

Archive of SID

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(Liu, ۱۹۹۹)

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۱. Underlying search engines

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(Garman, ۱۹۹۹)

(Bazac, ۲۰۰۲)

Echo,)

Dogpile, Metacrawler (۱۹۹۸)

" " Savvysearch

(Liu, ۱۹۹۹)

(Sherman,

Dogpile, Excite (۲۰۰۲)

Metacrawler and Webcrawler

(Bradley, ۲۰۰۳)

Vivisimo Ixquick, Ezfind, Kartoo, Dogpile

Dogpile

(Sherman, ۲۰۰۰)

Surfwax Dogpile, Vivisimo, Kartoo, Mamma

(Bradley ۲۰۰۳)

Dogpile, Vivisimo and Kartoo

- ۱. Antidote
- ۲. Search engine of search engines
- ۳. The big four metasearch engines

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(Tomaiuolo,)

Metacrawler, Dogpile, InternetSleuth

Excite Altavista

Cyber

Altavista

Excite

(Dogpile,)

Askjeeves Google, Yahoo

Dogpile

(Repman and Carlson,)

1. Pittspurgh
2. Pennsylvania

Bytsearch, Mamma, Metacrawler, Profusion

Savvysearch

Cé, LISA
Savvysearch, Dogpile, GoNET, Ixquick Mamma, Profusion,
Surfwax Qbsearch,

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C

Savvysearch

- ١. Look
- ٢. Functionality

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Ez find	Vivisimo	Vroosh
Emailpinoy	Iboogie	Searchonline
Second	Metacrawler	InfoGrid
Myproowler	Ixquick	IcySpicy
Search	Profusion	Widow
Ithaki	Mamma	metasaerch
Pandia		Dogpile

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: Msn , Wisenut Google Yahoo,
IcySpicy second, Ez find, Widow, Infogrid

Internet History, Great Pyramid, Bill Clinton, Globalization,
Developing Countries+Information Technology

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+	+	+	-	+	-	+	Ez find
+	+	+	+	+	+	+	Vivisimo
+	+	+	+	+	+	+	Iboogie
+	+	-	+	+	+	+	Searchonline.info
+	+	-	-	+	-	+	Infogrid
+	+	-	+	+	+	+	second
+	+	+	+	+	+	+	Myproowler
+	+	-	-	+	+	+	Search
+	+	-	-	+	-	+	Ithaki.net
+	+	-	+	+	+	+	Pandia
+	+	-	-	-	-	+	Widow
+	+	+	+	+	+	+	metasearch
+	+	+	+	+	+	+	Profusion
+	+	-	+	+	+	+	Mamma
+	+	-	+	+	+	+	Dogpile
+	+	-	+	+	+	+	Metacrawler
+	+	+	+	+	+	+	Icyspicy
+	+	+	+	+	+	+	Ixquick

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+	+	-	+	-	+	+	Emailpinoy
+	+	-	+	+	+	+	Vroosh
(%)	(%)	(%)	(%)	(%)	(%)	(%)	

Vivisimo, Iboogie, Myproowler, Profusion,

Ixquick Metasearch, Icyspicy,
Widow

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(%)
(%)
(%)
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Dogpile Infogrid, Pandia
Profusion ()
Television Sport News

N=													
Ez find	+	+	-	-	+	-	+	-	-	+	-	-	+
Vivisimo	+	+	-	-	-	-	+	-	-	+	-	-	+
Iboogie	+	-	+	+	+	-	+	-	-	+	-	-	+
Searchonline.info	+	+	-	-	+	+	-	-	-	-	-	+	+
Infogrid	+	+	+	+	+	-	+	-	-	+	-	+	+
second	+	-	-	-	-	-	+	-	-	+	-	-	-
Myrowler	+	-	+	-	+	-	-	-	-	+	-	-	-
Search	+	-	-	-	-	-	-	-	-	-	-	-	-
Ithaki.net	+	+	+	-	+	-	-	-	-	-	-	-	+
Pandia	+	+	+	+	-	-	+	-	-	+	-	-	+
Widow	+	-	-	-	-	-	+	-	-	+	-	-	-
metasearch	+	-	-	-	-	-	-	-	-	-	-	-	-
Profusion	-	-	-	-	-	-	-	-	-	-	-	-	-
Mamma	+	+	-	-	+	-	+	-	-	+	-	-	-
Dogpile	+	+	+	+	+	+	-	-	-	-	+	+	+
Metacrawler	+	+	+	-	+	+	-	-	-	-	-	+	+
Icyspicy	++	-	-	-	-	-	-	-	-	-	-	-	-
Ixquick	+	+	+	-	+	-	+	-	-	+	-	-	-
Emailpinoy	+	+	-	-	-	-	+	-	-	-	-	-	-
Vroosh	+	-	+	-	-	-	-	-	-	+	-	-	+
	19 (90%)	11 (50%)	1 (5%)	1 (5%)	1 (5%)	1 (5%)	1 (5%)	1 (5%)	1 (5%)	1 (5%)	1 (5%)	1 (5%)	1 (5%)

