







RAMP:

Repository Analytics and Metrics Portal

Accurately measuring use of institutional repositories

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OCLC RLP Meeting London, UK, March 8, 2017



Agenda

- 1. A New Reporting Model
- Accuracy of Analytics Reporting Tools
 Page Tagging
 Log file
 - 3. RAMP

New Prototype Web Service for IR reporting

A New Reporting Model

Page Type	Definition	Examples		
Citable Content Downloads	Non-HTML scholarly content that may be formally cited in the research process	Publication (.pdf)Presentation (.ppt)Data Sets (.csv)		
Item Summary	HTML pages to help user decide to download the full publication	Title & AbstractItem Metadata		
Ancillary	HTML pages that provide general information or navigation	Search ResultsBrowse by AuthorStatistics		



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DISCOVER

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Border, J. Kent. (1)

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2000 - 2017 (15)

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Undercounting

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Now showing items 1-10 of 23



Data set supporting study on Undercounting File Downloads from Institutional Repositories [dataset]

OBrien, Patrick; Arlitsch, Kenning; Sterman, Leila; Mixter, Jeff; Wheeler, Jonathan; Borda, Susan (Montana State University ScholarWorks, 2016-07)

Search term found in abstract:...This dataset supports the study published as "Undercounting File Downloads from IR". The following items are included: 1. gaEvent.zip = PDF exports of Google Analytics Events reports for each IR. 2. galtemSummarvPageViews.zip = PDF exports...



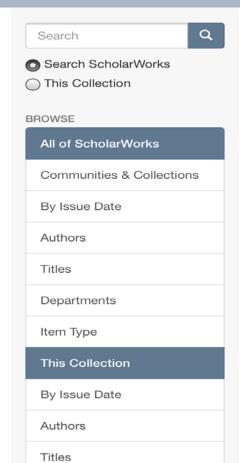
Undercounting File Downloads from Institutional Repositories

OBrien, Patrick; Arlitsch, Kenning; Sterman, Leila; Mixter, Jeff; Wheeler, Jonathan; Borda, Susan (Emerald, 2016-10)

A primary impact metric for institutional repositories (IR) is the number of file downloads, which are commonly measured through third-party web analytics software. Google Analytics, a free service used by most academic ... (Search term found in fulltext file)



↑ ScholarWorks Home / Scholarship & Research / Publications by Colleges and Departments (MSU- Bozeman) / Library / Scholarly Work - Library / View Item



Undercounting File Downloads from Institutional Repositories



View/Open

Preprint (833.8Kb)

Date

2016-10

Author

OBrien, Patrick Arlitsch, Kenning Sterman, Leila Mixter, Jeff Wheeler, Jonathan

Borda, Susan

A primary impact metric for institutional repositories (IR) is the number of file downloads, which are commonly measured through third-party web analytics software. Google Analytics, a free service used by most academic libraries, relies on HTML page tagging to log visitor activity on Google's servers. However, web aggregators such as Google Scholar link directly to high value content (usually PDF files), bypassing the HTML page and failing to register these direct access events. This paper presents evidence of a study of four institutions demonstrating that the majority of IR activity is not counted by page tagging web analytics software, and proposes a practical solution for significantly improving the reporting relevancy and accuracy of IR performance metrics using Google Analytics.

URI

http://scholarworks.montana.edu/xmlui/handle/1/9943

Related Material/Data

http://scholarworks.montana.edu/xmlui/handle/1/9939

Collections

Scholarly Work - Library



Undercounting File Downloads from Institutional Repositories

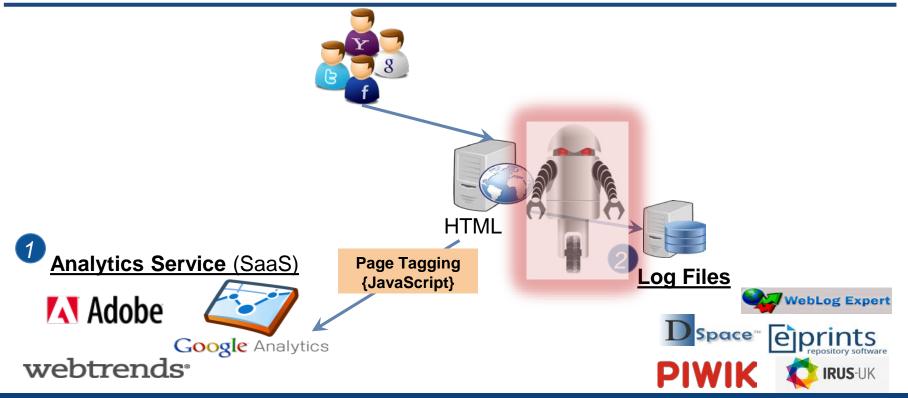
Patrick OBrien, Kenning Arlitsch, Leila Sterman, Jeff Mixter, Jonathan Wheeler, and Susan Borda

This is a preprint of an article that will appear in the Journal of Library Administration in October 2016.

