# Usage Analysis of a Public Website Reconstruction Tool

#### Frank McCown and Michael L. Nelson

Harding University
Computer Science
Department
Searcy, Arkansas, USA

Old Dominion University
Computer Science
Department
Norfolk, Virginia, USA



**JCDL 2008** 

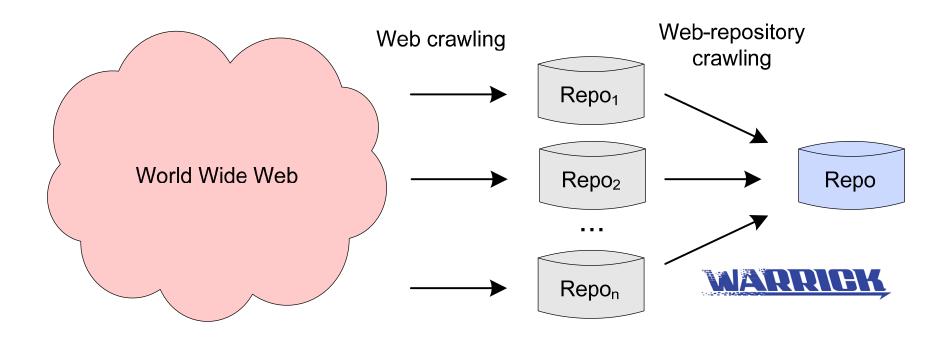
Pittsburgh, PA June 19, 2008

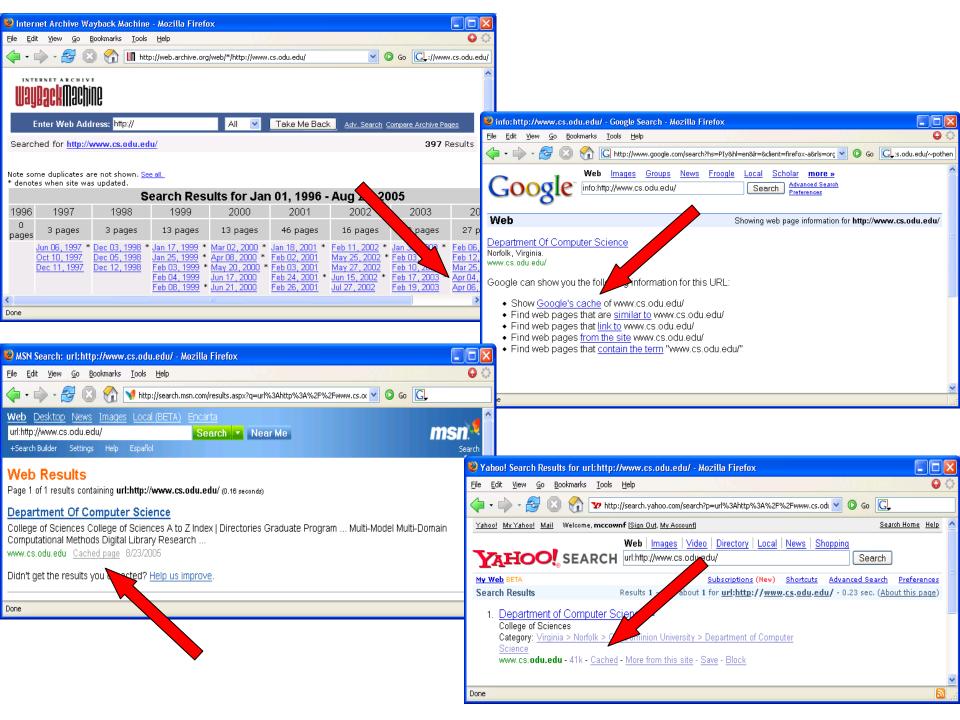


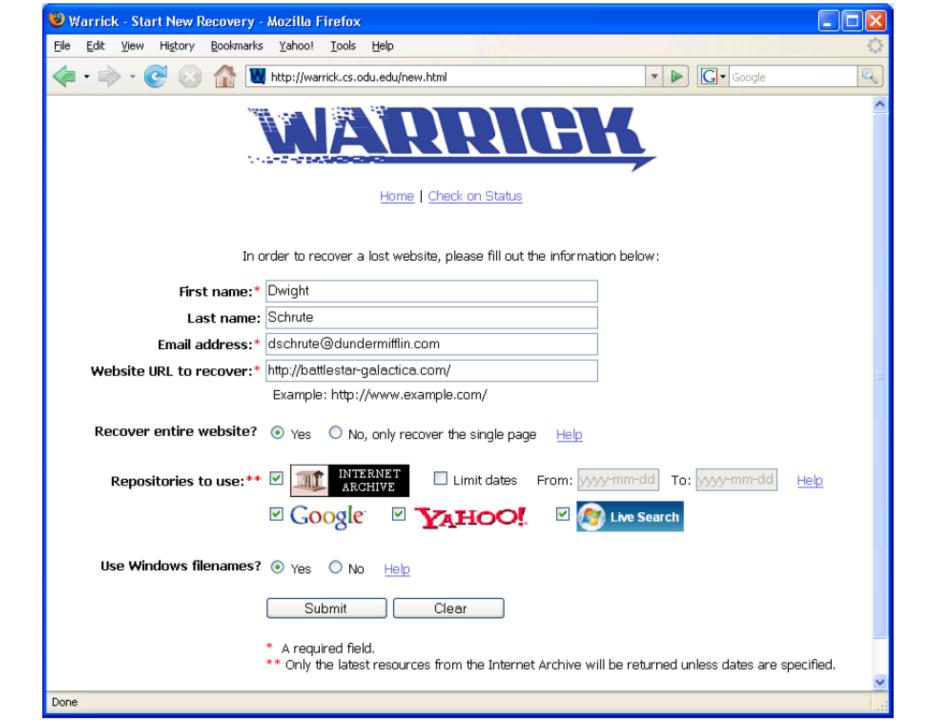




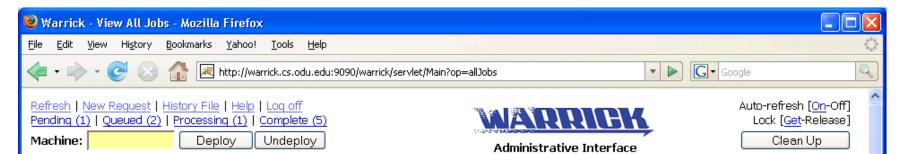
### Crawling the Crawlers











PENDING (1)			
Key	Info	Age	Actions
57c15552e1844513ae2a07aa06fa472b	Dwight Schrute [ <u>dschrute@dundermifflin.com</u> ] http://www.battlestargalactica.com/	O days, O hrs, 3 min	<<   <   >   >> <u>C</u>   <u>D</u>   S

<u>Top</u>

QUEUED (2)				
Key	Info	Age	Start Job on	Actions
ba318f4806e96746fffc4d2627c967a1	Michael Scarn [agentscarn@hotmail.com] http://www.magictricks.com/	O days, O hrs, O min	Free Machine Go	<u>&lt;&lt;</u>   <u>&lt;</u>   >   > > C   <u>D</u>   S
a64ba8a1b5a3cf48662b368a0885e56e	Sally White [ <u>swhite@qmail.com</u> ] http://www.test.com/	O days, O hrs, O min	Free Machine Go	<<   <   <u>&gt;   &gt;&gt;</u> C   <u>D</u>   S

Top

ı	PROCESSING (1)						
ı	Key	Info	Node	PID	Progress(%)	Age	Actions
	031bdf51a4c98959a1b7ec19978cc14c [Log File]	Becky McCown [ <u>beckymccown1@yahoo.com]</u> http://www.jcdl2007.org/	blanche-01.cs.odu.edu	3426	Proc: 35   Rec: 35   inQ: 37	0 days, 0 hrs, 3 min	<<   <   >   >> C   D   <u>S</u>

Top

COMPLETE (5)					
Key	Info	Age	URLs Recovered	Picked-up	Actions
<u>1566F4ddbbF9694F60d520226120aba7</u> <u>[Loq File]</u>	Frank McCown [fmccown@cs.odu.edu] http://www.harding.edu/comp/	6 days, 4 hrs, 19 min	1 of 1	2007-06-12 12:05:46	<<   <   >   >> C   <u>D</u>   S

Done

Table 1: Brass usage statistics from 2007.