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№					
Ezfind	-	+	+		
Vivisimo	-	-	+		
Iboogie	-	-	+		
Searchonline.info	-	-	+		
Infogrid	+	+	+		
\second	-	+	+		
Myproowler	-	+	+		
Search88	-	-	+		
Ithaki.net	+	+	+		
Pandia	+	+	+		
Widow	+	+	+		
Vmetasearch	-	-	+		
Profusion	+	-	+		
Mamma	-	+	+		
Dogpile	+	+	+		
Metacrawler	+	+	+		
Icyspicy	+	-	+		
Ixquick	-	-	+		
Emailpinoy	+	+	+		
Vroosh	+	+	+		
	(%)	(%)	(%)		—

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(%)

Pandia

(%)

(%)

(%)

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N =	(Adult filter)						
Ez find	+	+	-	+	-		
Vivisimo	+	+	-	-	+		
Iboogie	-	+	-	+	-		
Searchonline.info	+	+	-	-	+		
Infogrid	+	+	-	+	+		
second	-	+	-	-	+		
Myproowler	+	+	-	-	+		
Search	+	-	-	-	+		
Ithaki.net	-	+	+	-	+		
Pandia	+	-	-	-	+		
Widow	+	-	-	-	-		
metasearch	-	-	-	-	+		
Profusion	-	-	-	+	+		
Mamma	+	+	-	-	+		
Dogpile	+	+	-	+	+		
Metacrawler	+	+	-	+	+		
Icyspicy	+	-	-	-	-		
Ixquick	-	+	-	-	+		
Emailpinoy	+	+	-	-	-		
Vroosh	+	+	-	-	+		
	(%)	(%)	(%)	(%)	(%)	_____	_____

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(%)

Adult filter

(%)

(%)

N=						
Ez find						
Vivisimo						
Iboogie						
Searchonline.info						
Infogrid						
second						
Myproowler						
Search						
Ithaki.net						
Pandia						
Widow						
metasearch						
Profusion						
Mamma						
Dogpile						
Metacrawler						
Icyspicy						
Ixquick						
Emailpinoy						
Vroosh						

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Dogpile, Metacrawler, Ixquick, Mamma, Searchonline, Iboogie, Ez find

IcySpicy InfoGrid, Widow, Ezfind, Second
 Yahoo و Msn, Wisenut, Google

$$R_m = \frac{\sum_s \sum_k X_{msk}}{THs} \times 100$$

k

s^r

m

R_m

X_{msk}

- ١. Recall ratio
- ٢. Metasearch engine
- ٣. Search engine
- ٤. Keyword

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k
s
m

$X_{rs} = 1$

(Ezfind)

(Developing Countries...) (Wisnut)

THs^r

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(THs = RS × S × K): () ()

$R_r \times \times$ THs

(InfoGrid)

$$\begin{aligned}
 R_r &= \frac{1}{THs} [X_{r11} + X_{r1r} + X_{r1r} + X_{r1r} + X_{r1s} \\
 &\quad + X_{r11} + \dots + X_{r1s} \\
 &\quad + X_{r11} + \dots + X_{r1s} \\
 &\quad + X_{r11} + \dots + X_{r1s}] \times 100 \\
 &= \frac{1}{200} [3 + 3 + 1 + 4 + 1 \\
 &\quad + 3 + 4 + 3 + 6 + 0 \\
 &\quad + 4 + 6 + 1 + 3 + 3 \\
 &\quad + 4 + 4 + 3 + 4 + 1] \times 100 = \frac{61}{200} \times 100 = 0.305 \times 100 = 30.5\% \approx 31\%
 \end{aligned}$$

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- γ. Total hits in search engines
- γ. RS= Retrievals in search engines

Developing Countries +Information Technology (D)	Globalization (F)	Bill Clinton (Y)	Great Pyramid (Y)	Internet History (I)						
									Google ()	
									Yahoo ()	
									Wisnut ()	Widow ()
				Msn ()						
				Google						
				Yahoo						
				Wisnut	Ez find ()					
				Msn						
				Google						
				Yahoo						
				Wisnut	InfoGrid ()					
				Msn						
				Google						
				Yahoo						
				Wisnut	IcySpicy ()					
				Msn						
				Google						
				Yahoo						
				Wisnut	Second ()					
				Msn						

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Ez find

() IcySpicy () Widow () \Second
(THs)

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N=

Second	IcySpicy	InfoGrid	Ez find	Widow	
%	%	%	%	%	

Ez find \Second Widow IcySpicy InfoGrid

(%) Widow (%) \Second (%) Ez find

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InfoGrid IcySpicy

(Bottorff, ۲۰۰۵)

Ixquick و Vroosh

Mamma

Ithaki Mamma, Ixquick

InfoGrid Vroosh

۱. Algorithm

۲. Voting system

۳. Star system (Asterisk system)

۴. Available at: <http://ixquick.com/eng/aboutixquick/> (Viewed on ۲۰۰۵/۰۵/۱۵).

۵. Available at: <http://www.mamma.com/info/about.html> (Viewed on ۲۰۰۵/۰۵/۰۱).

۶. Available at: <http://help.ithaki.net> (Viewed on ۲۰۰۵/۰۶/۱۸).

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Ixquick

Mamma

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BlastFind

(Abernethy and Allen, ۲۰۰۴)

(Why is ...)

