Volume

70% of adults say they are overwhelmed by the amount of information available today

Where do we begin our information search?



Search engine
2005: 82%
2010: 84%



Wikipedia
2005: NA
2010: 3%



Library Web site
2005: 1%
2010: 0%

W/INTERNET

Library Web site use



2005: 31%



2010: 33%

OCLC *Perceptions of Libraries, 2010: Context and Community.*
<http://www.oclc.org/reports/2010perceptions.en.html>
PEW Research Center Internet and American Life Project:
<http://www.pewinternet.org/>



Where does Discovery happen: Students?

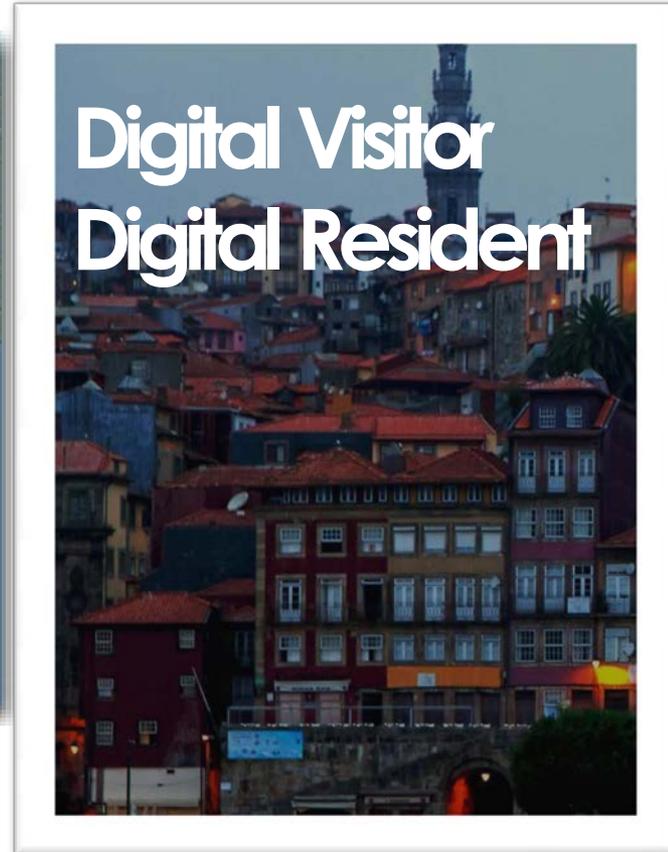
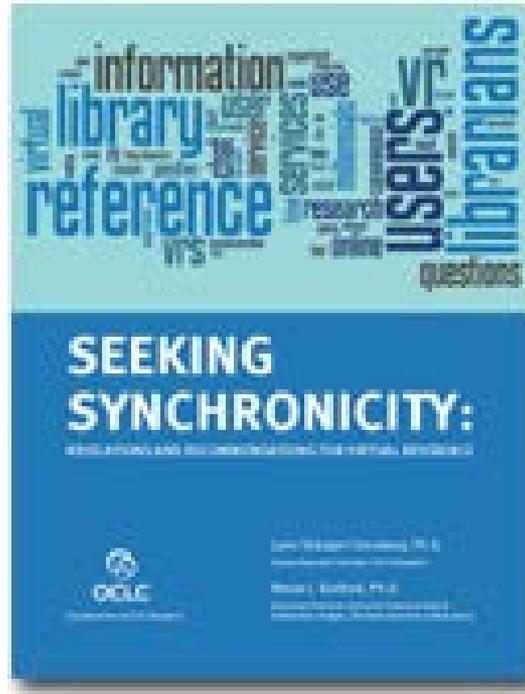
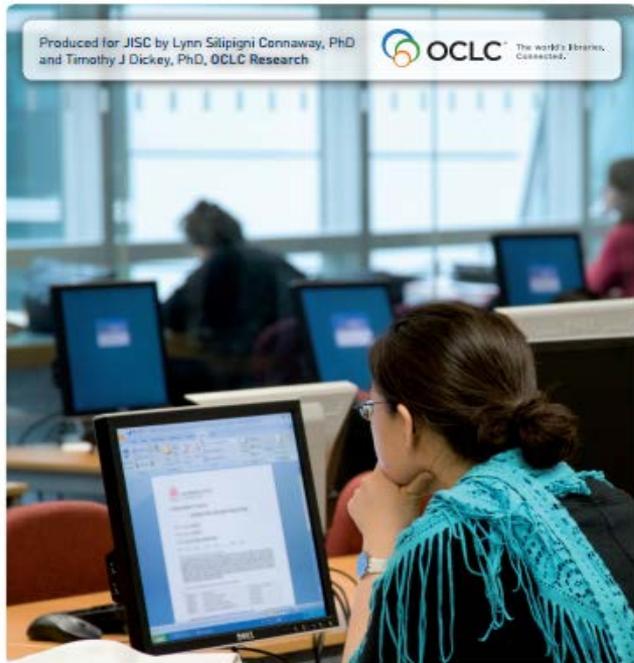
Illinois ERIAL Project: <http://www.erialproject.org>

Project Information Literacy: <http://projectinfolit.org>

- 88% of college students start research with Google (3x anything else) / 80% of students report overwhelming difficulty in framing topic/question
- Over reliance on simple keyword search/single box experience (85%)
- Don't know conceptually how to search (NO student knew how Google works: algorithmic illiteracy) / Use safe topics
- Familiarity – but they do get to library resources / Familiarity, to manage multitude
- Do little evaluation
- Trust bias: believe if they can't find on Google, they don't change search terms, just think topic is obscure // Want to learn, but seek "satisfice"
- 87% turn to family/friends for help; 50% to teacher; 14% to librarian



Visitors and Residents



• **Lynn Silipigni Connaway.** Visitors and Residents: What Motivates Engagement with the Digital Information Environment? University of Sheffield iSchool, 20 February 2013, England (UK) <http://www.slideshare.net/oclr/visitors-and-residents-what-motivates-engagement-with-the-digital-information-environment-16784063>; and <http://www.oclc.org/research/activities/vandr.html>.



Learning Black Market



•David White. Learning Black Market (includes GWR). <http://tallblog.conted.ox.ac.uk/index.php/2011/09/>



G W R

Google

Wikipedia

References

<http://tallblog.conted.ox.ac.uk/index.php/2011/09/>

Big Use and User Data

- Circulation
- Online resource use
 - Click throughs
 - Downloads
 - Browser
 - Etc.
- ILL
 - Lending
 - Borrowing
- Searching
 - Indexes used
 - Transactions
- Services
 - Reference transactions
 - Instruction sessions
 - Tours
- Gate counts
- User demographics, etc.

i56151093

File Edit View Go Tools Window Help

Insert Save View

b30205578

BCODE3 -

AUTHOR Bradbury, Malcolm, 1932-2000.
 TITLE Dangerous pilgrimages : transatlantic mythologies and the novel / Mal
 IMPRINT New York : Viking, 1996.
 OCLC # 34191373
 LOC ceib, sjib

Summary Record i56151093 0 Item-Level Holds 0 Bib-Level Holds

i56151093 Last Updated: 01-03-2011 Created: 09-30-1996 Revisions

COPY #	1	INVDA	- -
ICODE1	0	IN LOC	111
ICODE2	- NOT SUPPRESSED	# RENEWALS	0
I TYPE	0 Monograf	# OVERDUE	0
PRICE	\$0.00	ODUE DATE	- -
OUT DATE	- - :	IUSE3	0
OUT LOC	111	RECAL DATE	- -
DUE DATE	- -	TOT CHKOUT	7
PATRON#	0	TOT RENEW	2
LPATRON	0	LOUTDATE	02-12-2009 09:10PM
LCHKIN	03-30-2009 08:26AM	AGENCY	10 MU Libraries

c 050 PS159.E85|bB73 1996
 b 010-503148649

i56151093 Not checked out Edit Mode (INS)

Circulation data in ILS

- Year to date circulations
- Last year circulations
- Total circulations
- Number renewals
- Inhouse use
- Last out date
- Last checkin
- Out location
- In location

E-Resources - All Documents - Windows Internet Explorer

https://sharepoint.missouri.edu/sites/mulibraries/coldev/Usage%20Statistics/Forms/AllItems.aspx?Ro

File Edit View Favorites Tools Help

MU Libraries LibX Keyword Search MERLIN Catalog Clear Scholar

E-Resources - All Docum... x ILliad Reports

Library Tools

Site Actions Browse Documents Library Dykas, Felicity A.

New Document Upload Document New Folder

Edit Document Open & Check Out View Properties Manage E-mail a Link Alert Me Download a Copy Workflows Publish I Like It Tags & Notes

Libraries

- Shared Documents
- Current Data
- Approval, Firm Order and Demand Driven Acquisitions
- Budget Projections and Reports
- Continuing Orders and Serials Lists
- Desiderata Lists
- Minutes
- Procedures, Policies, Passwords, and Forms
- Projects
- UM Consortial Databases
- Subcommittee on New Journal Titles

Collection Analysis

Usage Statistics and Data

Collection Analysis

Type	Name	Title	
Folder	1Cate - TDnet		
Folder	360		
Folder	Archives - E-Resources		1/4/2013 2:32 PM
Folder	eBrary		1/4/2013 2:43 PM
Folder	Sage	Wiley	3/14/2013 1:08 PM
Folder	Wiley	Wiley	3/14/2013 1:12 PM
Document	Ejournal-cost-and-usage-data-2010-2012		5/6/2013 2:50 PM
Document	Eresource Usage Statistics FY11	Eresource Usage Statistics FY11	1/8/2013 9:25 AM
Document	ScholarlyStats 2011 Journal Report	ScholarlyStats 2011 Journal Report	1/7/2013 8:52 AM
Document	summonhistory FY2012	Summon Search Box history - 2011-05 through 2012-04	1/8/2013 9:25 AM

+ Add document

Internet 100%

Examples of use data

360 - All Documents - Windows Internet Explorer

https://sharepoint.missouri.edu/sites/mulibraries/colldev/Usage%20Statistics/Forms/AllItems.aspx?Ro

File Edit View Favorites Tools Help

MU Libraries LibX Keyword Search MERLIN Catalog Clear Scholar

360 - All Documents x ILliad Reports

Library Tools

Site Actions Browse Documents Library Dykas, Felicity A.

New Document Upload Document New Folder Edit Document View Properties Edit Properties E-mail a Link Alert Me Download a Copy Workflows Publish I Like It Tags & Notes

Open & Check Out Manage Share & Track Copies Workflows Tags and Notes

Libraries

- Shared Documents
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- Procedures, Policies, Passwords, and Forms
- Projects
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- Subcommittee on New Journal Titles

Collection Analysis

Usage Statistics and Data

Collection Analysis

Type	Name	Title	Description	Author	Modified
	360 Click-Through_Statistics_by_Title_and_ISSN__Journal_Tit				
		title 2012			ytd

+ Add document

Example of use data

Done Internet 100%

360 Click-Through_Statistics_by_Title_and_ISSN_Journal_Title_2012.xlsx - Windows Internet Explorer

https://sharepoint.missouri.edu/sites/mulibraries/colldev/_layouts/xlviewer.aspx?id=/sites/mulibraries

File Edit View Favorites Tools Help

MU Libraries LibX Keyword Search MERLIN Catalog Clear Scholar

360 Click-Through_Statist... x ILLiad Reports

Collection Development > ... 360 > 360 Click-Through_Statistics_by_Title_and_ISSN Dykas, Felicity A.

Microsoft Excel Web App

File Open in Excel Edit in Browser Data Find

	A	B	C	D	E	F	G	H	I	J	K
1			Hits								
2		Year:	2012	Grand total:							
3	Journal:	ISSN:									
4	19th century music	0148-2076	6	6							
5	2.5G-3G	1540-0719	2	2							
6	20th century British history	0955-2359	5	5							
7	21st century fuels	1075-038X	3	3							
8	291	1054-7193	1	1							
9	33 metal producing	0149-1210	1	1							
10	3C on-line	1078-2192	1	1							
11	580 split	1523-4762	2	2							
12	A journal of church and state	0021-969X	28	28							
13	A.A.V. newsletter	2154-6312	1	1							
14	A.M.A. archives of dermatology	0096-5359	1	1							
15	A.M.A. archives of general psychiatry	0375-8532	2	2							
16	A.M.A. archives of neurology & psychi	0096-6886	1	1							
17	A.M.A. archives of ophthalmology	0096-6339	2	2							
18	A.M.A. archives of otolaryngology	0096-6894	2	2							
19	A.U.M.L.A.	0001-2793	4	4							
20	AACE International transactions	1528-7106	2	2							
21	AACN advanced critical care	1559-7768	67	67							
22	AACN clinical issues	1079-0713	96	96							
23	AALL spectrum	1089-8689	13	13							
24	AANA journal	0094-6354	23	23							
25	AAOHN journal	0891-0162	73	73							
26	AAOS now	1935-6765	8	8							
27	AAP grand rounds	1099-6605	39	39							
28	AAP news		5	5							

Click-Through Statistics by Tit

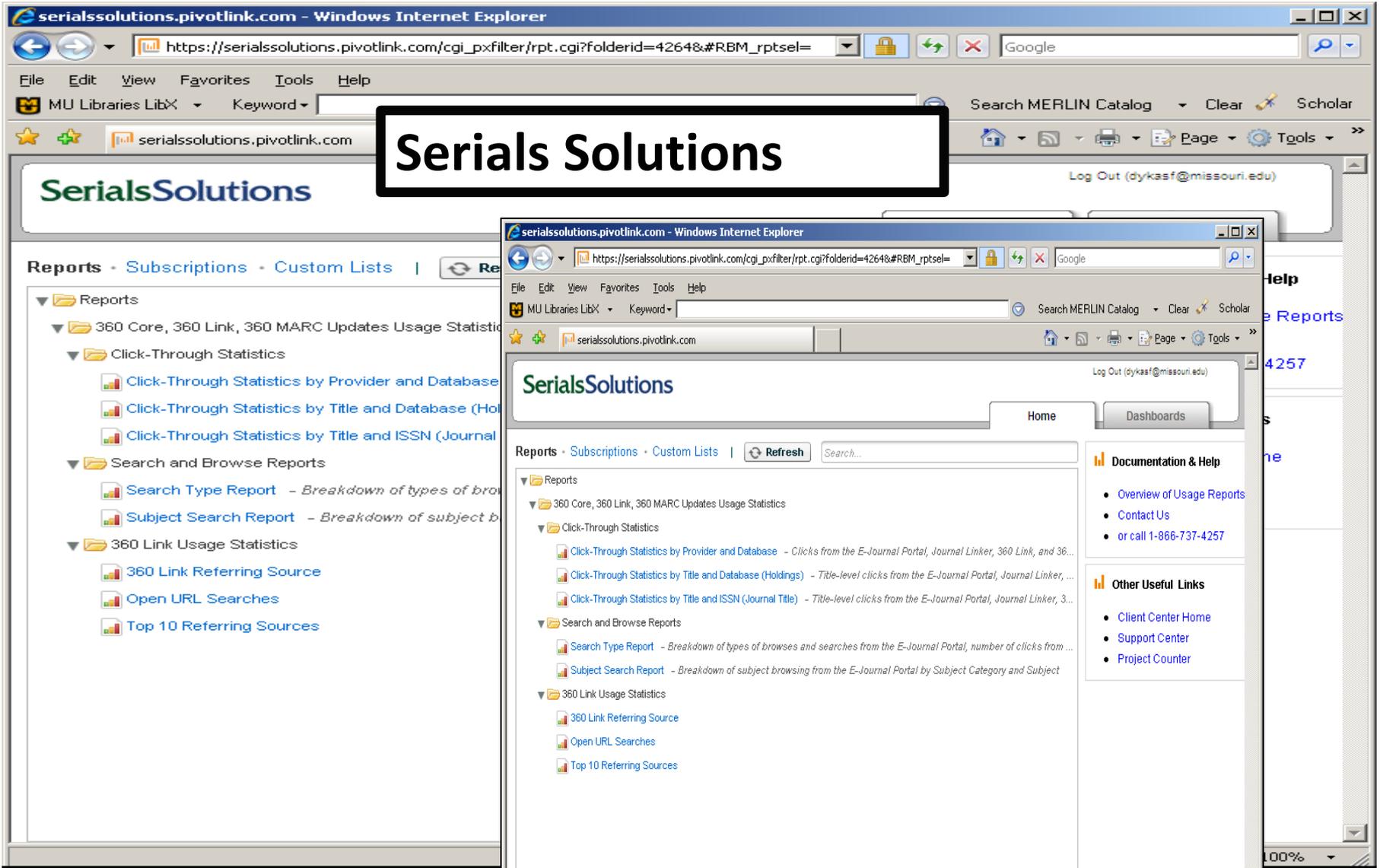
Done Internet 100%

Example of use data

	B	C	E	G	H	I	J	K	L	M	N	O
	Publisher	Platform	Collection Platform	Report Measure	Journal Title	Print ISSN	Online ISSN	Jan-12	Feb-12	Mar-12	Apr-12	May-
84	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Personality And Social Psych	0146-1672	1552-7433	0	0	0	0	
85	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Personality And Social Psych	0146-1672	1552-7433	56	71	71	121	
86	Sage Publications	HighWire Press	SAGE Publications	Full-Text Reque	Personality And Social Psych	1088-8683	1532-7957	24	15	34	22	
87	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Personality And Social Psych	1088-8683	1532-7957	0	0	0	0	
88	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Personality And Social Psych	1088-8683	1532-7957	24	15	34	22	
89	Sage Publications	HighWire Press	SAGE Publications	Full-Text Reque	Perspectives In Public Health	1757-9139	1757-9147	12	5	6	22	
90	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Perspectives In Public Health	1757-9139	1757-9147	0	0	0	0	
91	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Perspectives In Public Health	1757-9139	1757-9147	12	5	6	22	
92	Sage Publications	HighWire Press	SAGE Publications	Full-Text Reque	Perspectives In Vascular Surg	1531-0035	no data	0	5	1	1	
93	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Perspectives In Vascular Surg	1531-0035	no data	0	0	0	0	
94	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Perspectives In Vascular Surg	1531-0035	no data	0	5	1	1	
95	Sage Publications	HighWire Press	SAGE Publications	Full-Text Reque	Perspectives On Psychologica	1745-6916	1745-6924	17	12	44	23	
96	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Perspectives On Psychologica	1745-6916	1745-6924	0	0	0	0	
97	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Perspectives On Psychologica							
98	no data	HighWire Press	HighWire Press	Full-Text Reque	Petroleum Geoscience							
99	Geological Society Of Lond	HighWire Press	HighWire Press	Full-Text Reque	Petroleum Geoscience							
00	American Society For Pharm	HighWire Press	HighWire Press	Full-Text Reque	Pharmacological Reviews							
01	Oxford Journals	HighWire Press	Oxford Journals Online	Full-Text Reque	Philosophia Mathematica							
02	Duke University Press	HighWire Press	HighWire Press	Full-Text Reque	Philosophical Review							
03	Royal Society	HighWire Press	HighWire Press	Full-Text Reque	Philosophical Transactions O							
04	Royal Society	HighWire Press	HighWire Press	Full-Text Reque	Philosophical Transactions O							
05	Royal Society	HighWire Press	HighWire Press	Full-Text Reque	Philosophical Transactions O							
06	Royal Society	HighWire Press	HighWire Press	Full-Text Reque	Philosophical Transactions O							
07	Sage Publications	HighWire Press	SAGE Publications	Full-Text Reque	Philosophy & Social Criticis							
08	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Philosophy & Social Cr							
09	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Philosophy & Social Cr							
10	Sage Publications	HighWire Press	SAGE Publications	Full-Text Reque	Philosophy Of The Social Sc							
11	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Philosophy Of The Social Sc							
12	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Philosophy Of The Social Sc							
13	American Physical Therapy	HighWire Press	HighWire Press	Full-Text Reque	Physical Therapy							
14	American Physiological Soc	HighWire Press	HighWire Press	Full-Text Reque	Physiological Genomics							
15	American Physiological Soc	HighWire Press	HighWire Press	Full-Text Reque	Physiological Genomics							
16	American Physiological Soc	HighWire Press	HighWire Press	Full-Text Reque	Physiological Reviews							
17	American Physiological Soc	HighWire Press	HighWire Press	Full-Text Reque	Physiology							
18	Sage Publications	HighWire Press	SAGE Publications	Full-Text Reque	Planning Theory							
19	Sage Publications	HighWire Press	HighWire Press	Full-Text Reque	Planning Theory							

E-journal usage

- Publisher
- Collection
- Journal title
- ISSN
- Uses by month



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Reports - Subscriptions - Custom Lists | Refresh

Reports

- 360 Core, 360 Link, 360 MARC Updates Usage Statistics
- Click-Through Statistics
 - Click-Through Statistics by Provider and Database
 - Click-Through Statistics by Title and Database (Holdings)
 - Click-Through Statistics by Title and ISSN (Journal Title)
- Search and Browse Reports
 - Search Type Report - Breakdown of types of browses and searches from the E-Journal Portal, number of clicks from...
 - Subject Search Report - Breakdown of subject browsing from the E-Journal Portal by Subject Category and Subject
- 360 Link Usage Statistics
 - 360 Link Referring Source
 - Open URL Searches
 - Top 10 Referring Sources

serialssolutions.pivotlink.com - Windows Internet Explorer

https://serialssolutions.pivotlink.com/cgi_pxfilter/rpt.cgi?folderid=42648#RBM_rptsel=

File Edit View Favorites Tools Help

MU Libraries LibX Keyword Search MERLIN Catalog Clear Scholar

serialssolutions.pivotlink.com

SerialsSolutions

Home Dashboards

Reports - Subscriptions - Custom Lists | Refresh Search...