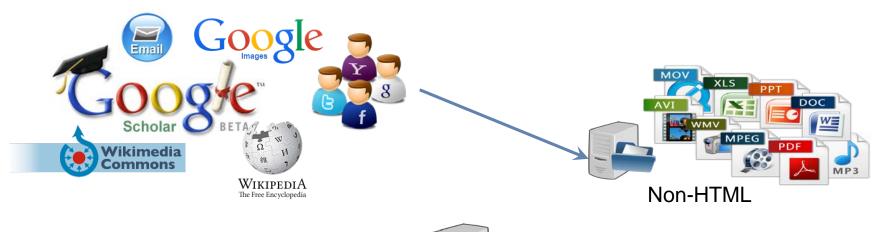
Journal of Library Administration

Accuracy of Analytics Reporting Tools

Two Classes of Web Analytics



Page Tagging does not track non-HTML CCD







Introducing the Getting Found Web Analytics Cookbook for Monitoring

Scholar

Articles

Introducing the Getting Found Web Analytics Cookbook for Monitoring Search **Engine Optimization of Digital Repositories** K Arlitsch, P OBrien - Qualitative and Quantitative 2015 - echolanworks montana adul

[PDF] montana.edu

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Kenning Arlitsch @kenning_msu

Kenning Arlitsch April 1 · 🎎 🔻

SEO Cookbook article finally got published.

Introducing the "Getting Found" Web Analytics Cookbook for Monitoring Search Engine Optimization...

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SEO Cookbook article co-author OBrien @sempob finally published - with

A new toolkit that helps libraries establish

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scholarworks.montana.edu/xmlui/handle/1...



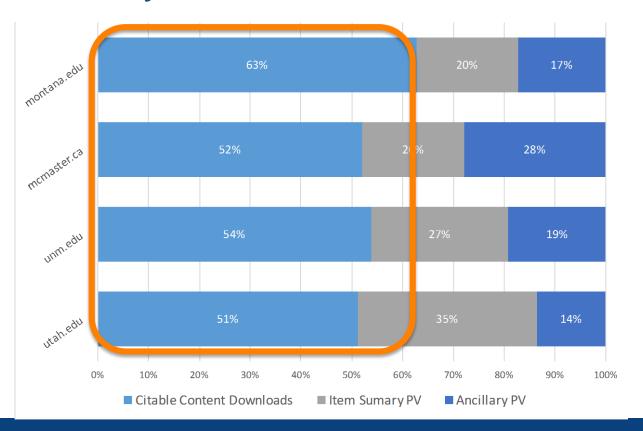
Google Analytics use in academic libraries

- Tested 279 academic library websites
 - ARL
 - DLF
 - OCLC-RLP
- 90% US libraries contained Google tracking code

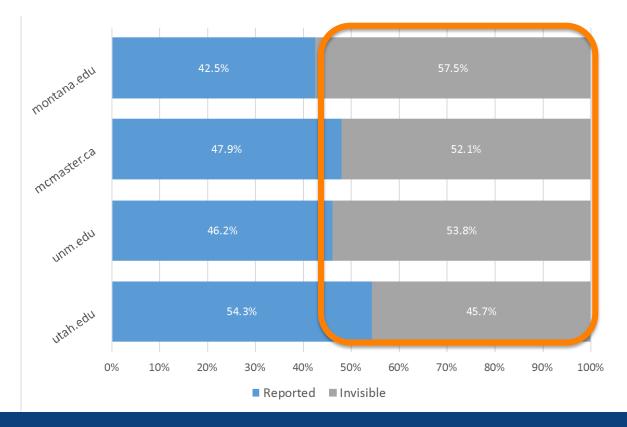
Data set: Jan 5 - May 17, 2016 (n = 134 days)

Study Participant	IR	Platform	URL
Montana State University	ScholarWorks	DSpace	scholarworks.montana.edu
McMaster University	MacSphere	DSpace	macsphere.mcmaster.ca
University of New Mexico	LoboVault	DSpace	repository.unm.edu
University of Utah	USpace	CONTENTdm	uspace.utah.edu

Most IR activity is Citable Content Downloads



Most IR Activity Unreported by Google Analytics



Page Tagging <u>does not</u> track non-HTML Citable Content Downloads



Does!

Non-HTML



Typical Page Tagging (GA) Data Types

Paga Typa	Analytics		
Page Type	Pages	Events	
Citable Content Downloads	-		
Item Summary	≪	-	
Ancillary	≪	-	

Montana Method Includes Google Search Console

Page Type	Anal	Search Console	
	Pages	Events	Search Analytics
Citable Content Downloads	-	≪	≪
Item Summary	≪	-	-
Ancillary	≪	-	-

GA Ancillary Page Views and Item Summary Page Views vs CCD

IR	Item Sumary PV	Ancillary PV	Total Google Analytics HTML PV	Download Events	Citable Content Downloads
scholarworks.montana.edu	26,735	23,350	50,085	7,129	77,380
macsphere.mcmaster.ca	51,150	71,585	122,735	n/a	133,342
repository.unm.edu	83,491	59,289	142,780	n/a	166,320
content.lib.utah.edu	122,927	47,569	170,496	19,226	159,536



All four IR using Google Analytics



Montana Method Challenges

- Missing non-Google direct link CCD events
 - Yahoo
 - Bing
 - Email
 - FB
- GSC limits time and access
 - Moving 90-day window
 - Granular data = programing skills to access API

RAMP: Repository Analytics & Metrics Portal

RAMP - Repository Analytics and Metrics Portal

- Cloud Web service
- Currently accessible and free
- No training or configuration required
- Consistent method and terminology
- Benchmarking across time and organization
- Request access mixterj@oclc.org

RAMP institutions as of March 3, 2017

Currently tracking over 86,000 digital items from 7 IR and capturing over 10,000 CCD per day that were previously invisible.