Profusion و Dogpile

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MSN	WISENUT	YAHOO	GOOGLE	
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/	/	/	/	

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(Bottorff, ۲۰۰۵)

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Ixquick

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(Bottorff, ۲۰۰۵)

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Abernethy and Allen (۲۰۰۴). "Activity: Using metasearch engines". [Available at]: <http://cs.furman.edu/digitaldomain/more/websearch/search/activity۴.htm>. (Viewed on ۲۰۰۵/۰۶/۱۸).

Barker, J (۲۰۰۴). "Meta-search engines". Teaching library internet workshops, University of California. [Available at]: lib.berkeley.edu/TeachingLib/Guides/Internet/Metasearch.html. (Viewed on ۲۰۰۵/۰۵/۲۰).

Bazac, Daniel (۲۰۰۲). "The meta search engines: A web searcher's best friends". [Available at]: www.llrx.com/features/metasearch.htm. (Viewed on ۲۰۰۵/۰۵/۲۰).

Botluk, Diana (۲۰۰۴). "Power searching on the web". [Available at]: websearchschool.com/powersearching (Viewed on ۲۰۰۵/۰۵/۲۰).

Bottorff, Steve (۲۰۰۵). "Steve's guide to Internet search tools". [Available at]: <http://users.ameritech.net/internet/search.htm> (Viewed on ۲۰۰۵/۰۵/۲۰).

Bradely, Phi (۲۰۰۲). "Multi-search engines-a comparison". [Available at]: www.philb.com/msengine.htm (Viewed on ۲۰۰۵/۰۵/۲۰).

Dogpile (۲۰۰۵). "Missing pieces: A study of first page web search engine results overlap". [Available at]: <http://missingpieces.dogpile.com/WhitePaper.pdf> (Viewed on ۲۰۰۵/۰۵/۲۰).

Echo, Glen (۱۹۹۸). "How they work: The metasearch engines: Covering the waterfront". [Available at]: <http://www.editors-service.com/> (Viewed on ۲۰۰۵/۰۵/۲۰).

Garman, Nancy (۱۹۹۹). "Meta search engines". [Available at]: www.onlinemag.net/OL۱۹۹۹/garman۵.html (Viewed on ۲۰۰۵/۰۱/۱۲).

Li, Zheng and Wang, Yuangiong and Oria, Vincent (۲۰۰۱). "A new architecture for web meta-search engines. Vth American Conference on Information Systems". [Available at]: web.njit.edu/~zx1۸۰۷۸/Publication/BB۰۴۰.PDF (Viewed on ۲۰۰۵/۰۵/۲۰).

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Liu, Jian (۱۹۹۹). "Guide to meta - search engines". [Available at]: www.indiana.edu/~librcsd/search/meta.html. (Viewed on ۲۰۰۵/ ۰۵/ ۲۰).

Repman, Judi and Carlson, Randal D. (۱۹۹۹). "Surviving the storm: Using etasearch engines effectively". [Available at]: www.infotoday.com/

[climag/may ۹۹ / repman+carlson.htm](http://www.infotoday.com/climag/may۹۹/repman+carlson.htm)

(Viewed on ۲۰۰۴/ ۱۲/ ۲۲).

Sherman, Chris (۲۰۰۵). "Metacrawlers and metasearch engines". [Available at]:

<http://searchenginewatch.com/links/article.php/۲۱۵۶۲۴۱>

(Viewed on ۲۰۰۵/ ۰۵/ ۲۰).

Sherman, Chris (۲۰۰۶). "The big four metasearch engines". [Available at]: <http://searchenginewatch.com/searchday/article.php/۲۱۶۰۷۸۱>.

(Viewed on ۲۰۰۵/ ۰۵/ ۲۰).

Sullivan, Danny (۲۰۰۱). "Search engines and capitalization". [Available at]:

searchenginewatch.com/webmasters/article.php/۲۱۶۷۸۵۱ (Viewed on ۲۰۰۵/ ۰۵/ ۲۰).

"Why is BlastFind the best?" (۲۰۰۳). [Available at]:

<http://www.blastfind.com/why.php> (Viewed on ۲۰۰۵/ ۰۶/ ۱۸).

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