- Reports
 - 360 Core, 360 Link, 360 MARC Updates Usage Statistics
 - Click-Through Statistics
 - Click-Through Statistics by Provider and Database - Clicks from the E-Journal Portal, Journal Linker, 360 Link, and 360...
 - Click-Through Statistics by Title and Database (Holdings) - Title-level clicks from the E-Journal Portal, Journal Linker, ...
 - Click-Through Statistics by Title and ISSN (Journal Title) - Title-level clicks from the E-Journal Portal, Journal Linker, 3...
 - Search and Browse Reports
 - Search Type Report - Breakdown of types of browses and searches from the E-Journal Portal, number of clicks from ...
 - Subject Search Report - Breakdown of subject browsing from the E-Journal Portal by Subject Category and Subject
 - 360 Link Usage Statistics
 - 360 Link Referring Source
 - Open URL Searches
 - Top 10 Referring Sources

Documentation & Help

- Overview of Usage Reports
- Contact Us
- or call 1-866-737-4257

Other Useful Links

- Client Center Home
- Support Center
- Project Counter

100%

serialssolutions.pivotlink.com - Windows Internet Explorer

https://serialssolutions.pivotlink.com/cgi_pxfilter/rpt.cgi?first=1&uniqueid=16051bf7-ac1d

File Edit View Favorites Tools Help

MU Libraries LibX Keyword Search MERLIN Catalog Clear Scholar

serialssolutions.pivotlink.com

Serialsolutions Log Out (dykasf@missouri.edu)

Home Dashboards

Reports > 360 Core, 360 Link, 360 MARC Updates Usage Statistics > Search and Browse Reports

Change View

Search Type Report
 Month (remove): Mar 2013 to Jun 2013

SearchGroups	Year	Searches	
		2013	Grand total:
Total Browse Searches	Browse by Alphabet	7,343	7,343
	Browse by Subject	1,165	1,165
	Total Browse Searches total	8,508	8,508
Total Titles Searches	Title Begins With	26,702	26,702
	Title Contains	1,374	1,374
	Title Equals	647	647
	Total Titles Searches total:	28,723	28,723
Other Searches	ISSN Equals	1,879	1,879
	MARC	5,790	5,790
	OpenURL	212,176	212,176
	Other Searches total:	219,845	219,845
Grand total:		257,076	257,076

Done

Serials Solutions: Search type report

- Browse by alphabet
- Browse by subject
- Title begins With
- Title contains
- Title equals
- ISSN equals
- MARC
- Open URL

serialsolutions.pivotlink.com - Windows Internet Explorer

https://serialsolutions.pivotlink.com/cgi_pxfilter/rpt.cgi?first=1&uniqueid=ebe5e7a115fbc

File Edit View Favorites Tools Help

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Serialsolutions

Reports > 360 Core, 360 Link, 360 MARC Updates Usage Statistics > 360 Link Usage Statistics >

Change View

360 Link Referring Source

Date (remove): 06/03/2012 to 06/02/2013

Referring Source ID	Num of Requests	%Total(Num of Requests)
pubmed:	94	0.0%
qix.sagepub.com	4	0.0%
qjmed.oxfordjournals.org	11	0.0%
qualitysafety.bmj.com	2	0.0%
quod.lib.umich.edu:bas	17	0.0%
quod.umdl.umich.edu	4	0.0%
radiographics.rsna.org	2	0.0%
radiology.rsna.org	1	0.0%
refworks.com: Cornell University	1	0.0%
repository.ir-uvt.nl	4	0.0%
rer.sagepub.com	4	0.0%
researchblogging.org	1	0.0%
researchgate.net:researchgate	45	0.0%
rfs.oxfordjournals.org	1	0.0%
rheumatology.oxfordjournals.org	3	0.0%
ring.geoscienceworld.org	2	0.0%
rnajournal.cshlp.org	5	0.0%
roa.sagepub.com	1	0.0%
rsbl.royalsocietypublishing.org	2	0.0%
rsoslink	10	0.0%

Serials Solutions: 360 Link referring source

- Referring Source ID
- Number of request
- % Total (Number of requests)

serialsolutions.pivotlink.com - Windows Internet Explorer

https://serialsolutions.pivotlink.com/cgi_pxfilter/rpt.cgi?first=1&uniqueid=c76a90868d02

File Edit View Favorites Tools Help

MU Libraries LibX Keyword Search MERLIN Catalog Clear Scholar

serialsolutions.pivotlink.com

Log Out (dykasf@missouri.edu)

Serialsolutions

Home

Reports > 360 Core, 360 Link, 360 MARC Updates Usage Statistics > 360 Link Usage Statistics >

Change View

Top 10 Referring Sources

Date (remove): 01/01/2012 to 06/03/2013 Num of Requests (remove): IS AMONG TOP 10

Referring Source ID	Num of Requests	%Total(Num of Requests)
summon.serialsolutions.com	180,606	29.8%
sersol:RefinerQuery	131,755	21.8%
Mizzou	104,326	17.2%
google	76,119	12.6%
Elsevier:Scopus	75,537	12.5%
EBSCO:PsycINFO	8,661	1.4%
EBSCO:CINAHL	8,598	1.4%
wiley.com:OnlineLibrary	7,838	1.3%
EBSCO:Academic Search Complete	6,077	1.0%
Et:Compendex	5,739	0.9%
Grand total:	605,256	-

Done

Serials Solutions: Top 10 referring sources

- Referring source ID
- Number of requests
- % total

serialsolutions.pivotlink.com - Windows Internet Explorer

https://serialsolutions.pivotlink.com/cgi_pxfiler/rpt.cgi?first=1&uniqueid=f00a7c5e-312d

File Edit View Favorites Tools Help

MU Libraries LibX Keyword Search MERLIN Catalog Clear Scholar

serialsolutions.pivotlink.com

Serialsolutions

Reports > 360 Core, 360 Link, 360 MARC Updates Usage Statistics > Click-Through Statistics >

Change View

Click-Through Statistics by Provider and Database

Provider (remove): ACM Digital Library Month (remove): Mar 2013 to Jun 2013 Year (remove): 2013

All > 2013

Provider	Database	Hits			Grand total:
		Mar 2013	Apr 2013	May 2013	
ACM Digital Library	ACM Digital Library	28	16	4	48
Grand total:		28	16	4	48

Internet 100%

Serials Solutions: Click-through statistics by provider and database

- Provider
- Database
- Number by month

MOSpace Home - Windows Internet Explorer

https://mospace.umsystem.edu/xmlui/ google scholar

File Edit View Favorites Tools Help

MU Libraries LibX Keyword

MOSpace Home

University of Missouri System
COLUMBIA | KANSAS CITY | ROLLA | ST. LOUIS

MOSpace

Preserving the intellectual output & resources of the University

search | browse | add to MOSpace | about | help

Search MOSpace

Go

[Advanced Search](#)

Browse

- All of MOSpace
 - [Communities & Collections](#)
 - [By Issue Date](#)
 - [Authors](#)
 - [Titles](#)
 - [Subjects](#)

MOSpace Repository

MOSpace is an online repository for scholarly work and resources created by faculty, staff and students at the University of Missouri. MOSpace makes created knowledge and research products from UM available to the wider community of researchers and students and assures preservation of these materials for the future. [\[read more\]](#)

Communities in MOSpace

Select a community to browse its collections.

- [Scholars' Mine: Missouri University of Science and Technology](#) [37908]
- [University of Missouri System](#) [784]
- [University of Missouri-Columbia](#) [16667]
- [University of Missouri-Kansas City](#) [1638]
- [University of Missouri-St. Louis](#) [66]

Search MOSpace

Done Internet 100%

Institutional repository

- Usage data
 - IP to city
 - item records accessed

File Home Insert Page Layout Formulas Data Review View Developer

Clipboard Font Alignment Number Conditional Formatting Insert Delete

Example of use data

	A	B	C	D	E	F	G	H	I	J	
1	OCLC USAGE STATISTICS										
2						33					
3		Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	
4	Online Cataloging - All WorldCat										
5	WorldCat Searches	8,058	8,710	7,620	16,619	7,501	8,261	0	0	0	
6	WorldCat Browses	791	509	661	992	773	941	0	0	0	
7	Update Existing WorldCat Records	517	407	342	3,249	139	247	0	0	0	
8	Update New WorldCat Records	195	116	173	458	410	179	0	0	0	
9	Produce Existing WorldCat Records	0	1	0	0	0	3	0	0	0	
10	Produce New WorldCat Records	1	0	0	1	1	0	0	0	0	
11	WorldCat Replaces	706	559	509	923	604	609	0	0	0	
12	WorldCat Exports	3,718	4,994	3,099	6,009	3,639	3,645	0	0	0	
13	Display Holdings	18	5	39	85	36	31	0	0	0	
14	Delete Holdings	172	45	12	13	12	124	0	0	0	
15											
16	Online Cataloging - All Authority										
17	LC Authority Searches	5,492	5,982	4,326	7,564	5,565	6,118	0	0	0	
18	LC Authority Browses	4,614	4,900	3,162	4,768	3,553	3,878	0	0	0	
19	LC Authority Adds	47	35	13	19	12	15	0	0	0	
20	LC Authority Replaces	5	14	9	8	8	8	0	0	0	

MOBIUS Report: Interlibrary Lending Statistics Among MOBIUS Institutions

Lending

- Returnables

- Intra-Cluster lending
- MOBIUS Central Catalog lending
- Traditional ILL lending with MOBIUS members
- Other ILL returnables lending
- Total returnables lending

- Non-returnables

- ILL lending with MOBIUS members
- Other ILL non-returnables lending
- Total non-returnables lending

MOBIUS Report: Interlibrary Lending Statistics Among MOBIUS Institutions

Borrowing

- Returnables

- Intra-Cluster borrowing
- MOBIUS Central Catalog borrowing
- Traditional ILL borrowing with MOBIUS members
- Other ILL returnables borrowing
- Total returnables borrowing

- Non-returnables

- ILL borrowing with MOBIUS members
- Other ILL non-returnables borrowing
- Total non-returnables borrowing

MOBIUS Report: Interlibrary Lending Statistics Among MOBIUS Institutions

Total circulation

- % MOBIUS central catalog lending of total circulation
- % total lending to MOBIUS members of total circulation
- % MOBIUS central catalog borrowing of total circulation
- % total borrowing to MOBIUS members of total circulation
- % MOBIUS lending of total interlibrary lending
- % MOBIUS borrowing of total interlibrary borrowing

ILLiad Reports - Lending

- Fill rate statistics
- Who we lend to
- Requests received by day
- Requests received by system ID
- Requests filled by day
- Requests filled and unfilled
- Most loaned journals
- Most loaned monographs
- Most unfilled journals
- Turnaround time
- Requests from lending web page
- IFM charges

ILLiad Report: Lending – Who We Lend To

- Begin Date
- End Date
- Request type
- Symbol
- Library Name
- Requests Filled
- Percent

Symbol	Library Name	Requests Filled	Percent
RAPID:GZM	Odyssey Sender	64	4.33%
MOULOG	Logan College of Chiropractic	46	3.11%
TXA	Texas A & M Libraries	78	5.28%
RAPID:UCW	Main Library	36	2.44%
RAPID:PAU	Biomedical Library	33	2.23%
AFU	UNV of Arkansas Libraries	64	4.33%
RAPID:EYW	Odyssey Sender	32	2.17%
KSULFZ	QUINTILES INC	31	2.10%
ORE	Oregon State Univ Valley Library	54	3.65%
RAPID:COF	Morgan Library	23	1.56%

Millennium: Web management reports

The screenshot shows a Microsoft Word document titled "Document1 - Microsoft Word" with the "Table Tools" ribbon active. The document content is a web management report template for Millennium, organized into four columns. Each column starts with the Millennium logo and a green downward-pointing triangle icon.

Column 1	Column 2	Column 3	Column 4
millennium ▼ USER ACCESS <input type="checkbox"/> Patron Searches <input type="checkbox"/> User Functions CIRCULATION <input type="checkbox"/> Circ Activity <input type="checkbox"/> Cross-Tab COLLECTION <input type="checkbox"/> Age of Coll <input type="checkbox"/> Coll Dev ACQUISITIONS <input type="checkbox"/> Fund Reports <input type="checkbox"/> Vendor Info INN-Reach <input type="checkbox"/> Site Activity	millennium ▼ SORT BY <input type="checkbox"/> Terminal <input type="checkbox"/> PTYPE <input type="checkbox"/> Date LIMIT BY <input type="checkbox"/> All <input type="checkbox"/> Terminal <input type="checkbox"/> PTYPE FUNCTIONS <input type="checkbox"/> All <input type="checkbox"/> Renewing Items <input type="checkbox"/> Cancel Holds <input type="checkbox"/> Freeze Holds <input type="checkbox"/> Unfreeze Holds <input type="checkbox"/> Change Hold Pickup Location <input type="checkbox"/> Cancel Bookings <input type="checkbox"/> Cancel ILL Requests <input type="checkbox"/> Modify PIN <input type="checkbox"/> Modify Personal Info <input type="checkbox"/> Reload Data	millennium ▼ <input type="checkbox"/> Search Statistics <input type="checkbox"/> Indexes Used and Search Re: <input type="checkbox"/> Terminals Used for Search <input type="checkbox"/> Clear Search History <input type="checkbox"/> View Current Searches <input type="checkbox"/> Limit Terminals Reported On <input type="checkbox"/> Reload Search History millennium ▼ REPORT <input type="checkbox"/> Age of Collection <input type="checkbox"/> Collection Development <input type="checkbox"/> Circulation Crosstab	millennium ▼ FINANCIAL STATUS <input type="checkbox"/> Active Firm Order Funds <input type="checkbox"/> ActiveGO(-1,-5) <input type="checkbox"/> Funds By Selector <input type="checkbox"/> MU APPROPRIATIONS <input type="checkbox"/> Cont (-3) Orders <input type="checkbox"/> Cont (-4) Orders <input type="checkbox"/> Cont (-7,-8) Internet Ord <input type="checkbox"/> GIFTS AND GRANTS <input type="checkbox"/> APPROVAL BOOKS <input type="checkbox"/> DEPOSIT ACCOUNTS <input type="checkbox"/> ILL/REPROGRAPHY <input type="checkbox"/> Inactive Funds <input type="checkbox"/> EBooks(-5) Orders

Page: 1 of 1 Words: 0 100%

Search Results for User Keyed Searches - Database Subjects (UMKC) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Search Results for User Keyed Searches - D... +

merlin.searchmobi.us:4442/srchinfo/srchinfo16/120/?

Google

Management Information on Public Catalog Searches

Results for User Keyed Searches - Database Subjects (UMKC)

from Sunday May 05 03:01AM, to Monday June 03 03:00AM

	Number Done	Percent Done
Retrieving 1 Record	0	0.00%
Retrieving 2 to 8 Records	390	14.33%
Retrieving 9 to 30 Records	1,718	63.14%
Searches Retrieving 31 to 99 Records	505	18.56%
Searches Retrieving 100 to 499 Records	0	0.00%
Searches Retrieving 500 to 4999 Records	0	0.00%
Searches Retrieving 5000 or More Records	0	0.00%
Total Searches Retrieving Records	2,613	96.03%
Records Retrieved/Average per Search	60,404	23
With No Retrievals	108	3.97%
Searches	2,721	100.00%

Display Actual Searches Input by User

- [Alphabetical Order](#)
- [In Order by Popularity](#)
- [Limited to Searches with No Direct Hits](#)

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Search results for user keyed searches – by the index “Database subjects (UMKC)”

- Searches retrieving [number] records

See actual searches input by user:

- Alphabetical order
- In order by popularity
- Limited to searches with no direct hits

Limited to Searches with No Direct Hits - LC Call Numbers - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Limited to Searches with No Direct Hits - LC ... +

merlin.searchmobius.org:4442/srchinfo/srchinfo98/99/?