Search Here



Montana State University

ScholarWorks is an open access institutional repository for the capture of the intellectual work of Montana State University.



University of New Mexico

LoboVault is UNM's Institutional Repository. It hosts scholarly publications from UNM faculty, graduate student theses and dissertations. UNM administrative records, and more.



McMaster University

MacSphere is McMaster University's Institutional Repository (IR). MacSphere aims to bring together all of a University's research under one umbrella, in order to preserve and provide access to that research. The research and scholarly output included in MacSphere has been selected and deposited by the individual university departments and centres on campus.



Maryland MDSOAR

MD-SOAR is a shared digital repository platform for eleven colleges and universities in Maryland. It is jointly governed by all participating libraries, who have agreed to share policies and practices that are necessary and appropriate for the shared platform.



Maryland DRUM

The Digital Repository at the University of Maryland (DRUM) collects, preserves, and provides public access to the scholarly output of the university. Faculty and researchers can upload research products for rapid dissemination, global visibility and impact, and long-term



OAKTrust digital repository at Texas A&M

The OAKTrust digital repository at Texas A&M is a digital service that collects, preserves, and distributes the scholarly output of the University. The repository facilitates open access scholarly communication while preserving the scholarly legacy of the Texas A&M community.



Digital Collections of Colorado

The Digital Collections of Colorado is a digital service that collects, preserves and distributes digital material provided by a group of Colorado institutions for digital preservation and scholarly communication.



Michigan DeepBlue

Deep Blue is the University of Michigan's institutional repository service. It preserves and provides access to the research and creative work done by our faculty, staff, and students.

About the RAMP Portal

Montana State University, the Association of Research Libraries, the University of New Mexico, and OCLC Research have joined as partners to examine the difficulties that libraries face in producing accurate reports on the use of their digital recositories.









Repository Analytics & Metrics Portal

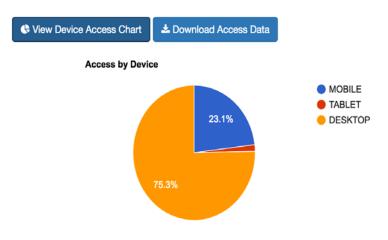


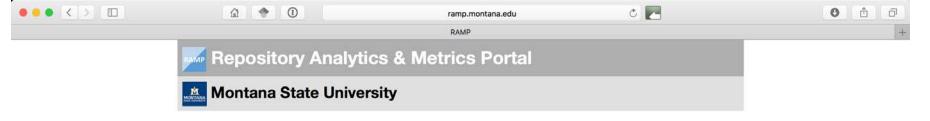
Montana State University

Access Data

Selected Date: Wednesday, January 11, 2017

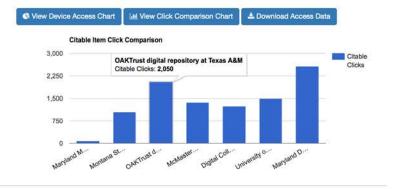
<	January 2017						
	Mon	Tue	Wed	Thu	Fri	Sat	Sun
52	26	27	28	29	30	31	01
1	02	03	04	05	06	07	08
2	09	10	11	12	13	14	15
3	16	17	18	19	20	21	22
4	23	24	25	26	27	28	29
5	30	31	01	02	03	04	05





Access Data





Settings

Sites to Analyze

http://scholarworks.montana.edu/ https://scholarworks.montana.edu/

Edit

Currently Logging: Yes

Stop logging

Publications

Published:

Patrick OBrien, Kenning Arlitsch, Leila Sterman, Jeff Mixter, Jonathan Wheeler, and Susan Borda. "Undercounting File Downloads from Institutional Repositories," *Journal of Library Administration*, vol. 56, no. 7, 2016

Forthcoming:

Patrick OBrien, Kenning Arlitsch, Leila Sterman, Jeff Mixter, Jonathan Wheeler. "RAMP: Repository Analytics and Metrics Portal: A Prototype Web Service that Accurately Counts Item Downloads from Institutional Repositories," *Library Hi Tech*, v35n1. March 2017

Proposal funded by IMLS:

"Measuring Up: Assessing Accuracy of Reported Use and Impact of Digital Repositories" - scholarworks.montana.edu/xmlui/handle/1/8924

Undercounting Research Team

Museum and Library
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