Month	Completed Jobs	Resources Recovered
Jul	118	129,884
Aug	75	84,697
$\operatorname{Sep}$	140	191,186
$\operatorname{Oct}$	129	$146,\!336$
Nov	118	161,721
Dec	128	$125,\!294$
Average	118	139,853

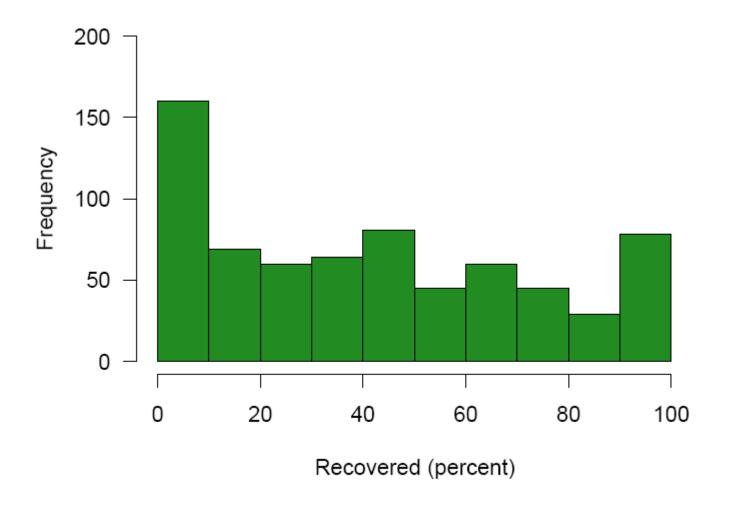


Figure 2: Distribution of websites by percentage of recovered resources.

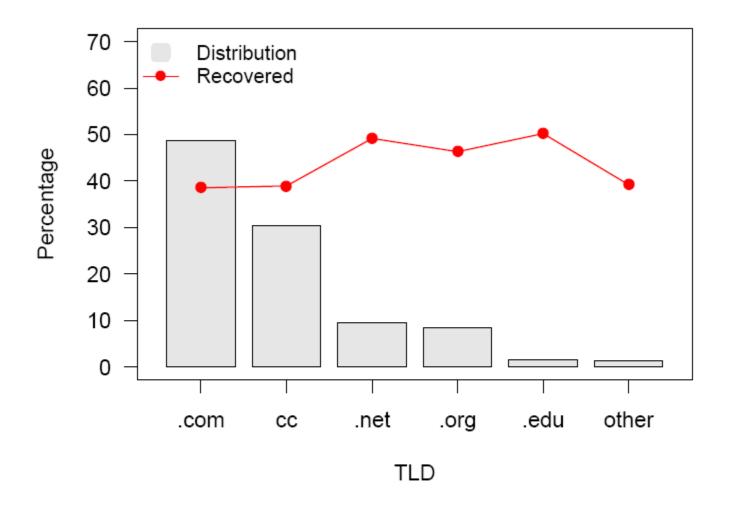


Figure 3: Brass recovered websites by TLD.

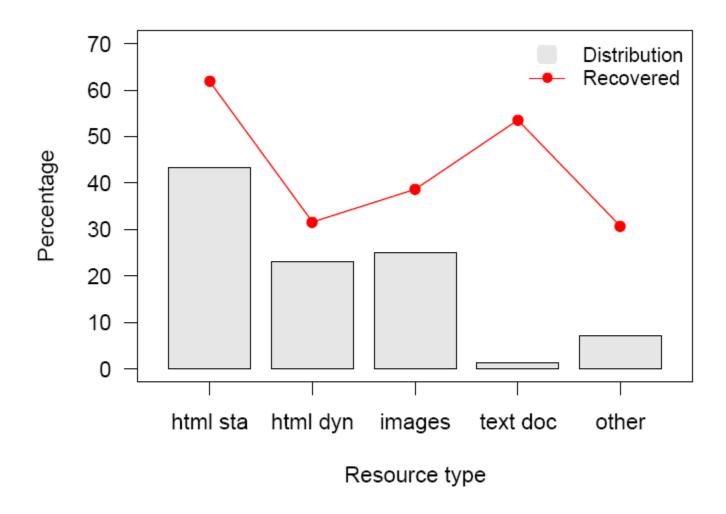


Figure 4: Brass recovered resources by type.

Table 3: Repository use, contributions and requests.

	Used in	Contribution	Requests per
	recons		recon (ave)
IA	99.3%	77.7%	2614.2
Google	96.0%	9.6%	1018.1
Live	94.9%	6.4%	660.9
Yahoo	95.1%	6.3%	881.0

## Summary

- 118 websites are recovered each month on average
- 84% of jobs have at least 1 recovered resource
- 41% of resources are recovered on average
- 62% of static HTML resources are recovered on average
- 78% of resources are recovered from Internet Archive
- Many .jp URLs are submitted, but few jobs are picked up – spam?

#### Thank You



One recovered website coming up...

Frank McCown fmccown@harding.edu

http://www.harding.edu/fmccown/