Google

millennium

Management Information on Public Catalog Searches

Limited to Searches with No Direct Hits - LC Call Numbers

From Sunday May 05 03:01AM, to Monday June 03 03:00AM

Page 1 of 42 pages

	Terminal	TIME
t55.a1 r4	190	Wednesday May 15 02:56PM
75905404	997	Monday May 13 11:40PM
qh359 7b .i643 2012	117	Monday June 03 04:30PM
040-107912377	300	Thursday May 09 05:39PM
040-108110437	300	Tuesday May 28 09:38AM
1397-5927	300	Wednesday May 29 05:59PM
145.5 .p536 2007	160	Monday May 13 12:27PM
301.2/05	997	Monday May 13 11:38PM
4181.m382002	300	Thursday May 09 11:03AM
45	400	Thursday May 09 05:53PM

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LC call number searches limited to searches with no direct hits

Report on Search Activity

From Sunday May 05 03:01AM, to Monday June 03 03:00AM

Number of User Keyed Searches	603,159
Number of System Suggested Searches	5,260
Number of Records Retrieved	41,716,205
Number of Searches Limited	470
Number of Exported Records	1,223
Number of Displays Invoked	1,149,568

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Report on search activity

- Number of user keyed searches
- Number of system suggested searches
- Number of records retrieved
- Number of searches limited
- Number of exported records
- Number of displays invoked

Limit Search Statistics - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Limit Search Statistics

merlin.searchmobius.org:4442/srchinfo/srchinfo17/0//?

millennium

Management Information on Public Catalog Searches

Limit Search Statistics

From Sunday May 05 03:01AM, to Monday June 03 03:00AM

Number of Times Limit Used	470
Number of Records Examined	258,924
Average Records Examined per Limit	550.90
Number of Records Found	45,737
Average Records Found Per Limit	97.31
Number of Limits Finding No Records	65 13.83%

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Limit search statistics

- Number of times limited
- Number of records examined
- Average records examined per limit
- Number of records found
- Average records found per limit
- Number of limits finding no records

Indexes Used and Search Results - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Indexes Used and Search Results

merlin.searchmobius.org:4442/srchinfo/srchinfo6/0/?

Google

millennium

Management Information on Public Catalog Searches

Indexes Used and Search Results

From Sunday May 05 03:01AM, to Monday June 03 03:00AM

	Number Done	Percent Done
RECORD NOS	479,984	79.58%
Keywords	5	0.00%
Keywords	34,344	5.69%
Keywords	16,849	2.79%
Authors	10,782	1.79%
LC Call Numbers	4,469	0.74%
Subjects (LC)	3,933	0.65%
Music Numbers	203	0.03%
Local or Dewey Call Numbers	1,334	0.22%
Government Document Numbers	299	0.05%
Donors/Honorees	3	0.00%
ISBN, ISSN, Standard Numbers	7,641	1.27%
Database Names (UMKC)	292	0.05%
TITLEKEYS	1	0.00%
NLM Call Numbers	124	0.02%
Medical Subjects (MeSH)	71	0.01%
OCLC/WorldCat Numbers	6,636	1.10%
DRAFTA	102	0.02%

Millennium Cataloging · MERLIN Library Catalog

zotero

Indexes used and search results

- Record numbers
- Keywords
- Authors
- LC Call numbers
- Subjects
- Music numbers
- Etc.

Terminals Used for Search - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Terminals Used for Search

merlin.searchmobius.org:4442/srchinfo/srchinfo7/0//?

Google

millennium

Management Information on Public Catalog Searches

Terminals Used for Search

From Sunday May 05 03:01AM, to Monday June 03 03:00AM

	Number Done	Percent Done
Terminal 101	19	0.00%
Terminal 117	248	0.04%
Terminal 118	171	0.03%
Terminal 120	870	0.14%
Terminal 131	94	0.02%
Terminal 160	5,668	0.94%
Terminal 163	1	0.00%
Terminal 170	831	0.14%
Terminal 171	37	0.01%
Terminal 190	32,546	5.40%
Terminal 205	400	0.07%
Terminal 300	29,730	4.93%
Terminal 306	1	0.00%
Terminal 400	32	0.01%
Terminal 500	100	0.02%
Terminal 502	18	0.00%
Terminal 503	7,972	1.32%
Terminal 600	27	0.00%

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Terminals used for search

Search Results for User Keyed Searches - Keywords - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Search Results for User Keyed Searches - K... +

merlin.searchmobius.org:4442/srchinfo/srchinfo16/88/?

Google

millennium

Search results for user keyed searches by index

- Searches retrieving [number] records

Management Information on Public Catalog Searches

Search Results for User Keyed Searches - Keywords

From Sunday May 05 03:01AM, to Monday June 03 03:00AM

	Number Done	Percent Done
Searches Retrieving 1 Record	10,769	31.36%
Searches Retrieving 2 to 8 Records	3,783	11.02%
Searches Retrieving 9 to 30 Records	3,541	10.31%
Searches Retrieving 31 to 99 Records	3,492	10.17%
Searches Retrieving 100 to 499 Records	3,833	11.16%
Searches Retrieving 500 to 4999 Records	2,751	8.01%
Searches Retrieving 5000 or More Records	2,312	6.73%
Total Searches Retrieving Records	30,481	88.75%
Total Records Retrieved/Average per Search	29,804,498	977
Searches With No Retrievals	3,863	11.25%
Total Searches	34,344	100.00%

[Display Actual Searches Input by User](#)
[Alphabetical Order](#)
[In Order by Popularity](#)
[Limited to Searches with No Direct Hits](#)

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View Current Searches - Mozilla Firefox

File Edit View History Bookmarks Tools Help

View Current Searches

merlin.searchmobius.org:4442/srchinfo/srchinfo9/0/{?}

Google

millennium

Management Information on Public Catalog Searches

View Current Searches

As of Monday June 03 05:23PM

Page 1 of 7 pages

Search	Hits	Operation	Display	Terminal
-->b4634357	1	#	p	997
b4634357	1	u	p	997
-->b7821366	1	#	p	997
b7821366	1	u	p	997
thouise of leaves	1	u	p	190
-->b4411921	1	#	p	190
thouise of leaves	2	u	1	190
-->b2019984	1	#	p	997
b2019984	1	u	p	997
-->b8574817	1	#	p	997

This plugin
Activate Ja

zotero

View current searches

Searching data

- Also

- Google Analytics

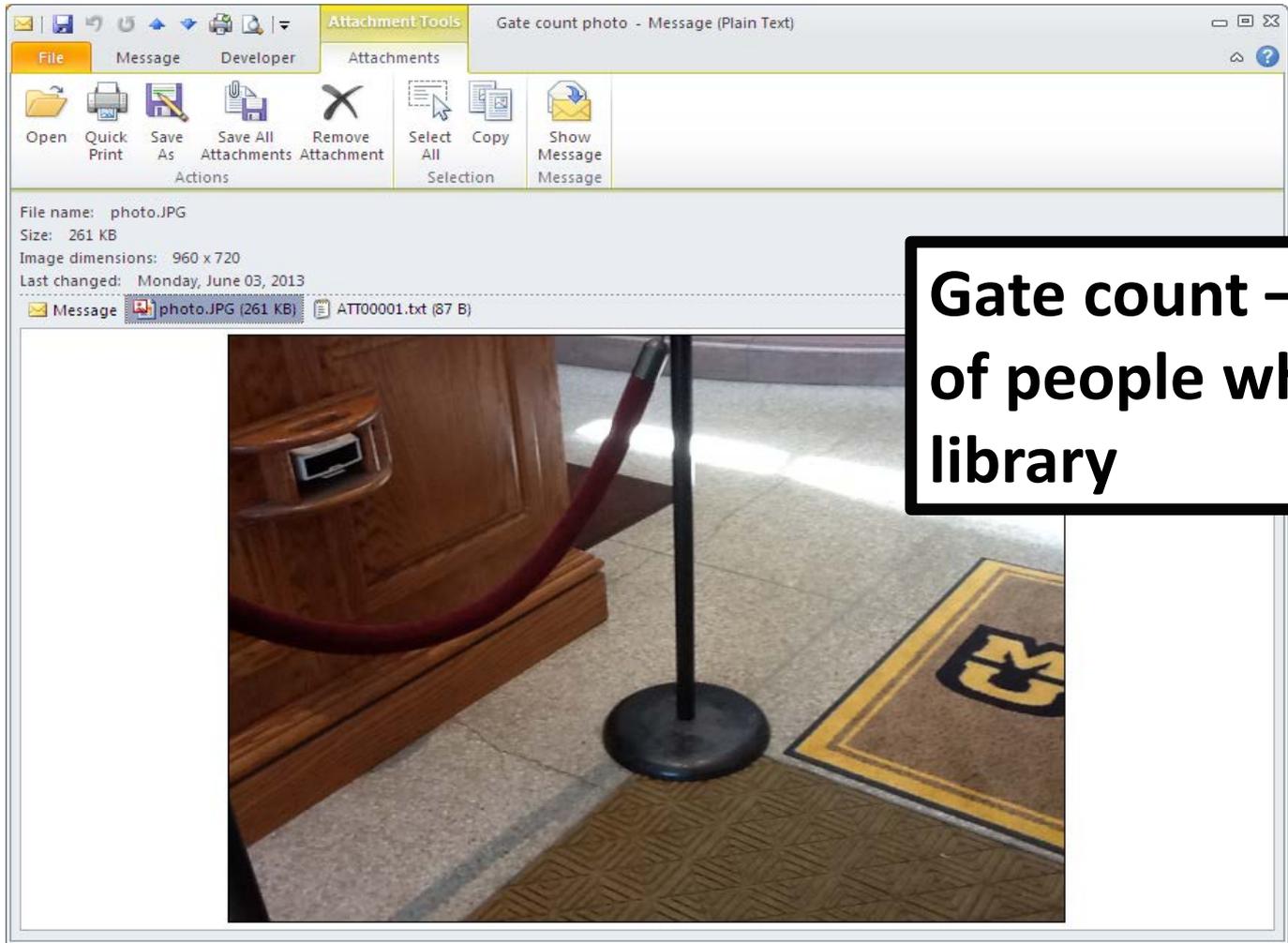
- MERLIN

- Summon

- Elsevier: requests from Google versus other places

Reference and instruction

- Reference desk transactions
 - Under ten minutes
 - Ten-twenty minutes
 - Over twenty minutes
 - Directional
 - Technology
- Instructions sessions
 - Length of session
 - Participants



Gate count – number of people who enter library

Information about users in ILS

- Patron name
- Patron barcode
- Address
- Patron type
- Expiration date
- Current checkouts
- Blocks
- Money owed
- Items
 - Checked out
 - On hold
 - Requested

Millennium Circulation - MERLIN Library Catalog - Dorsey, Michelle

File Edit View Go Tools Admin Help

Circulation Desk

Key or Scan Item or Patron Barcode

Search

PATRN NAME Dykas, Felicity A
 P BARCODE 0010201650083
 ADDRESS MU Libraries
 52 Ellis Library
 UMC
 PCODE1 1 UM-COLUMBIA
 PCODE2 -
 PCODE3 12 MU LIBRARIES
 P TYPE 5 MU Faculty
 EXP DATE 05-30-2014
 CUR CHKOUT 3
 MBLOCK -
 CL RTRND 0
 MONEY OWED \$0.00

Check Out (0) Checked-Out Items(3) Holds(1) Check In (0)

Renew Claim Returned Mark Lost Items Change Due Date All

All	#	Barcode	Call Num	Location	Title	Due Date	Status
<input type="checkbox"/>	1	010-018242305	Y 4.F 49:T 17.66 4-0	call	Tariff act of 1929. Hearings before a subcommittee of the...	09-26-2013	
<input type="checkbox"/>	2	108150101007	Y 4.F 49:T 17.66 10-15	lcall	Tariff act of 1929. Hearings before a subcommittee of the...	09-26-2013	
<input type="checkbox"/>	3	010-018242346	Y 4.F 49:T 17.66 1-3	call	Tariff act of 1929. Hearings before a subcommittee of the...	09-26-2013	

3:54 PM
6/3/2013

Interlibrary loan users

- Data we have (for other people's patrons)
 - ILL number
 - Person's name (sometimes)
 - Email address
 - Status (we do not have that information for other school's patrons)
 - Bibliographic information
 - Date of request

Information about users – collected by campus

Enrollment information

- Number of students

Demographic information about students

- Race
- Age
- Sex
- Where from
- Etc.

Less information about faculty and staff

ARL Statistics 2011-2012

Worksheet [Users and Usage]

- Total Salaries and Wages
 - Professional staff, Support staff, Student assistants
- Fringe benefits
- Expenditures from external sources
- Personnel
 - Professional staff, Support staff, Student assistants
- Instruction
 - Number of library presentations to groups, Number of total participants
- Reference
 - Number of reference transactions
- Circulation
 - Number of initial circulations (excluding reserves)

ARL Statistics 2011-2012 Worksheet

[Users and Usage]

- Use of electronic resources
 - Number of successful full-text article requests (journals)
 - Number of regular searches (databases)
 - Number of federated searches (databases)
- Interlibrary loans
 - Total number of filled requests provided to other libraries
 - Total number of filled requests received from other libraries or providers
- Doctor's degrees and faculty
 - Number of doctor's degrees awarded in FY2011-2012
 - Number of fields in which doctor's degrees can be awarded
 - Number of full-time instructional faculty in FY2011-2012
- Enrollment – Fall 2011
 - Full-time students, undergraduate and graduate
 - Part-time students, undergraduates and graduate
 - Full-time graduate students
 - Part-time graduate students

Serials Solutions

- URL resolver
- A-to-Z list
- Summon (unified search)

http://missouri.summon.serialssolutions.com/search?s.q=big+data+in+libraries - Windows Internet Explorer

http://missouri.summon.serialssolutions.com/search?s.q=big+data+in+libraries

File Edit View Favorites Tools Help

MU Libraries LibX Keyword

http://missouri.summon.serialssolutions.com/search?s...

MU Libraries

Keep search refinements

Search Results: Your search for **big data in libraries** returned

Relevance

Refine your search

- Items with full text online
- Limit to articles from scholarly publications, including peer-review
- Exclude Newspaper Articles
- Items in the library catalog
- Add results beyond your library's collection

Content Type

- Any
- Journal Article (20,820)
- Newspaper Article (14,085)
- Book / eBook (10,013)
- Dissertation/Thesis (980)
- Book Review (632)
- Conference Proceeding (395)
- more...

Recommendation: We found one or more specialized collections that might help you.

ABI/INFORM Complete

- In-depth coverage of business issues, management techniques, competitive information, and a variety of other topics

Big data, big analytics: emerging business intelligence and analytic trends for today's businesses

by Minelli, Michael; Chambers, Michele; Dhiraj, Ambiga

Cover Image 2013, ISBN 9781118147603, xxiii, 187

Strategic planning, Data mining, Electronic data processing, Business intelligence, Information storage and retrieval systems

Book:

Big data analytics: turning big data into big money

by Ohlhorst, Frank

Cover Image 2013, ISBN 9781118239049, xiv, 160

Business intelligence, Data mining

Personalized Search Powered by Summon™

Saved Items (1)

(1 item remaining) Downloading picture http://static-cdn.summon.serialssolutions.com/image

Internet 100%

Other possibilities

- MERLIN

- Reading histories
- My lists
- Preferred searches

Not using

- Reviews and ratings

Other types of data

- Policies

- Use of computers
- Circulation
- Interlibrary load
- Food and drink
- Behavior (quiet)
- Instruction
- Reference interactions

- Hours

- Staffing

- Meeting minutes

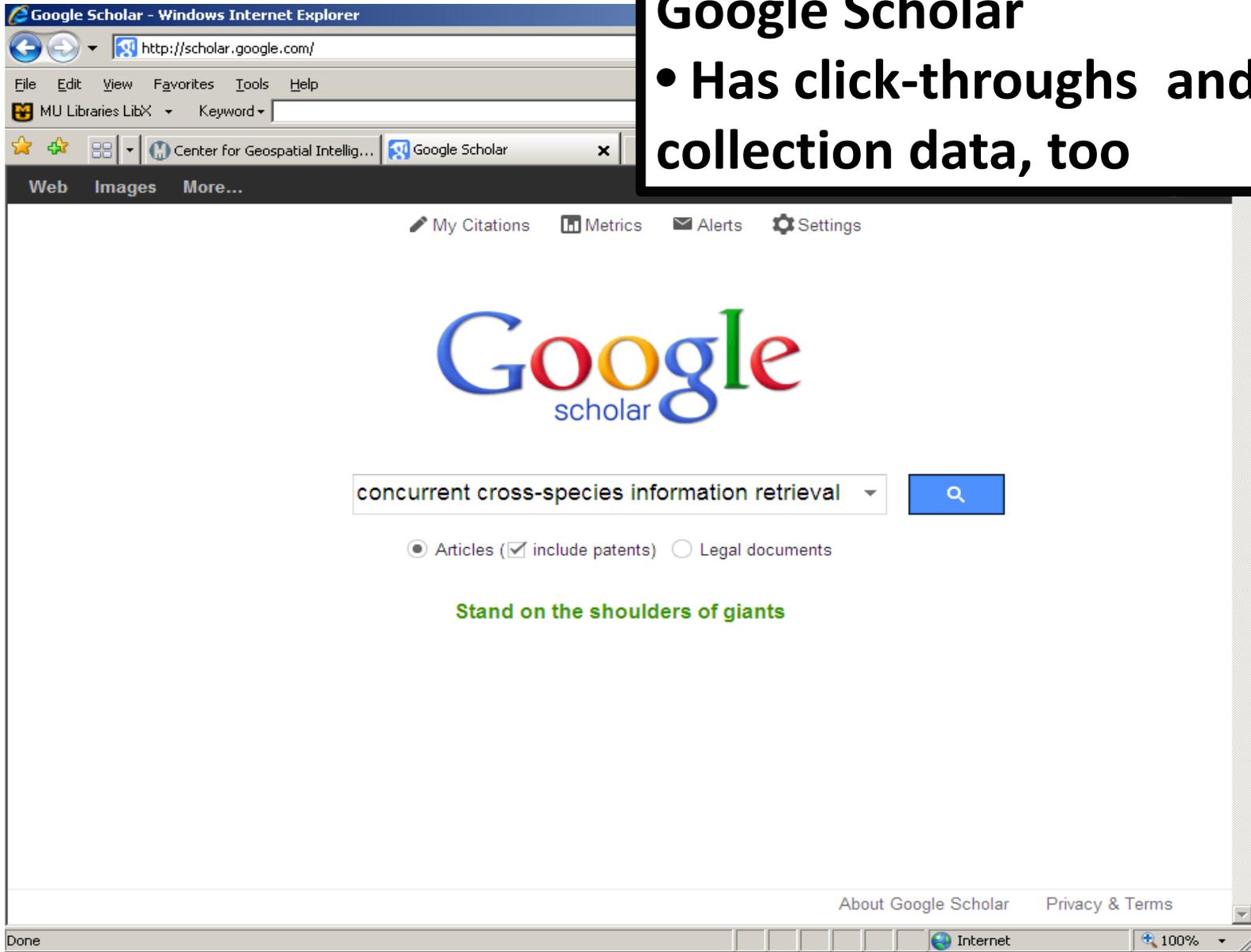
- Etc.

Who else has our data?

- Vendors
- OCLC
- MOBIUS
- ILL vendors
- Google

Google Scholar

- Has click-throughs and collection data, too



MERLIN Library Catalog / All Locations - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Search results - GWLA x MERLIN Library Catalog / All Locations x +

merlin.mobius.umssystem.edu/record=b9616246

gwa

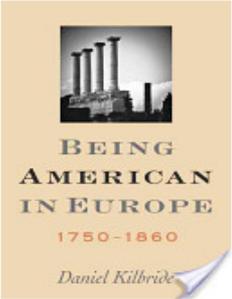
Quick Search Advanced Subjects Numbers/Other

Add to My Lists Save to Folder MARC Display Another Search Search MOBIUS

RECORD # b9616246

All MERLIN Search

New Search
My Library Account
Course Reserves
MERLIN (UM)



BEING AMERICAN IN EUROPE
1750-1860
Daniel Kilbride

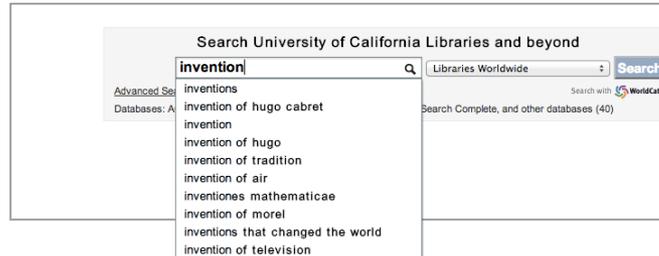
Google Preview

Author **Kilbride, Daniel, 1968-**
Title **Being American in Europe, 1750-1860 / Daniel Kilbride.**
Permanent Link <http://merlin.mobius.umssystem.edu:80/record=b9616246~S8>

Locations Find Similar Items Text Call Number Print

zotero

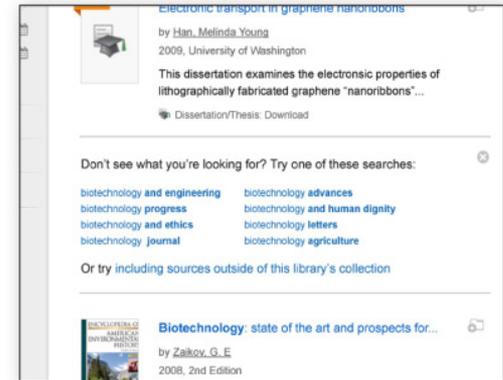
**MERLIN Catalog –
Google Book Search API**



Related Search Suggestions

Encourages exploration of related concepts

As users scroll through results, related search suggestions dynamically display encouraging users to expand their query to aid their research. Leveraging real-time, global Summon usage data, related searches offer users scholarly and multi-lingual suggestions for query expansion and refinement.



Content Spotlights

bX Usage-Based Services transform your discovery experience!

bX™ Usage-Based Services use analytics and data-mining of raw usage data to enrich and expand the researcher's discovery experience.

bX creates new insights by exposing usage patterns, associations between topics, authors and articles as well as popularity and success of library systems.

Other users liked..

bX Recommender

Watch the video!

Hot in your subject

Hot Articles

Also available on your mobile!

Popularity Reports

bX Most Popular Articles

bX Journal Popularity Report

More to come soon! [Sign up](#) to receive the news.

Data Ar

Why bX service

bX capt million materi

* across * across

bX Usa * find re * save u * expos choices * suppo based on analytics

COLLECTIONS BUILD CONNECTIONS



A far better online catalog is just the beginning



Personalize learning? Personalize research tools?

Watch 0-3:40 (or 5:40)

<http://www.youtube.com/watch?v=Z0uAuonMXrg>



Reimagining Learning: Richard Culatta at TEDxBeaconStreet



BROWSE

OR

Search

Books and Journals



Browse > Library Science and Publishing > Library and Information Science

Analyzing Demographics: Assessing Library Use Across the Institution

Shane Nackerud, Jan Fransen, Kate Peterson, Kristen Mastel

Buy This Article



From: portal: Libraries and the Academy
Volume 13, Number 2, April 2013
pp. 131-145 | 10.1353/pla.2013.0017

Abstract

Abstract:

Research Areas

Library Science and Publishing >
Library and Information Science



BROWSE

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Browse > Library Science and Publishing > Library and Information Science

Library Use and Undergraduate Student Outcomes: New Evidence for Students' Retention and Academic Success

Krista M. Soria, Jan Fransen, Shane Nackerud

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From: portal: Libraries and the Academy
Volume 13, Number 2, April 2013
pp. 147-164 | 10.1353/pla.2013.0010

Abstract

Abstract:

Academic libraries, like other university departments, are being asked to demonstrate their value to the institution. This study discusses the impact library usage has on the retention and academic success of first-time, first-year undergraduate students at a large, public research university. Usage statistics were gathered at the University of Minnesota during the Fall 2011 semester for thirteen library access points. Analysis of the data suggests first-time, first-year undergraduate students who use the library have a higher GPA for their first semester and higher retention from fall to spring than non-library users.

Research Areas

Library Science and Publishing >
Library and Information Science

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- See All Recommendations

Books



Page 1 of 17

Sports & Outdoors



Page 1 of 17

Toys & Games



Page 1 of 17

Health & Personal Care

Swiss Army Eau de Toi... ★★★★★ (44) \$19.00 - \$100.28 Why recommended?	Prosepra Massage Pen ★★★★★☆ (11) \$19.99 \$10.86 Why recommended?	Optimum Nutrition Opti-... ★★★★★☆ (677) \$39.99 \$19.15 Why recommended?	Squiggle Wiggle Writer ★★★★★☆ (2) \$12.99 Why recommended?	PENCIL WEIGHT 3 PACK ★★★★★ (7) \$10.49 Why recommended?	One Zero Point Energy... ★★★★★☆ (39) \$299.00 \$15.99 Why recommended?

Page 1 of 2

> See all recommendations in Health & Personal Care

Electronics

Samsung Galaxy Tab 2 <small>amazon.com/Swiss-Army-Eau-Toilette-Women/.../ref=pd_ys_sf_s_3760901_b5_1_p</small>	Transcend 16GB Class... ★★★★★ (143)	Lexmark high yield 100... ★★★★★☆ (143)	HP 2000-2b19wm 15.6-... ★★★★★ (3)	Edimax EW-7811Un 150... ★★★★★☆ (161)	Canon PowerShot D20 1... ★★★★★☆ (142)

Page 1 of 12

Eric's Amazon recommendations: OPTI-MEN???



Google | Policies & Principles

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Privacy Policy

[Self Regulatory Frameworks](#)

[Key terms](#)

[Archive](#)

Privacy Policy

Last modified: July 27, 2012 ([view archived versions](#))

There are many different ways you can use our services – to search for and share information, to communicate with other people or to create new content. When you share information with us, for example by creating a [Google Account](#), we can make those services even better – to show you more relevant search results and ads, to help you connect with people or to make sharing with others quicker and easier. As you use our services, we want you to be clear how we're using information and the ways in which you can protect your privacy.

Our Privacy Policy explains:

- What information we collect and why we collect it.
- How we use that information.
- The choices we offer, including how to access and update information.

We've tried to keep it as simple as possible, but if you're not familiar with terms like cookies, IP addresses, pixel tags and browsers, then read about these [key terms](#) first. Your privacy matters to Google so whether you are new to Google or a long-time user, please do take the time to get to know our practices – and if you have any questions [contact us](#).

Information we collect

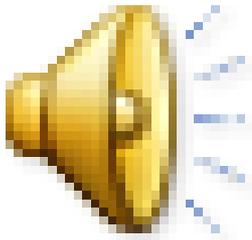
We collect information to provide better services to all of our users – from figuring out basic stuff like which language you speak, to more complex things like which ads you'll find most useful or the people who matter most to you online.

We collect information in two ways:

- **Information you give us.** For example, many of our services require you to sign up for a Google Account. When you do, we'll ask for [personal information](#) like your name, email address, telephone number or credit card. If you want to take full advantage of the



Google: Don't be evil.



Google Chairman Eric Schmidt Plays Not My Job." NPR.
<<http://http://www.npr.org/2013/05/11/182873683/google-chairman-eric-schmidt-plays-not-my-job>>.



Our histories. Data in a human context.

Watch 12:30-16:15

<http://www.youtube.com/watch?v=Q9wcvFkWpsM>



TEDxVancouver - Jer Thorp - The Weight of Data



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Big Data, Big Impact: New Possibilities for International Development



The amount of data in the world is exploding - large portion of this comes from the interactions over mobile devices being used by people in the developing world - people whose needs and habits have been poorly understood until now. Researchers and policymakers are beginning to realize the potential for channeling these torrents of data into actionable information that can be used to identify needs & provide services for the benefit of low-income populations. This discussion note is a Call to action for stakeholders for



APRIL 2, 2013 | BY RAINEY REITMAN



New California "Right to Know" Act Would Let Consumers Find Out Who Has Their Personal Data -- And Get a Copy of It

Let's face it: most of us have no idea how companies are gathering and sharing our personal data. Colossal data brokers are sucking up personal facts about Americans from sources they refuse to disclose. Digital giants like Facebook are teaming up with data brokers in unsettling new ways. Privacy policies for companies are difficult to read at best and can change in a heartbeat. And even savvy users are unlikely to fend off the snooping eyes of online trackers working to build profiles of our interests and web histories.



MIT Technology Review



BUSINESS REPORT | Big Data Gets Personal

Brought to you by SAP

Intel Fuels a Rebellion Around Your Data

The world's largest chip maker wants to see a new kind of economy bloom around personal data.

By Antonio Regalado and Jessica Leber on May 20, 2013

View full report

Intel is a \$53-billion-a-year company that enjoys a near monopoly on the computer

Microsoft Europe

Home > Digital Policy > Posts > What are [...] Big Data?

What are the policy considerations in enabling Big Data?

By: C. Kutterer, EU Inst Relations; C. Nguyen, Technology Policy; P. Haynes, US-R&D Advanced Strategies & Policy
Tags: big data, Digital inclusion, digital policy, innovation



16 April 2013



Digital Policy

- About
- Case Studies
- Futures Articles
- Positions on
- Videos
- Demos
- Resources and Programmes
- Pick a Topic
- BizSpark
- cloud computing
- data protection
- digital agenda
- economic growth, education

Unleashing the potential of a data-driven economy will require policies that enable data to flow and be exchanged freely across geopolitical boundaries, while minimizing risks and harms to enterprises and individuals globally. This is a difficult balance that requires local, national, and regional governments to agree on which data can be shared, how they can be used, who should have access, and which nations would have jurisdictions in resolving disputes.

Regulations that are too lax can expose both corporations and individuals to higher risks; regulations that restrict data collections, flow and use can hamper new innovations, services, business models, and scientific findings - ultimately harming everyone.

The policy considerations required to develop the data ecosystem include the following:

- Develop adequate knowledge of the data-driven economy for all stakeholders in the data ecosystem and support research on how big data can drive socio-economic welfare.
- Data stakeholders, including users, service providers, regulators, and researchers, must be made



Discussion:

- What data about our users and their usage can we apply to library services?
- How can we use it and respect user privacy?
- What is the 'line' of user privacy?



III. Collections and Syndication



http://commons.wikimedia.org/wiki/File:Floor_7a_bookstacks_in_Sterling_Memorial_Library.jpg



Switch?

Per Lorcan Dempsey:

Attention switch

From users attention captive to library, to scarce for library

Workflow switch

From users workflow based on library tools, to library tools based on user workflows

- **Lorcan Dempsey.** "Thirteen Ways of Looking at Libraries, Discovery, and the Catalog: Scale, Workflow, Attention (EDUCAUSE Review) | EDUCAUSE.edu." *Educause Review Online*. Educause, 10 Dec. 2012. <http://www.educause.edu/ero/article/thirteen-ways-looking-libraries-discovery-and-catalog-scale-workflow-attention>
- **Lorcan Dempsey.** Outside in and Inside Out. <http://orweblog.oclc.org/archives/002047.html>
- **Lorcan Dempsey.** The Inside Out Library: Scale, Learning, Engagement
<http://www.slideshare.net/lisld/the-inside-out-library>





The Inside Out Library

OUTSIDE IN

- resources are scarce and attention is abundant
- Local scale
- User's workflow built around library services
- Towards a centered network presence
- Locally assemble externally acquired colls
- Discovery happens in the library
- Expertise hidden
- Configure space around collections

INSIDE OUT

- resources are abundant and attention is scarce
- Network scale
- Library services are built around the user's workflow
- Towards a decentered network presence
- Engage with creation, management, use and sharing of all information resources
- Discovery happens elsewhere
- Expertise visible
- Configure space around engagement

• **Lorcan Dempsey.** "Thirteen Ways of Looking at Libraries, Discovery, and the Catalog: Scale, Workflow, Attention (EDUCAUSE Review) | EDUCAUSE.edu." *Educause Review Online*. Educause, 10 Dec. 2012. <http://www.educause.edu/ero/article/thirteen-ways-looking-libraries-discovery-and-catalog-scale-workflow-attention>

• **Lorcan Dempsey.** Outside in and Inside Out. <http://orweblog.oclc.org/archives/002047.html>

• **Lorcan Dempsey.** The Inside Out Library: Scale, Learning, Engagement

[BobcatSSS](http://www.slideshare.net/lisld/the-inside-out-library), 23 January 2013, Hacettepe University, Beytepe, Ankara (Turkey) <http://www.slideshare.net/lisld/the-inside-out-library>



Platforms and Shared Data and Services



OCLC
WorldCat[®]

<http://www.oclc.org/en-US/worldcat.html>



OCLC
WorldShare[™]

<http://www.oclc.org/en-US/worldshare.html>



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Applications



Programming Languages

Java (1)

Javascript (10)

Perl (4)

PHP (16)

Python (1)

Ruby (4)

SCREENSHOT	TITLE	DESCRIPTION	CONTACT NAME
	A-Z lists at Norwich University	Norwich University, based in Northfield, Vermont, created customized A-Z list functionality using the WorldCat knowledge base API. Showcased at the March 2012 Computers in Libraries conference panel , this app uses the data they've supplied to the WorldCat knowledge base, but serves it up in the interface that fits with Norwich's user experience. The screen capture shows what's planned for the future, including embedding functionality other places in addition to the catalog, and additional autosuggest features for their mobile presence.	Elliot Poljak, Norwich University
	A-Z lists at University of New Brunswick	The University of New Brunswick in Fredericton and Saint John, Canada, used the WorldCat knowledge base API to create customized A-Z lists for their users. They built their own A-Z lists because it gives them freedom	Jeff Carter, University of New Brunswick



Home

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Web Services



Production

Beta

Experimental

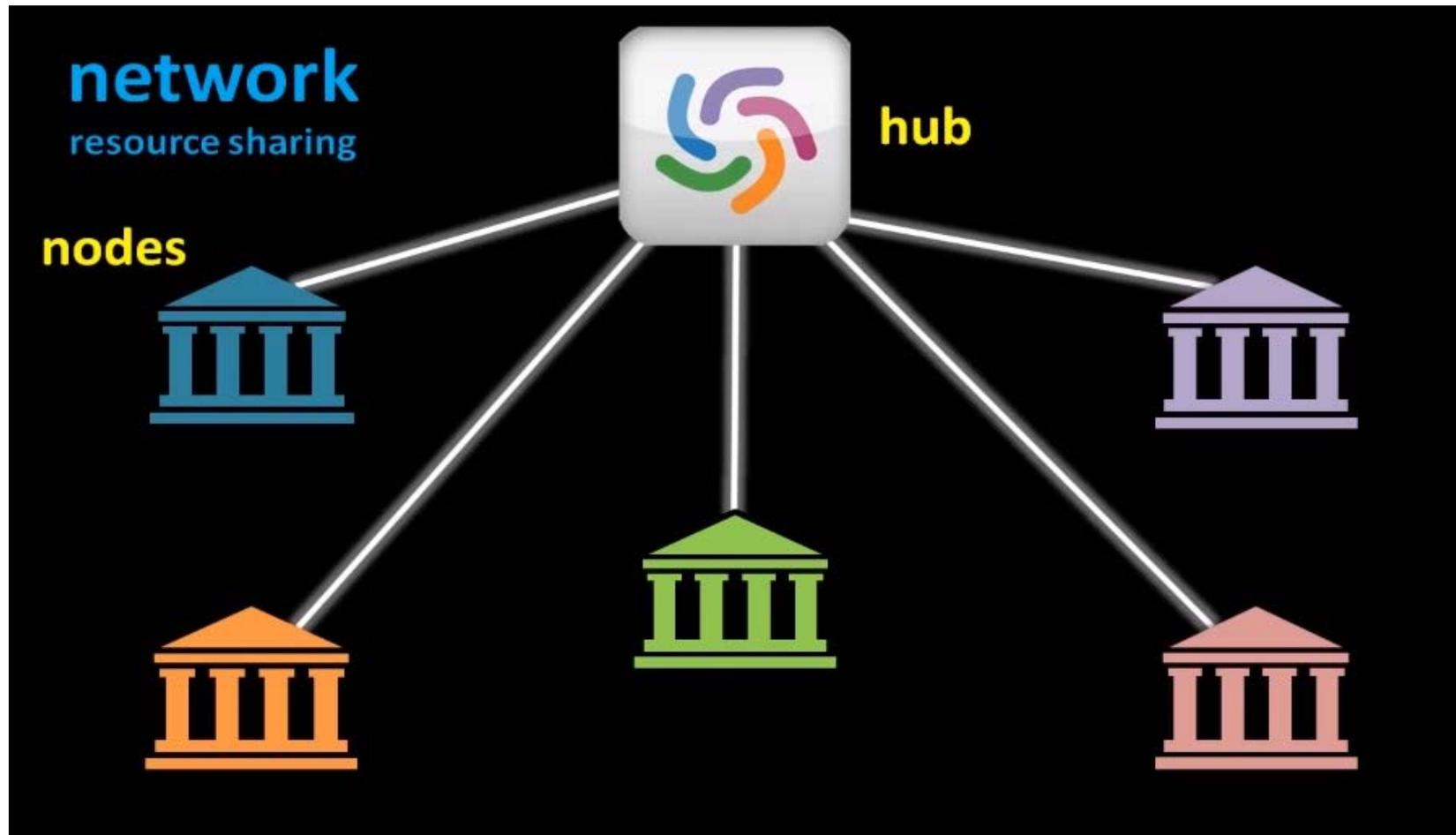
Download the Developer Network Handbook [8.5x11 A9](#)

Show your data source: [add the WorldCat symbol](#)

TITLE	STATUS	WHAT IS IT	WHAT IT DOES	QUERY PROTOCOLS	RECORD FORMATS
Article Exchange API	Production	A write web service for cloud-based document delivery. Provides developer level access to the Article Exchange document-sharing site. Article Exchange provides a single, secure location where lending libraries can place requested documents and the borrowing library can retrieve articles or book chapters the library user requested via interlibrary	Developers can upload and share documents of image-type files, such as .pdf .png .jpg .tiff and other image file formats. Upon successful upload, the response contains a unique password-protected URL that can be shared with the library user so s/he can retrieve the uploaded materials. Documents can be retrieved from the web service by using the short url and the password.	XML, JSON	XML JSON

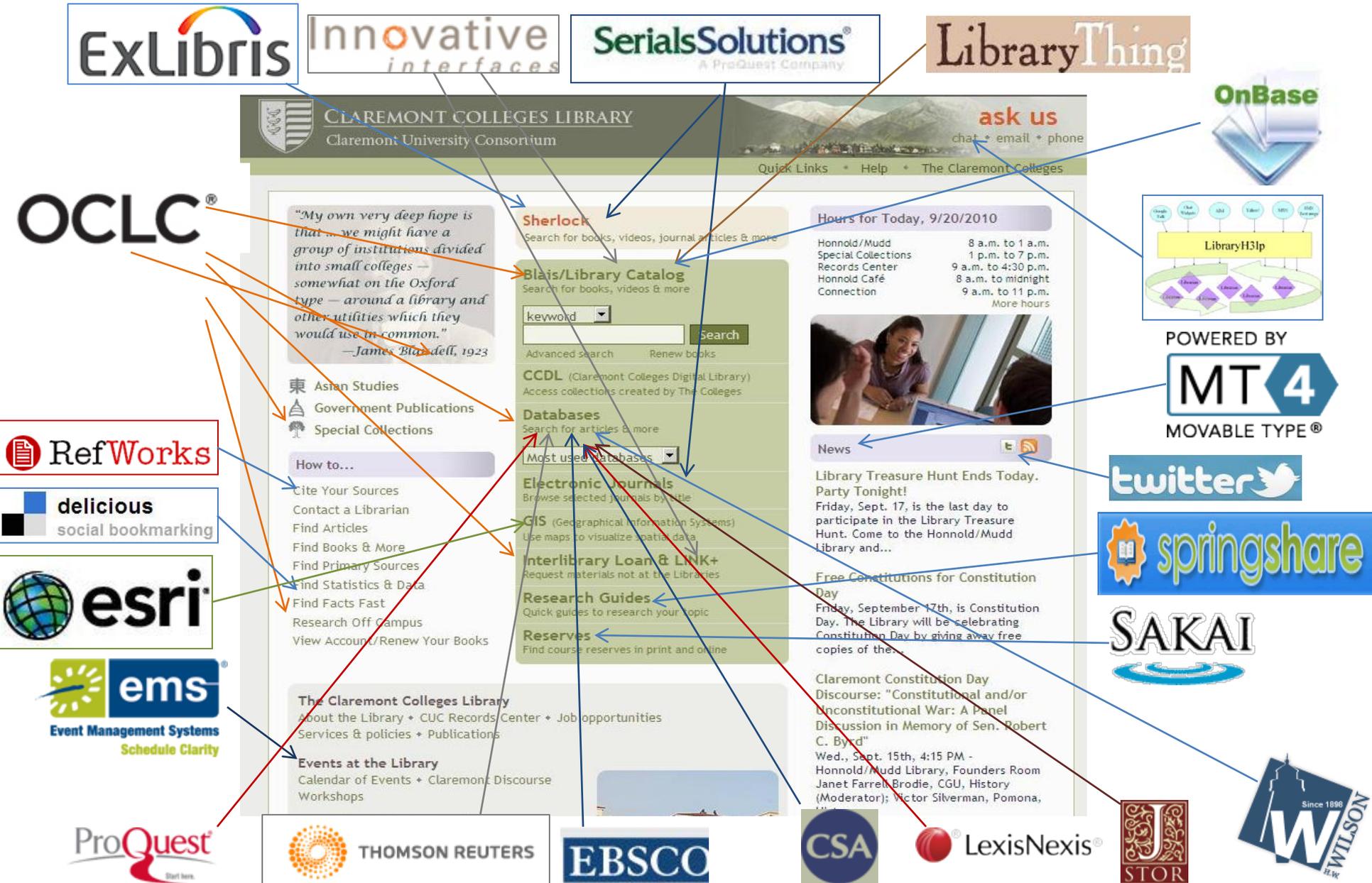


WorldCat as Hub in Library Ecosystem



- OCLC Syndication. <http://www.oclc.org/syndication>

Library environment is complicated





Alistair Croll

Semantic Idealists or Chaotic Nihilists?

<http://player.multicastmedia.com/player.php?p=xz2atn08>

(see 18:56 to 19:14 and 20:21 to 20:41).





“Our users are on the Internet and use Google or Google-like discovery tools.

They find the content they need and then expect the library to deliver the content.

*We concluded that **if, indeed, this is the world of our users, if this is reality,** (...) there really is no need for libraries to try and pull their users back to the library systems.”*

• **Simone Kortekaas.** A Library without a Catalog? See

<http://www.youtube.com/watch?v=RAYTGB8DqUk&feature=youtu.be> and

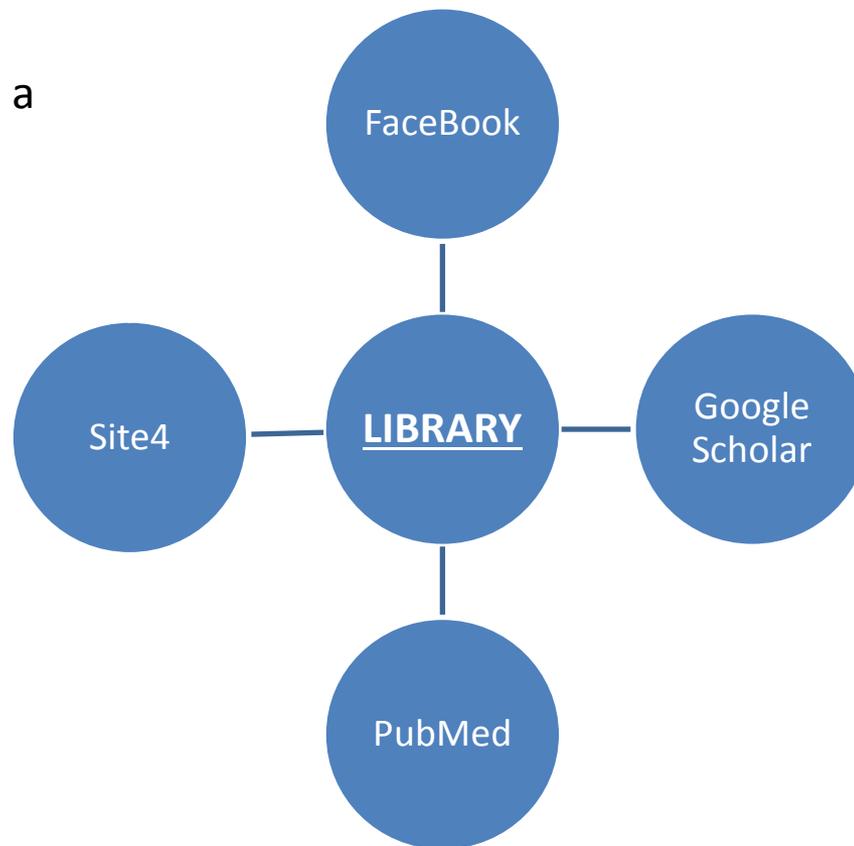
<http://www.libereurope.eu/blog/thinking-the-unthinkable-a-library-without-a-catalogue-reconsidering-the-future-of-discovery-to>



Syndicating resources

Libraries can syndicate their collections in a few places on their own

- Facebook
- Google Scholar
- PubMed
- Site4
- Etc etc etc



•OCLC Syndication. <http://www.oclc.org/syndication>



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Running the Rift

by Naomi Benaron (Goodreads Author)

4.01 rating details · 2,051 ratings · 463 reviews

Running the Rift follows the progress of Jean Patrick Nkuba from the day he knows that running will be his life to the moment he must run to save his life. A naturally gifted athlete, he sprints over the thousand hills of Rwanda and dreams of becoming his country's first Olympic medal winner in track. But Jean Patrick is a Tutsi in a world that has become increasingly rest...more

Paperback, 400 pages Published October 16th 2012 by Algonquin Books (first published January 3rd 2012) more details... edit details

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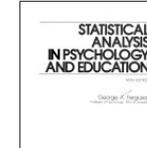
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Quiet: the power of introverts in a world that can't stop talking Select

Susan Cain - Crown Publishers - 2012 More about this source Find at your local library through WorldCat

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by Cristie L. Ford

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The Canadian Business Law Journal (2008) Volume: 46, Issue: 3, Pages: 470 ISSN: 03193322

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Google Scholar

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- All your res Add and im Access it a



Syndication centrally?



OCLC Syndication

OCLC Library Spotlight Program

Signed in as penka | Sign Out

Your Library, your words. Let the world hear your story.

Tell the world what makes your library unique, highlighting special collections and services. The Spotlight program will help you spread the word.

Find your library

Your Library and WorldCat. You'll want

WorldCat is services. W their resour information.

Search for (e.g. taco, cheap dinner, Max's)

San Francisco Public Library - Main Branch

★ ★ ★ ★ ★ 281 reviews Rating Details

Category: Libraries [Edit]

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(between Grove St & Fulton St)
San Francisco, CA 94102
Neighborhood: Civic Center

(415) 557-4400
<http://www.sfpl.org>

Hours: Mon, Sat 10 am - 6 pm
Tue-Thu 9 am - 8 pm
Fri 12 pm - 6 pm
Sun 12 pm - 5 pm

Wi-Fi: Free

Edit Business Info

First to Review Eric G.

OCLC WorldCat connects people from all over the Web, through

- the biggest search engines
- the most popular web sites
- and great online conversations

to your library.

View Larger Map/Directions

Browse Nearby:
Restaurants | Nightlife | Shopping | Movies | All

•OCLC Library Spotlight Program. <http://www.worldcat.org/spotlight>

Big Collections Data

- Number of volumes or items
- Comparison with other collections
- Cataloging
 - Titles cataloged
- Fund reports
 - Funds
 - Expenditures
 - Budgets

ARL Statistics 2011-2012

Worksheet [Collections]

- Collections

- Titles held June 30, 2012 (all formats)
- Volumes held June 30, 2012 (print plus electronic)
- Basis of print count
- Electronic books

- Expenditures

- Total library expenditures (exclude fringe benefits)
- Total library materials expenditures
 - One-time resource purchases
 - Ongoing resource purchases
 - Collection support

Millennium: Web management reports

The image shows a Microsoft Word document titled "Document1 - Microsoft Word" with the "Table Tools" ribbon active. The document content is a Millennium web management report template, structured as follows:

millennium		millennium		millennium		millennium	
USER ACCESS <input type="checkbox"/> Patron Searches <input type="checkbox"/> User Functions	CIRCULATION <input type="checkbox"/> Circ Activity	COLLECTION <input type="checkbox"/> Age of Coll <input type="checkbox"/> Coll Dev	ACQUISITIONS <input type="checkbox"/> Fund Reports <input type="checkbox"/> Vendor Info	INN-Reach <input type="checkbox"/> Site Activity	SORT BY <input type="checkbox"/> Terminal <input type="checkbox"/> PTYPE <input type="checkbox"/> Date	LIMIT BY <input type="checkbox"/> All <input type="checkbox"/> Terminal <input type="checkbox"/> PTYPE	FUNCTIONS <input type="checkbox"/> All <input type="checkbox"/> Renewing Items <input type="checkbox"/> Cancel Holds <input type="checkbox"/> Freeze Holds <input type="checkbox"/> Unfreeze Holds <input type="checkbox"/> Change Hold Pickup Location <input type="checkbox"/> Cancel Bookings <input type="checkbox"/> Cancel ILL Requests <input type="checkbox"/> Modify PIN <input type="checkbox"/> Modify Personal Info <input type="checkbox"/> Reload Data
		<input type="checkbox"/> Search Statistics <input type="checkbox"/> Indexes Used and Search Re: <input type="checkbox"/> Terminals Used for Search <input type="checkbox"/> Clear Search History <input type="checkbox"/> View Current Searches <input type="checkbox"/> Limit Terminals Reported On <input type="checkbox"/> Reload Search History					
		REPORT <input type="checkbox"/> Age of Collection <input type="checkbox"/> Collection Development <input type="checkbox"/> Circulation Crosstab					
				FINANCIAL STATUS <input type="checkbox"/> Active Firm Order Funds <input type="checkbox"/> ActiveGO(-1,-5) <input type="checkbox"/> Funds By Selector <input type="checkbox"/> MU APPROPRIATIONS <input type="checkbox"/> Cont (-3) Orders <input type="checkbox"/> Cont (-4) Orders <input type="checkbox"/> Cont (-7,-8) Internet Ord <input type="checkbox"/> GIFTS AND GRANTS <input type="checkbox"/> APPROVAL BOOKS <input type="checkbox"/> DEPOSIT ACCOUNTS <input type="checkbox"/> ILL/REPROGRAPHY <input type="checkbox"/> Inactive Funds <input type="checkbox"/> EBooks(-5) Orders			

The "COLLECTION" section in the first column is highlighted with a black box. The status bar at the bottom indicates "Page: 1 of 1" and "Words: 0".

Active Firm Order Funds - Mozilla Firefox

merlin.searchmobius.org:4443/manage/manage1/0/|hier.13^Active~Firm~Order~Funds^

millennium

Active Firm Order Funds

FINANCIAL STATUS

- Active Firm Order Funds
- ActiveGO(-1,-5)
- Funds By Selector
- ML APPROPRIATIONS

Active Firm Order Funds

		Appropriation	Expenditure	Encumbrance	Free Balance	Cash Balance
1	Accountancy/m	\$942.96	\$862.96	\$80.00	\$0.00	\$80.00
		\$149.11	\$149.11	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		\$382.58	\$371.24	\$0.00	\$11.34	\$11.34
		\$578.94	\$578.94	\$0.00	\$0.00	\$0.00
		1,061.36	\$1,021.41	\$39.95	\$0.00	\$39.95
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		1,208.73	\$1,029.34	\$140.77	\$38.62	\$179.39
		\$779.35	\$779.35	\$0.00	\$0.00	\$0.00
		\$6,680.97	\$7,481.02	\$1,039.24	\$160.71	\$1,199.94
		\$498.95	\$498.95	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		1,682.96	\$0.00	\$0.00	\$1,682.96	\$1,682.96
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	Almony&Jalali	\$1,370.40	\$738.43	\$70.00	\$561.97	\$631.97
17	Almony&JalaliE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	Animal Science/m	\$1,182.72	\$772.75	\$306.60	\$103.37	\$409.97

Financial status: Active firm order funds

- Fund
- Appropriation
- Expenditure
- Encumbrance
- Free balance
- Cash balance

Collections data

- Title and volume counts
 - By call number and subject
 - By location
 - By format
 - By age
 - Etc.

MERLIN Library Catalog / All Locations - Mozilla Firefox

Search results - GWLA

merlin.mobius.umssystem.edu/record=b9616246

Daniel Kilbride

Author **Kilbride, Daniel, 1968-**

Title **Being American in Europe, 1750-1860 / Daniel Kilbride.**

Permanent Link <http://merlin.mobius.umssystem.edu:80/record=b9616246-S8>

Locations **Find Similar Items** Text Call Number Print

LOCATION	CALL #	STATUS
MU Ellis	D917 .K55 2013 Nearby on shelf	NOT CHECKED OUT

Description pages cm

Contents "English association," 1750-83 -- "The blows my republican principles receive are forcible," 1783-1820 -- "What we Anglo-American understand by the significant word comfort," 1821-1850 -- "The manifold advantages resulting from our glorious Union," 1840s-1861.

Notes Includes bibliographical references and index.

Subjects **Americans -- Travel -- Europe -- History.**
Europe -- Description and travel.
Americans -- Europe -- Ethnic identity -- History.
Ethnicity -- Europe -- History.
Europe -- Social life and customs -- 18th century.
Europe -- Social life and customs -- 19th century.

zotero

Bibliographic record for "Being American in Europe, 1750-1860" in MERLIN

MOBIUS - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Search results - GWLA MOBIUS

searchmobius.org/search/z?6mrln+b9616246&backlink=http://merlin.mobius.umsystem.edu:80/search- gwla

MOBIUS
LINKING MISSOURI'S LIBRARIES

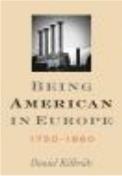
MOBIUS Libraries Help

Start Over Save Record MARC Display

LOCAL PAC NO 6mrln b9616246 Search

[Search History]

Previous



Book

Author Kilbride, Daniel, 1968-

Title Being American in Europe, 1750-1860 / Daniel Kilbride.

Publication Baltimore : The Johns Hopkins University Press, 2013.

Link to this record - <http://searchmobius.org:80/record=b27890104~S0>

Request

ARCHWAY MERLIN WASH U

zotero

Bibliographic record for “Being American in Europe, 1750-1860” in MOBIUS Catalog – uploaded from MERLIN catalog. Shows MU holdings information.

Subject (Library of Congress)
Medical Subject (MESH)
Children's Subject
Numerical Search

Home Search

Create lists, bibliographies and reviews: [Sign in](#) or [create a free account](#)



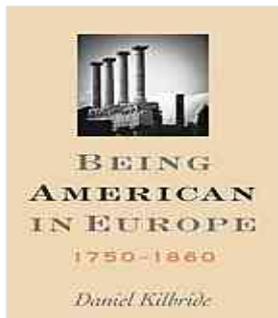
Search

[Advanced Search](#) [Find a Library](#)

[Return to Search Results](#)

[Add to list](#) [Add tags](#) [Write a review](#) Rate this item: ☆☆☆☆☆

Bibliographic record for "Being American in Europe, 1750-1860" in WorldCat



Being American in Europe, 1750-1860

Author: [Daniel Kilbride](#)

Publisher: Baltimore : The Johns Hopkins U

Edition/Format: Book : Biography : English [View all editions and formats](#)

Summary: While visiting Europe in 1844, Harry McCall of Philadelphia wrote to his cousin back home of his disappointment. He didn't mind Paris, but he preferred the company of Americans to Parisians. This [Read more...](#)

Rating: ☆☆☆☆☆ (not yet rated) [0 with reviews - Be the first.](#)

- [History.](#)
- [Europe -- Description and travel.](#)
- [Americans -- Europe -- Ethnic identity -- History.](#)
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- [Similar Items](#)

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[OCLC FirstSearch](#)

Find It @

Being American in Europe, 1750-1860 (Book, 2013) [WorldCat.org] - Windows Internet Explorer

http://www.worldcat.org/title/being-american-in-europe-1750-1860/oclc/811426830&referer=brief_results

File Edit View Favorites Tools Help

MU Libraries LibX Keyword Search MERLIN Catalog Clear Scholar

Being American in Europe, 1750-1860 (Book, 2013) [...]

Page Tools

Find It @

Find a copy in the library

Enter your location: Find libraries

Displaying libraries 1-6 out of 95 for all 2 editions

<< First < Prev 1 2 3 Next >>

Library			
1. University of Missouri -- Columbia MU Libraries; University of Missouri; MU; Ellis Library; University of Missouri Columbia Columbia, MO 65201 United States			
2. Saint Louis Community College St. Louis, MO 63110 United States	Book	113 miles MAP IT	Library info Add to favorites
3. Iowa State University Parks Library Ames, IA 50011 United States	Book	224 miles MAP IT	Library info Ask a librarian Add to favorites
4. Indiana University Bloomington, IN 47405 United States	Book	312 miles MAP IT	Library info Add to favorites
5. University of Chicago Library Chicago, IL 60637 United States	Book	317 miles MAP IT	Library info Ask a librarian Add to favorites

Done Internet 100%

Bibliographic record for "Being American in Europe, 1750-1860" in WorldCat – show MU holdings

Collections data: MOBIUS

- Cluster
- Bib Records
- Unique titles held by this library
- % soley held of own records
- % solely held of MOBIUS unique
- Bib records with holdings
- Item records
- Order records
- Checkin records

ILS order record

- Location
- Order type
- Order date, Received date, Catalog date
- Claims
- Pay type
- Estimated price
- Fund
- Status
- Vendor
- Language and Country
- Payment information

Bib Record - o13683172

File Edit View Go Tools Window Help

Insert Save View Edit

b96162466

BCODE3 -

AUTHOR Kilbride, Daniel, 1968-
 TITLE Being American in Europe, 1750-1860 / Daniel Kilbride.
 OCLC # 811426830

Summary Record o13683172 Receive o13683172 Payments o13683172

Queue P.O. View Finance

o13683172 Last Updated: 04-18-2013 Created: 04-11-2013 Rev

PAY TYPE	b BLANKET	E PRICE	\$34.95
LOCATION	ceiii MU Ellis	FORM	-
CDATE	04-16-2013	FUND	hist2 History/a
CLAIM	n NO CLAIMS	ODATE	04-03-2013
COPIES	1	ORD NOTE	-
CODE1	-	ORD TYPE	a APPROVAL PLAN
CODE2	-	REACTION	-
CODE3	-	RDATE	04-18-2013
CODE4	f	COUNTRY	mda Maryland
		VOLUMES	1

z PromptCat

PAID	DATE	INVD	INV#	AMT	VOUCHER	COPIES	FOR CURR	NOTE
	04-18-2013	04-02-2013	276338	\$28.66	74816	001		

o13683172 Edit Mode (INS)



- 2014+ (1198)
- 2013 (current year) (33091)
- 2012 (76186)
- 2011 (64438)
- 2001 - 2010 (628104)
- more...
- + US Profiled Date
- + UK Profiled Date
- + LC Classification
- + US Price
- + UK Price
- + eBook Supplier
- + Imprint Type
- + Content Level
- + Select Profiling Level
- + Geo Region

(SUPO)

+ Project MUSE [Unlimited Use](#) 69.90 USD Available Yes

Library Note: [Add...](#)

[alt-ed shipped to library \(4/2/2013\)](#) [alternate editions \(1P/1E\)](#) [GobiTween \(8 Books/20 Slips\)](#) [Book News](#)

Title: BEING AMERICAN IN EUROPE, 1750-1860. **ISBN:** [9781421408996](#)

Author: KILBRIDE, DANIEL

Publisher: JOHNS HOPKINS UNIV PRESS **Pub Year:** 2013 **Binding:** Cloth

LC Class: D917.K55 2013 **Content Level:** ADV-AC **YBP Select:** Research-Recommended

Language: English **Rush:** Available

US List: 34.95 USD **US Status:** In Stock

UK List: 18.00 GBP **UK Status:** Orders accepted

Library Note: [Add...](#)

[shipped to library \(4/2/2013\)](#) [alternate editions \(1P/1E\)](#) [GobiTween \(8 Books/20 Slips\)](#) [Book News](#)

Title: GENDER AND WELL-BEING IN EUROPE: HISTORICAL AND CONTEMPORARY PERSPECTIVES **ISBN:** [9780754672647](#)

Editor: BERNARD HARRIS

Publisher: ASHGATE **Pub Year:** 2009 **Binding:** Cloth

LC Class: HN374.G46 2009 **Content Level:** ADV-AC **YBP Select:** Research-Recommended

Series Title: [GENDER AND WELL-BEING](#)

Language: English

US List: 99.95 USD **US Status:** Orders accepted

Also Available From: [YBP MARKETPLACE](#)

UK List: 62.99 GBP **UK Status:** In Stock

Library Note: [Add...](#)

[slip sent \(8/19/2009\)](#) [alternate editions \(1P/1E\)](#) [GobiTween \(5 Books/21 Slips\)](#) [Book News](#)

GOBI

- Action = Shipped
- Date = 4/2/2013
- Qty = 1
- Descriptor = US General Library
- Subaccount = 5664-10
- Fund / Other = HIST2
- PO # =
- Initials =
- Submitted by =
- Invoice number = 276338
- Tracking number = 120...

GOBI 3: Search Results - Windows Internet Explorer

http://www.gobi3.com/hx/falcon.ashx?location=basicsearchrun&container=4349229&

File Edit View Favorites Tools Help

MU Libraries LibX Keyword

GOBI 3: Search Results

GOBI³ Keyword Any Words

being american in europe Search

Search Notifications Folders Reports

Library History

Title: BEING AMERICAN IN EUROPE, 1750-1860.
Author: KILBRIDE, DANIEL
Pub Year: 2013

Action	Date	Qty	Descriptor	Subaccount	Fund/ Other	PO#
Shipped	4/2/2013	1	US GENERAL LIBRARY	5664-10	HIST2	

[GobiTween \(8 Books/20 Slips\)](#)

Email Print Close

Content Level US List: 99.95 USD US Status: Orders accepted
Select Profiling Level Also Available From: [YBP MARKETPLACE](#)
UK List: 62.99 GBP UK Status: In Stock
[Library Notes Add](#)

Done Internet 100%

YBP Tracking - Windows Internet Explorer
http://wwwapps.ups.com/WebTracking/OnlineTool?InquiryNumber1=1Z05E3950374991233&UPS_I_

File Edit View Favorites Tools Help
MU Libraries LibX Keyword Search MERLIN Catalog Clear Scholar
YBP Tracking

ups UPS Tracking
UPS OnLine® Tools

Tracking Detail

1Z05E3950374991233 Updated: 06/03/2013 3:51 P.M. East

Delivered ✓

Delivered On:
Friday, 04/05/2013 at 10:34 A.M.

Left At:
Dock

Signed By:
BITTLE
[Proof of Delivery](#)

Additional Information

Multiple Packages:
6

Shipped/Billed On:
04/02/2013

Type:

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UPS

- Click tracking number in GOBI record to access UPS information

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http://www.gobi3.com/hx/falcon.ashx?location=basicse

File Edit View Favorites Tools Help

MU Libraries LibX Keyword

GOBI 3: Search Results

GOBI³ Keyword Any Words

being american in europe x

Search Notifications Fol

Sort Filter

Marked: 0

2014+ (1198)

2013 (current year)

2012 (78188)

2011 (64438)

2001 - 2010 (628)

+ US Profiled Date

+ UK Profiled Date

+ LC Classification

+ US Price

+ UK Price

+ eBook Supplier

+ Imprint Type

+ Content Level

+ Select Profiling Level

+ Geo Region

Also Available From: [YBP MARKETPLACE](#)

UK List: 62.99 GBP UK Status: In Stock

Library Note: [Add...](#)

alternate editions (12/15) GobiTweap (5 Books/21)

Done Internet 100%

GOBI – library activity [for a selected title]

- Books shipped against approval profiles
- Notification slips sent against approval profiles
- Approval books returned by libraries
- Orders places by libraries
- Books shipped on standing order
- Quantity sold since publication

library activity

Information shown below combines activity for all bin

Title: BEING AMERICAN IN EUROPE, 1750-1860.

Author: KILBRIDE, DANIEL

ISBN: 9781421408996

Pub Year: 2013

Binding: Cloth

Activity in the last 24-36 months:

books shipped against approval profiles	73
notification slips sent against approval profiles	573
approval books returned by libraries	1
orders placed by libraries	26
books shipped on standing orders	

Quantity sold since publication: 98

Email

Print

Close

GobiTween - GWLA data

Library Book
 Return Slip
 Selected Open
 Filled Series
 Volume

GOBI 3: Search Results - Windows Internet Explorer
 http://www.gobi3.com/hx/falcon.ashx?location=basicsearchrun&container=4349229&type=...

File Edit View Favorites Tools Help
 MU Libraries LibX Keyword

GOBI 3: Search Results
 Keyword Any Words
 being american in europe Search

Search Notifications Folders Reports Opti

Sort Filter
 Marked: 0

Binding
 Paper (718944)
 Cloth (333884)
 eBook (81875)
 Other (24628)

Publication Year
 2014+ (1198)
 2013 (current year) (78186)
 2012 (78186)
 2011 (64438)
 2001 - 2010 (628)

+ US Profiled Date
 + UK Profiled Date
 + LC Classification
 + US Price

GobiTween
 Information shown below combines activity for all bindings and places of publication for this title

Title: BEING AMERICAN IN EUROPE, 1750-1860.
Author: KILBRIDE, DANIEL **ISBN:** 9781421409009
Pub Year: 2013 **Binding:** eBook
Greater Western Library Alliance

Library	Approval Plans				Orders				
	Book	Return	Slip	Block	Selected	Open	Filled	Series	Volume
UNIV OF MISSOURI/COLUMBIA	1								
BAYLOR UNIV LIBRARIES			2						
BRIGHAM YOUNG UNIVERSITY	1		1						
IOWA STATE UNIVERSITY			2		1		1		
OKLAHOMA STATE UNIVERSITY			1						
RICE UNIVERSITY	1								
SOUTHERN ILLINOIS UNIVERSITY			1						
TEXAS A&M UNIVERSITY LIBRARIES	1								
UNIV OF ARKANSAS			2						
UNIV OF ILLINOIS/CHICAGO	1								
UNIV OF KANSAS/LAWRENCE	1								

Email Print Close

Book News

Title: GENDER AND WELL-BEING IN EUROPE: HISTORICAL AND CONTEMPORARY PERSPECTIVES **ISBN:** 9780754672647

Done Internet 100%

GOBI³

Keyword: Any Words: Search

Search | Notifications | Folders | Reports | Options

GobiTween – MOBIUS data

Library	Book
Return	Slip
Selected	Open
Filled	Series
Volume	

- Sort
- Marked: 0
- 2014+ (1198)
- 2013 (current year)
- 2012 (78188)
- 2011 (64438)
- 2001 - 2010 (628)
- + US Profiled Date
- + UK Profiled Date
- + LC Classification
- + US Price
- + UK Price
- + eBook Supplier
- + Imprint Type
- + Content Level
- + Select Profiling Level
- + Geo Region

GobiTween

Information shown below combines activity for all bindings and places of publication for this title

Totals:		7	13	1	1
----------------	--	---	----	---	---

MOBIUS

Library	Approval Plans			Orders					
	Book	Return	Slip	Block	Selected	Open	Filled	Series	Volume
UNIV OF MISSOURI/COLUMBIA	1								
AVILA UNIVERSITY			1						
ROCKHURST UNIVERSITY			1						
SAINT LOUIS UNIV PIUS LIBRARY			1						
SOUTHWEST BAPTIST UNIVERSITY LIBRARIES			1						
UNIV OF CENTRAL MISSOURI			1						
UNIV OF MISSOURI/ST. LOUIS			1						
WASHINGTON UNIV IN ST. LOUIS	1								
WEBSTER UNIVERSITY			1						
Totals:	2		7						

Total copies acquired: 2

Email | Print | Close

Also Available From: [YBP MARKETPLACE](#)
 UK List: 62.99 GBP UK Status: In Stock
 Library Note: [Add...](#)
 slin sent (8/19/2009)

Invoice data in MERLIN Catalog

Invoice Processing

Limit View Edit Summary Browse Print Close Print Inv Finish Suspend Quit Show Bib Show I

Invoice # Invoice Date Vendor Use Currency

#	Record #	Title	Copies	Amount	Fund	Notes
1	040011227	Works, 1955	1	\$437.84 a7910	2013	147734485
2						
3						
4						
5						
6						
7						

Up one level

Invoice

these Invoices

AUTHOR
TITLE
IMPRINT

MOSpace Home - Windows Internet Explorer

https://mospace.umsystem.edu/xmlui/ google scholar

File Edit View Favorites Tools Help

MU Libraries LibX Keyword

MOSpace Home

University of Missouri System
COLUMBIA | KANSAS CITY | ROLLA | ST. LOUIS

MOSpace

Preserving the intellectual output & resources of the University of Missouri.

search | browse | add to MOSpace | about | help

Search MOSpace

Go

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Browse

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 - [Communities & Collections](#)
 - [By Issue Date](#)
 - [Authors](#)
 - [Titles](#)
 - [Subjects](#)

MOSpace Repository

MOSpace is an online repository for scholarly work and resources created by faculty, staff and students at the University of Missouri. MOSpace makes created knowledge and research products from UM available to the wider community of researchers and students and assures preservation of these materials for the future. [\[read more\]](#)

Communities in MOSpace

Select a community to browse its collections.

- [Scholars' Mine: Missouri University of Science and Technology](#) [37908]
- [University of Missouri System](#) [784]
- [University of Missouri-Columbia](#) [16667]
- [University of Missouri-Kansas City](#) [1638]
- [University of Missouri-St. Louis](#) [66]

Search MOSpace

Done Internet 100%

Institutional repository

- **Collection data**
 - Number of items
 - File size (total)

WEST Project – file sent for holdings comparison

Provide bibliographic data for your journal titles in MARC21 format.

Separate MARC file for each OCLC Institution Symbol used by library.

- Print journals or serials, but exclude government documents to the extent identifiable
- Active or inactive (ceased, suspended, etc) for which your library holds print
- Exclude titles that you hold only in digital form or microform
- Local Holdings Records, if you maintain them

HathiTrust – file sent for holdings comparison

- Monographs holdings file
 - OCLC#
 - Partner's local system ID
 - Enumeration/chronology information, if available
 - Holding status (optional) (current, withdrawn, lost or missing)
 - Condition (optional)
- Serials holdings file
 - OCLC#
 - Partner's local system ID
 - ISSN, if available

Informal data

- From All Selectors Meeting minutes (March 1, 2013)
“DDA ... 335 books have been purchased so far at \$28,400. Orders are about 60% to 40% print to electronic. ... There are not many duplicates, maybe 10-12 out of 300. ... There is interest in marking e-book records in the catalog to show that we do not own it ”

Other types of data

- Donor information
- Policies
 - Collection development
 - Retention
 - Repair

Who else has our data?

- ILL partners
 - RAPID
- Authority vendor
 - Backstage Library Works
- Table of contents vendor
 - YBP
- Materials vendors
- WorldCat

google scholar - Summon at MU - Windows Internet Explorer

http://missouri.summon.serialssolutions.com/search?s.q=google+scholar

File Edit View Favorites Tools Help

MU Libraries LibX Keyword Search MERLIN Catalog Clear Scholar

google scholar - Summon at MU

Any



Update Clear

Library Location

- Any
- MU Ellis Library Main Collection (826)
- MU Health Sciences Library (323)
- MU Engineering Library (302)
- MU Law Library (294)
- MU Journalism Library (288)
- MU Math Sciences Library (259)
- more...

Language

- Any

Personalized Search Powered by Summon™

Saved Items (1)

Done

Internet 100%

Google Scholar

online by Notess, Greg R
Online, ISSN 0146-5422, 09/2012, Volume 36, Issue 5, p. 13
...**Google Scholar** added the option to sort legal search results by date. The sort option is in the left-hand search tools. Sort by date can be combined with court... [Service enhancement](#), [Information services](#), [Information services industry](#)
Journal Article:
Full Text Online

Google Scholar

by P S Lapinski
Choice, ISSN 0009-4978, 07/2007, Volume 44, Issue 11, p. 1881
... E 44-5957 [Internet Resource] **Google Scholar** URL: <http://scholar.google.com/> [Visited Apr'07]
Google Scholar(GS) offers the same simple interface... [Search engines](#), [Electronic publishing](#), [Metadata](#), [Research](#), [Web site reviews](#)
Journal Article:
Physical copy

Google Scholar

online by Notess, Greg R
Online, ISSN 0146-5422, 11/2011, Volume 35, Issue 6, p. 11
...**Google Scholar** has introduced **Google Scholar** Citations to help researchers and scholarly authors calculate citation metrics and track changes. Individuals... [Service enhancement](#), [Information services](#), [Information services industry](#)
Journal Article:
Full Text Online

Google Scholar

online by Notess, Greg R
Online, ISSN 0146-5422, 05/2011, Volume 35, Issue 3, p. 13
...**Google Scholar** has added a new advanced search option in court cases for limiting searches to

Descriptions of library resources

- Title
- Edition
- Publication information
- Physical description
- Series
- Notes
- Numbers
- Creators and contributors
- Subjects
- Genre/form terms



Cloud-sourcing Research Collections: Managing Print in the Mass-digitized Library Environment

Constance Malpas

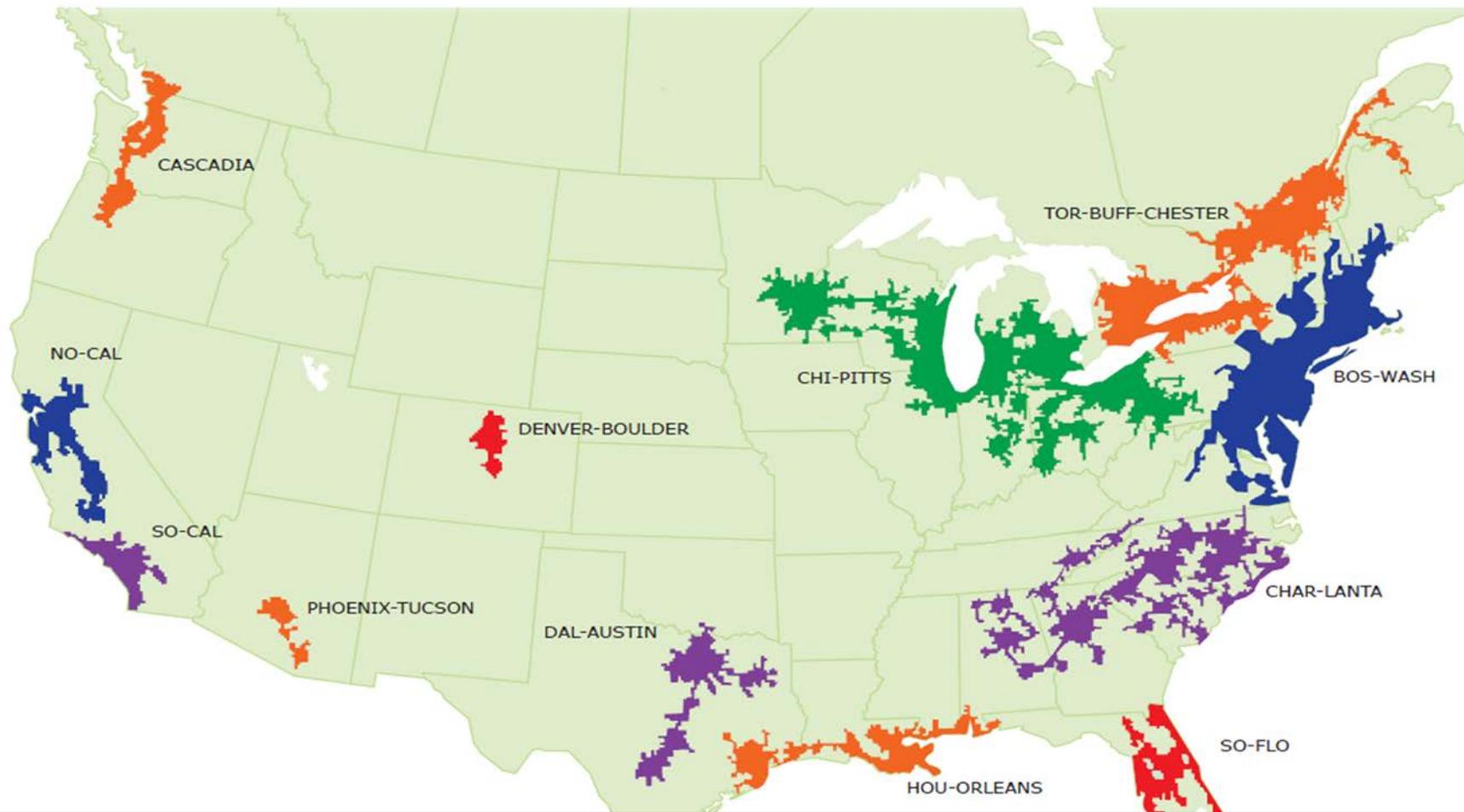
Program Officer
OCLC Research

• **Constance Malpas.** [“Cloud-sourcing Research Collections: Managing Print in the Mass-digitized Library Environment.”](http://www.oclc.org/content/dam/research/publications/library/2011/2011-01.pdf)

<http://www.oclc.org/content/dam/research/publications/library/2011/2011-01.pdf>



North American Mega-regions



• Brian Lavoie, Constance Malpas and JD Shipengrover. "Print Management at "Mega-scale": a Regional Perspective on Print Book Collections in North America." <http://www.oclc.org/content/dam/research/publications/library/2012/2012-05.pdf>



Regional Print Book Collections*



North American print book resource:
45.7 million distinct publications
889.5 million total library holdings

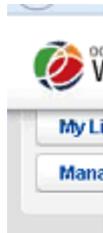
* Circles are scaled to reflect the number of print book publications in each regional collection.

Lavoie, Malpas & Shipengrover for OCLC Research. 2012.



BOS-WASH	57 %
CHI-PITTS	41 %
TOR-BUFF-CHESTER	32 %
NOR-CAL	27 %
CHAR-LANTA	22 %
SO-CAL	21 %
CASCADIA	15 %
DAL-AUSTIN	14 %
HOU-ORLEANS	11 %
SO-FLO	11 %
DENVER	9 %
PHOENIX	8 %

• Brian Lavoie, Constance Malpas and JD Shipengrover. “[Print Management at "Mega-scale": a Regional Perspective on Print Book Collections in North America.](http://www.oclc.org/content/dam/research/publications/library/2012/2012-05.pdf)” <http://www.oclc.org/content/dam/research/publications/library/2012/2012-05.pdf>

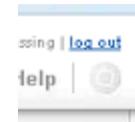


Sustainable Collection Services **SCS**

Sustainable Collection Services (SCS) offers deselection decision-support tools to academic libraries.



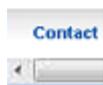
- MARC Records
- Location Codes
- Copy Numbers
- Call Numbers - LC, NLM, Dewey
- Usage Tallies
- Transaction Dates
- Notes



nt: 3,827



Main Branch



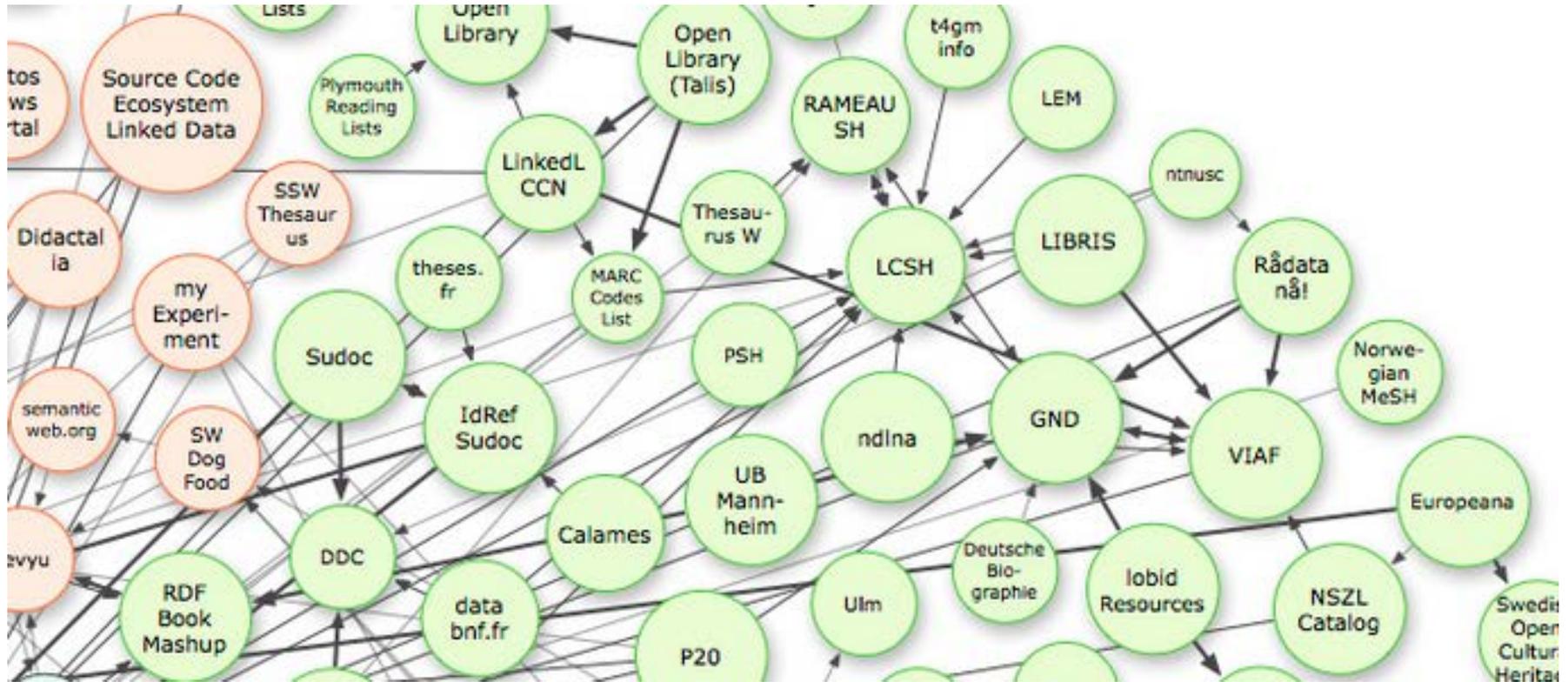


Discussion

- What data do we have about our collections?
- How can we use it to benefit users?
- How can it help us build and maintain our collections and services?
- How do we best expose our resources into the open web and (free) commercial web services?



IV. Big Bibliographic Data:



Big Bibliographic Data

Data describing library materials

Information about creators and contributors

- WorldCat
- At a glance
- A global catalog
- A suite of integrated services
- 'Web scale' discovery and delivery
- Facts and statistics
 - WorldCat gold records
- 25 reasons to choose WorldCat
- Join WorldCat

- National libraries in WorldCat
- Watch WorldCat grow (LIVE)
- WorldCat Record Use Policy
- Subscribe to OCLC updates and offers
- Subscribe to OCLC distribution and discussion lists

WorldCat : Facts and statistics

WorldCat facts and statistics

72,000
Number of libraries represented worldwide

1,944,856,049
Number of holdings
[Watch WorldCat grow »](#)

170
Countries and territories with library holdings in WorldCat
[View the list »](#)

Every 10 seconds
How often a record is added

Over 470
Number of languages and dialects represented

Every 4 seconds
How often a request is filled through [WorldCat Resource Sharing](#)

Every second
How often WorldCat is searched via [FirstSearch](#)

290,687,111
Number of bibliographic records

Firefox

MERLIN Library Catalog /All Locations x Mozilla Firefox Start Page x +

laurel.iso.missouri.edu/search~S8?X(big+data+libraries)&searchscope=8f merlin missouri

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(Search History)

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 049 MUUA
 090 LB1139.4|b.J33 2012
 100 1 Jackman, Hilda L.
 245 00 Early education curriculum :|ba child's connection to the world /|cHilda L. Jackman.
 250 5th ed.
 260 Belmont, Calif. :|bWadsworth,|cc2012.
 300 xxiii, 386 p. :|bcol. ill., music ;|c28 cm.
 504 Includes bibliographical references and index.
 520 Our Education Media Libraries feature current, authentic video clips that show teachers and children in real classroom and child care settings. Find videos exploring issues related to infants & toddlers, preschoolers, and school-aged children, as well as topics such as Art and Creative Arts; Guidance/Behavior Management; Health, Safety, and Nutrition; Math and Science; Music and Movement; and much more! If access was not packaged with your text, you may purchase access at CengageBrain.com. --
 520 Get the Best Grade in the Shortest Time Possible! Visit CengageBrain.com to view more than 10,000 print, digital, and audio study tools. --Book Jacket.
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 970 01 |tPreface|pxv
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- MERLIN (UM) Libraries
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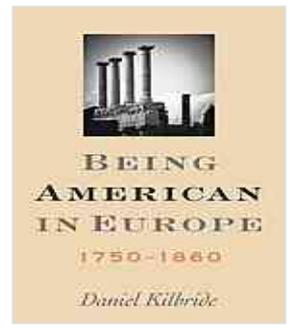


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Being American in Europe, 1750-1860

Author: [Daniel Kilbride](#)

Publisher: Baltimore : The Johns Hopkins University Press, 2013.

Edition/Format:  Book : Biography : English [View all editions and formats](#)

Summary: While visiting Europe in 1844, Harry McCall of Philadelphia wrote to his cousin back home of his disappointment. He didn't mind Paris, but he preferred the company of Americans to Parisians. This [Read more...](#)

Rating:  (not yet rated) [0 with reviews - Be the first.](#)

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merlin.mobius.umssystem.edu/record=b9616246

Daniel Kilbride

Author **Kilbride, Daniel, 1968-**

Title **Being American in Europe, 1750-1860 / Daniel Kilbride.**

Permanent Link <http://merlin.mobius.umssystem.edu:80/record=b9616246-S8>

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MU Ellis	D917 .K55 2013 Nearby on shelf	NOT CHECKED OUT

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Contents "English association," 1750-83 -- "The blows my republican principles receive are forcible," 1783-1820 -- "What we Anglo-American understand by the significant word comfort," 1821-1850 -- "The manifold advantages resulting from our glorious Union," 1840s-1861.

Notes Includes bibliographical references and index.

Subjects **Americans -- Travel -- Europe -- History.**
Europe -- Description and travel.
Americans -- Europe -- Ethnic identity -- History.
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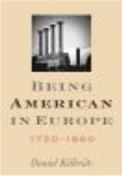
Start Over Save Record MARC Display Home

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Search

[Search History]

Previous Record Next Record



Book

Author **Kilbride, Daniel, 1968-**

Title **Being American in Europe, 1750-1860 / Daniel Kilbride.**

Publication Baltimore : The Johns Hopkins University Press, 2013.

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- Subject (Library of Congress)
- Medical Subject (MESH)
- Children's Subject
- Numerical Search

Information about creators and contributors: Authority data

- WorldCat
- MERLIN
- Library of Congress Name Authority File
- LC Name authority file linked data: id.loc.gov
- Virtual International Authority File

Local discovery tools

- MERLIN (ILS)
- Institutional repository
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MARC Display (Library of Congress Authorities) - Mozilla Firefox

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Search results - GWLA x viaf - Yahoo! Search Results x Cropp, Fritz - LC Linked Data Ser... x MARC Display (Library of Congres... x

authorities.loc.gov/cgi-bin/Pwebrecon.cgi?AuthRecID=5891932&v1=1&HC=1&SEQ=20130603185338 lc authority file

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MARC Display Labelled Display

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035 __ |a (OCoLC)oca05998299
040 __ |a DLC |b eng |c DLC |d MoU
100 1_ |a Cropp, Fritz
400 1_ |a Cropp, Frederick William
670 __ |a Journalism across cultures, c2003: |b ECIP t.p. (Fritz Cropp)
670 __ |a Perceptions of Japanese advertising, 1996, viewed on Mar. 15, 2010 |b t.p. (Fritz Cropp) p. i (Frederick William Cropp IV)
670 __ |a OCLC, Mar. 15, 2010 |b (hdgs.: Cropp, Fritz, Cropp, Frederick William; usages: Fritz Cropp, Frederick William Cropp IV)
953 __ |a lg27

Authority record for Fritz Cropp
in Library of Congress authority
file

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Search results - GWLA viaf - Yahoo! Search Results Cropp, Fritz [WorldCat Identities] MARC Display (Library of Congres... +

www.worldcat.org/identities/np-cropp, fritz

Jump To: Overview | Publication Timeline | Works About | Works By | Audience Useful Links | Fast Headings

Cropp, Fritz

Overview

Works: 3 works in 3 publications in 1 language and 3 library holdings

Roles: [Thesis advisor](#)

Classifications: pn4888.m56, 070.4493058

Publication Timeline

1930 | | 2010

Key

- Publications about Fritz Cropp
- Publications by Fritz Cropp

Most widely held works by Fritz Cropp

Journalism across cultures (Book)
1 edition published in 2003 in English and held by 0 libraries worldwide

Direct-to-consumer advertising on the Internet : a look at the practices of pharmaceutical companies by Danielle Curtis (Book)
1 edition published in 1999 in English and held by 0 libraries worldwide
This journalism master's project includes a professional work component and a research component. The professional work component details the author's experiences working at Edelman PR, Chicago with the Interactive Solutions group in a variety of duties. Includes field notes and examples of work. In the research component the author examines "what pharmaceutical companies are doing on the Internet, as far as advertising directly to the consumer goes, and why are they doing it. [The author] ... explores how pharmaceutical companies use the Internet to advertise directly to the consumer, ... the tactics and messages

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- WorldCat Identity page of Fritz Cropp**
- Name
 - Roles
 - Works
 - Publication timeline
 - Most widely held works by Fritz Cropp with summaries
 - Book covers
 - Associated identities

OCLC Connexion - [Online LC Authority File: Angkasith, Vorapoch, 1971-]

File Cataloging Authorities Edit Action Batch View Tools Window Help

Text Strings User Tools

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				Name use	a
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				Ser use	b
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370		Bangkok, Thailand
370		# Columbia, Mo.
372		Mechanical engineering #2 lcsb
372		Industrial and manufacturing system engineering
373		King Mongkut's University of Technology Thonburi
373		University of Missouri-Columbia #2 naf
375		male
377		eng
670		An intelligent design retrieval system for module-based products, 2004: #b title page (Dissertation...University of Missouri-Columbia; Vorapoch Angkasith) vita (Vorapoch Angkasith was born in Bangkok, Thailand in 1971; Bachelor of Engineering in Mechanical Engineering from King Mongkut's University of Technology Thonburi...Bangkok, Thailand. (1993). Master of Science in Industrial and Manufacturing Systems

Export- Add- Submit- Replace- Report Error- Validate-

25 of 50 My Status-Felicity Workflow-In Process INS 14:50

Authority record in WorldCat for Vorapock Angkasith

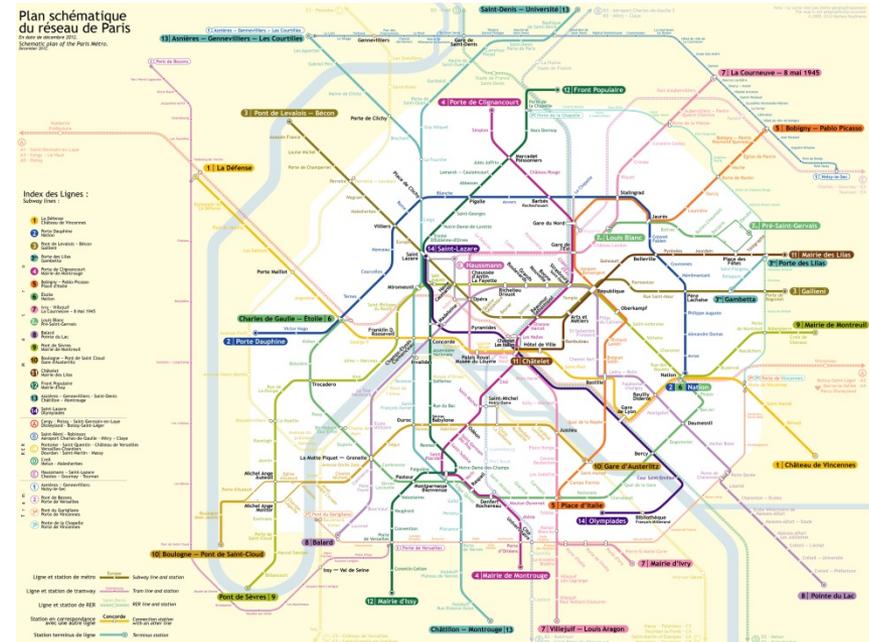
- Name
 - Date of birth
 - Associated places
 - Field of activity
 - Associated group
 - Gender
 - Associated language
- Could include
- Occupation
 - Biographical data

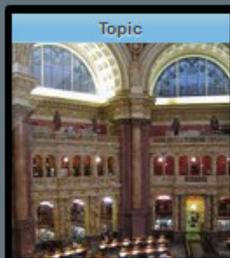
Bibliographic and authority data: Other

- Table of contents from YBP
- Copy summaries and tables of contents from publisher sites
- Information about creators and contributors

Linked data: a brief introduction

- The *Semantic Web* was a dream of Tim Berners-Lee (founder of the present-day web)
 - Intelligent web
 - Web of data
 - Web 3.0
- Linked data is the framework that allows computers to *understand* each other
 - Follows 4 principles





Library of Congress ^{en}

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The Library of Congress is the research library of the United States Congress, the de facto national library of the United States of America, and the oldest federal cultural institution in the United States. Located in four buildings in Washington, D.C., as well as the Packard Campus in Culpeper, Virginia, it is one of the two largest libraries in the world by shelf space and number of books, the other being The British Library. The head of the Library is the Librarian of Congress, currently James H. Billington. The Library of Congress was instituted for Congress in 1800, and was housed in the United States Capitol for most of the 19th century. After much of the original collection had been destroyed during the War of 1812, Thomas Jefferson sold 6,487 books — his entire personal collection — to the library in 1815. After a period of decline during the mid-19th century the Library of Congress began to grow rapidly in both size and importance after the American Civil War, culminating in the construction of a separate library building and the transference of all copyright deposit holdings to the Library. During the rapid expansion of the 20th century the Library of Congress assumed a preeminent public role, becoming a "library of last resort" and expanding its mission for the benefit of scholars and the American people. [Wikipedia](#) [-]

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Filter options: Show all domains and properties

Common /common

Freebase Commons

Topic /common/topic

X

Also known as /common/topic/alias

Library Congress

The Library Of Congress

LoC

Description /common/topic/description

The Library of Congress is the research library of the United States Congress, the de facto national library of the United States of America, and the oldest federal cultural institution in the United States. Located in four buildings in Washington, D.C., as well as the Packard Campus in Culpeper, Virginia, it is one of the two largest libraries in the world by shelf space and number of books, the other being The British Library. The head of the Library is the Librarian of Congress, currently James H. Billington. The Library of Congress was instituted for Congress in 1800, and was housed in the United States Capitol for most of the 19th century. After much of the original collection had been destroyed during the War of 1812, Thomas Jefferson sold 6,487 books — his entire personal collection — to the library in 1815. After a period of decline during the mid-19th century the Library of Congress began to grow rapidly in both size and importance after the American Civil War, culminating in the construction of a separate library building and the transference of all copyright deposit holdings to the Library. During the rapid expansion of the 20th century the Library of Congress assumed a preeminent public role, becoming a "library of last resort" and expanding its mission for the benefit of scholars and the American people. [Wikipedia](#)

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Architectural structure
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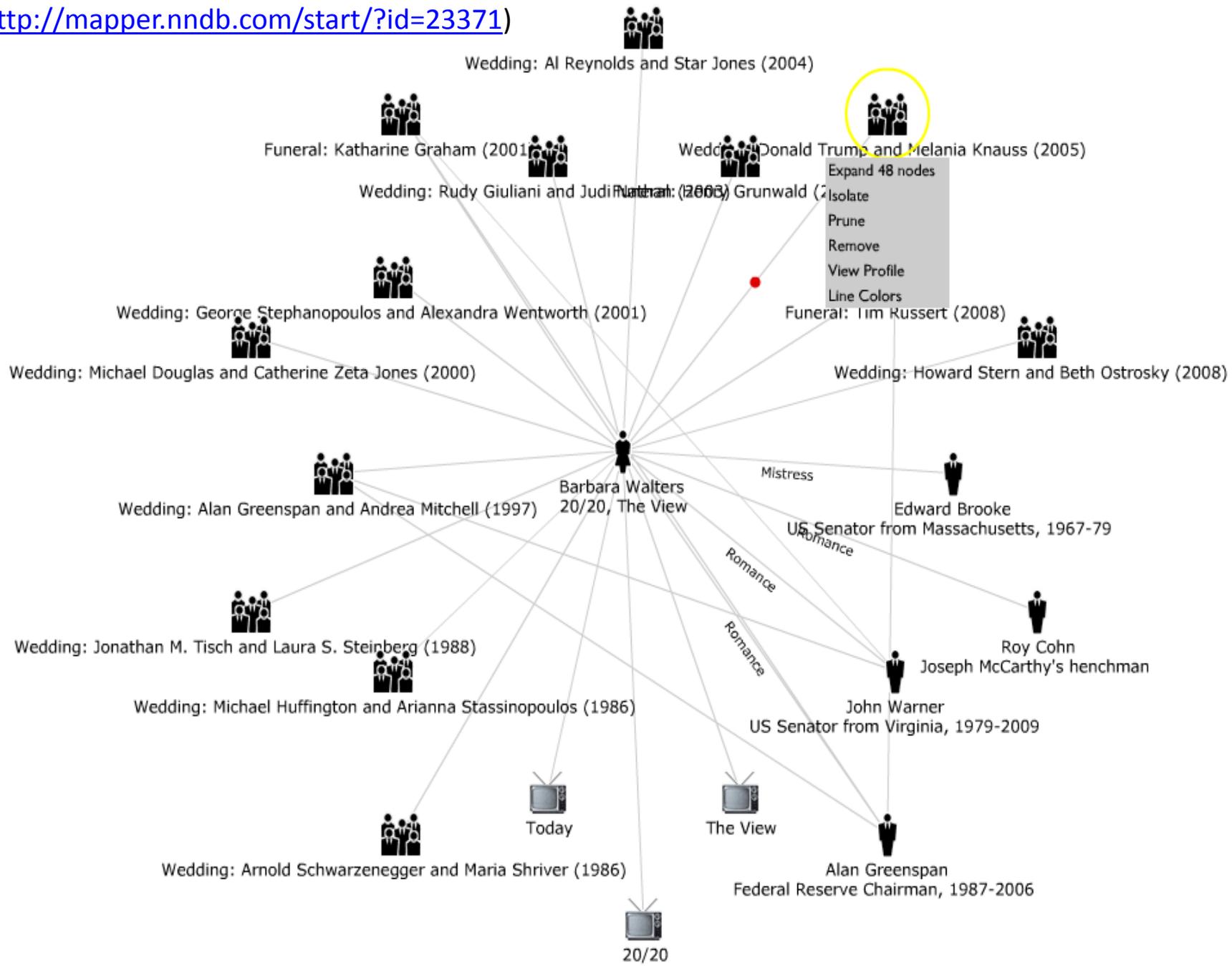
Software Developer

Books

Literature Subject
Publisher

Barbara Walters's participation in events, professional work, and personal relationships

(<http://mapper.nndb.com/start/?id=23371>)



Linked data

““Linked Data” refers to data published in accordance with principles designed to facilitate linkages among **datasets**, **element sets**, and **value vocabularies**.”

--Library Linked Data Incubator Group Final Report (2011)

<http://www.w3.org/2005/Incubator/lld/XGR-lld-20111025/>

LD in action: *Out of the Trenches:* *A Linked Open Data Project*

- Partners of the [Pan-Canadian Documentary Heritage Network \(PCDHN\)](#) have developed a “proof-of-concept” to showcase a sampling of the network’s wealth of digital resources using “linked open data” and principles of the semantic web.
- The overall approach to the “proof-of-concept” was to make use of existing metadata about the resources and repurpose it without loss of context and meaning.
- Analysis: linked data CAN be created from metadata libraries currently have
- Results: the project was successful, but is small in scale and not available online
- Report:
[http://www.canadiana.ca/sites/pub.canadiana.ca/files/PCDHN%20Proof-of-concept Final-Report-ENG 0.pdf](http://www.canadiana.ca/sites/pub.canadiana.ca/files/PCDHN%20Proof-of-concept%20Final-Report-ENG%200.pdf)

LD in action:

Réseau francophone numérique

- Réseau francophone numérique
<http://www.rfnum.org>
 - Content can be exported in OAI-PMH
<http://oai.rfnum.org>
 - Has a SPARQL endpoint in RDF <http://data.rfnum.org>
- Other library-land content has been encoded using linked data, including Europeana (<http://www.europeana.eu/>)

Other noteworthy LD projects



<http://id.loc.gov/>

- The Linked Data Service provides access to commonly found standards and vocabularies promulgated by the Library of Congress.

[Hungarian National Library \(NSZL\) catalog](#)

- OPAC and Digital Library and the corresponding authority data as Linked Open Data.

[medline](#)

- RDF representation of the Medline catalog. Information about 19 million articles linked to <http://dx.doi.org/> with article identifiers and <http://crossref.org/> with journal identifiers.

[Sudoc bibliographic data](#)

- Sudoc is the French academic union catalog, maintained by ABES. It contains 10 million bibliographic records.

[Linked Data Service der Universitätsbibliothek Mannheim](#)

- Publishes RDF for a number of bibliographic resources: Bibliographic data of the Südwestdeutscher Bibliotheksverbund, Bibliographic data of the Hessisches Bibliotheksinformationssystem, and others.

For these and more: <http://www.w3.org/2005/Incubator/lld/XGR-lld-vocabdataset-20111025/>

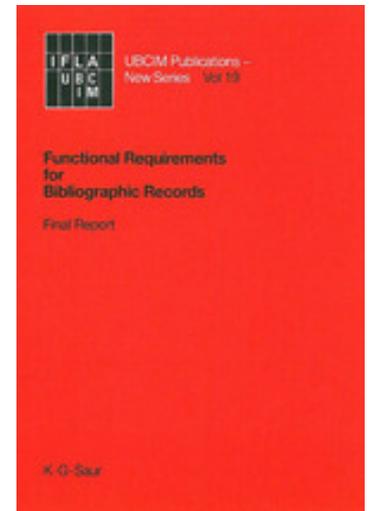


Linked data in libraries: implications for the future of cataloging

- Linked data focuses on relationships between discrete pieces of data, not between records
 - The benefits that linked data represents are incontestable:
 - making relationships in metadata explicit
 - using web-friendly markup
 - liberating libraries from their current data silos
- ...are all part of the appeal.

RDA

- The cataloging code has changed from AACR2, a code that was
 - Designed for the card catalog environment
 - Very interdependent on MARC in the electronic environment
 - MARC is an encoding schema, but parts of it overstep that boundary
- RDA is based on FRBR, a conceptual model that is ultimately very linked data friendly
 - FRBR was created well before the advent of linked data
 - Librarians have been ahead of the game for a while – now just to implement it!



BIBFRAME

- To allow for the new cataloging code, RDA, to function in a linked data environment:
 - Venerable MARC needs to be replaced
 - A linked data-friendly markup language/encoding schema needs to be developed
- LC first announced work on a replacement, now known as BIBFRAME, in spring 2011
 - First called the Bibliographic Framework Transition Initiative, now just Bibliographic Framework Initiative

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Library systems

- Changes must be made to library systems to accommodate linked data
 - Ideally, MARC-compatible integrated library systems need to be replaced
 - Data storage and retrieval need to be made possible in these new systems
 - This past year, we proposed a model where libraries would integrate linked data in the result set if the query was going to produce zero hits (Moulaison & Stanley, 2013)

An example: BIBFRAME Redis datastore (Colorado College)

- Tutt Library at Colorado College:
 - FRBR-Redis datastore begun pre-BIBFRAME
 - When the BIBFRAME draft was published, work revised to align with it
- In partnership with the University of Denver's Penrose Library, they are "prototyping a peer-to-peer BIBFRAME Datastore" in order "to test the usability of a shared BIBFRAME Redis-based union catalog with two institutions to prepare for scaling up to a consortium-level service."

And a dose of reality...

- Linked data, outside of libraries:
 - Is not being picked up by commercial enterprises (Jain, Hitzler, Janowicz, & Venkatramani, n.d.)
 - Remember schema.org?
 - Isn't curated/usable in the same way that library data is curated/usable
- Library standards and systems are not yet up to the task of linked data
 - ALCTS webinar of May 22, 2013



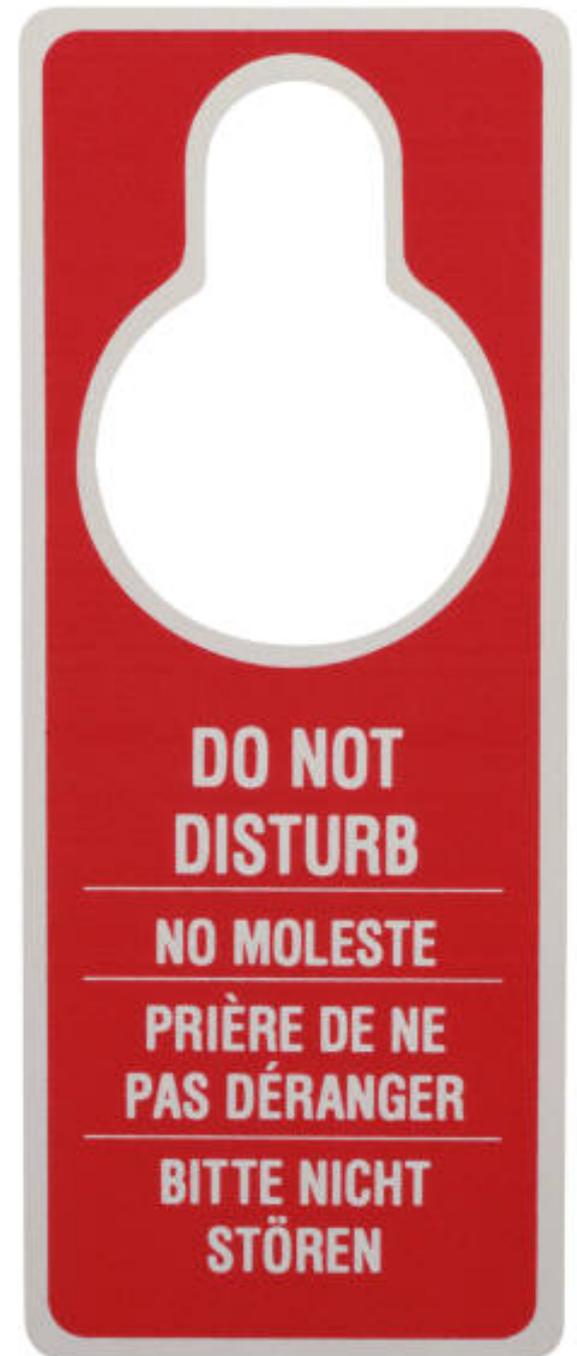
Jain, P., Hitzler, P., Janowicz, K., & Venkatramani, C. (n.d.) There's no money in linked data. Retrieved online:

<http://knoesis.wright.edu/faculty/pascal/pub/nomoneylod.pdf>

Libraries: Do not disturb?

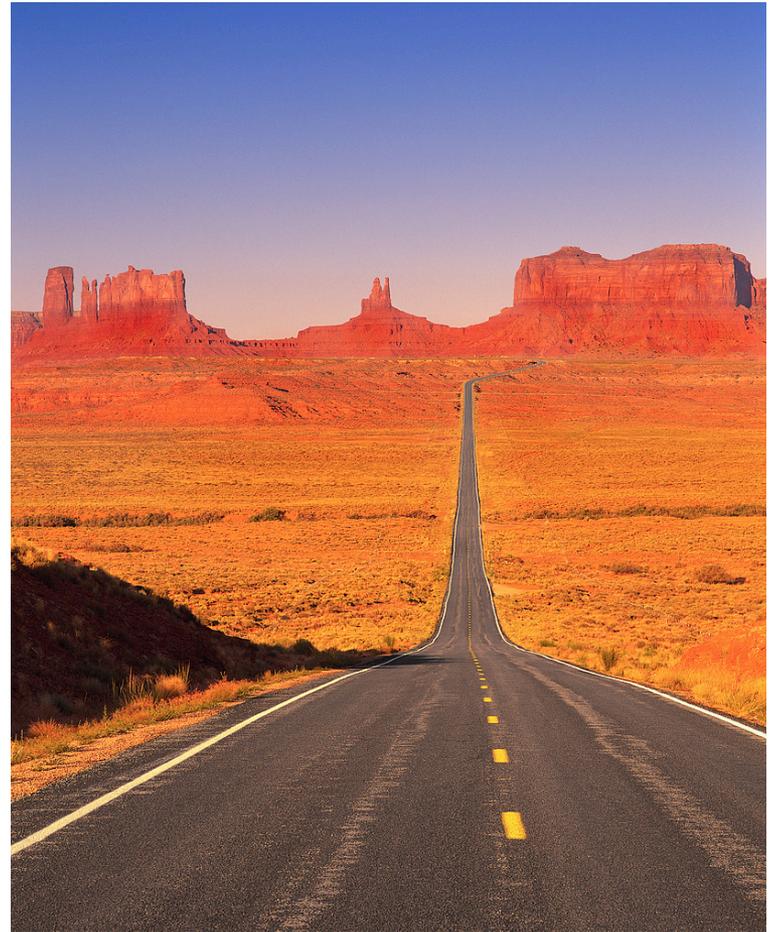
- Corrado (2013) asked:
 - Why do I want *my* library's data published as linked data?
 - Isn't it enough to have large datasets like OCLC WorldCat and vocabularies like LCSH/headings and VIAF as linked data?
 - Why make my data be linked?
 - Who even wants to link to *my* data?
 - How will my (local) patrons benefit?

Corrado, E. M. (2013). Personal communication.



Harnessing linked data in libraries as big data

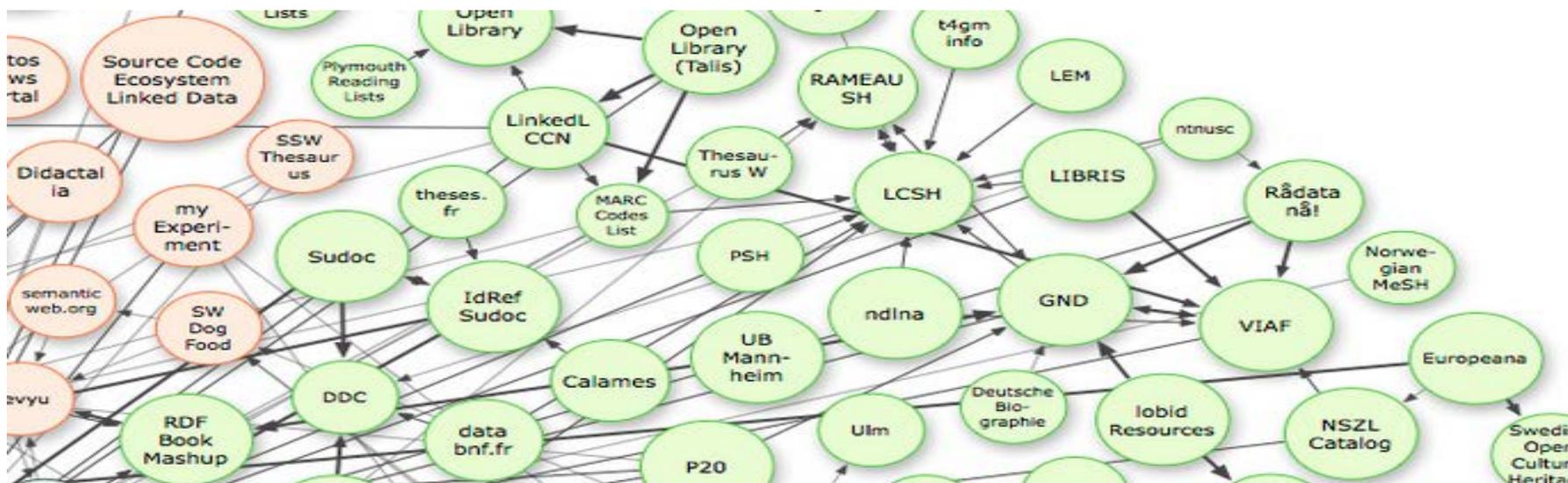
- Is a great idea
- Could permit the *discovery* of our dreams! (forget discovery services... we could just use the OPAC)
- Would be a way to integrate library data into some of the big data that's out there already...
- Is a long way from being implemented
 - Could even be superseded by another technology by the time it's ready





Shared Data

- New bibliographic framework
- Linked data
 - WorldCat in schema.org
 - WorldCat downloadable set
 - VIAF, Dewey, FAST



• OCLC Linked Data. <https://www.oclc.org/data.en.html>



OCLC's linked open data

- Faceted Application of Subject Terminology (FAST)
- Dewey Decimal Classification (DDC)
- Virtual International Authority File (VIAF)
- WorldCat.org/Schema.org
- Most widely held works in WorldCat (1.2 million records)

WorldCat: ODC-BY License

- Open Data Commons ODC-BY license
- Discussed at Global Council in April 2012
- Complements *WorldCat Rights and Responsibilities*
- Formal recommendation on 6 August 2012

Open Data Commons

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Today's Discussion Questions:

1. What 'big' data do we have in libraries?
2. Who has it and where is it?
3. How might we use it?
4. What are the challenges and issues in compiling and using it?
5. What are some possible solutions to the challenges?



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