What Millions of People Are Doing Online and Why it Matters

Web Manager University
April 7, 2009





Agenda

- Click: Seasonality, Arbitration and Brand
- Government Websites, a Landscape Overview
- Search Term Analysis
- Clickstream and Performance Benchmarks
- Dynamic Demographics and Lifestyle
- Building an Online Persona for Website Constituency



"To become aware of the possibility of the search is to be onto something."

- Walker Percy



Hitwise Sample

25 Million Internet Users (Worldwide)

10 Million Internet Users (U.S.)

1 Million Websites

172 Industry Categories

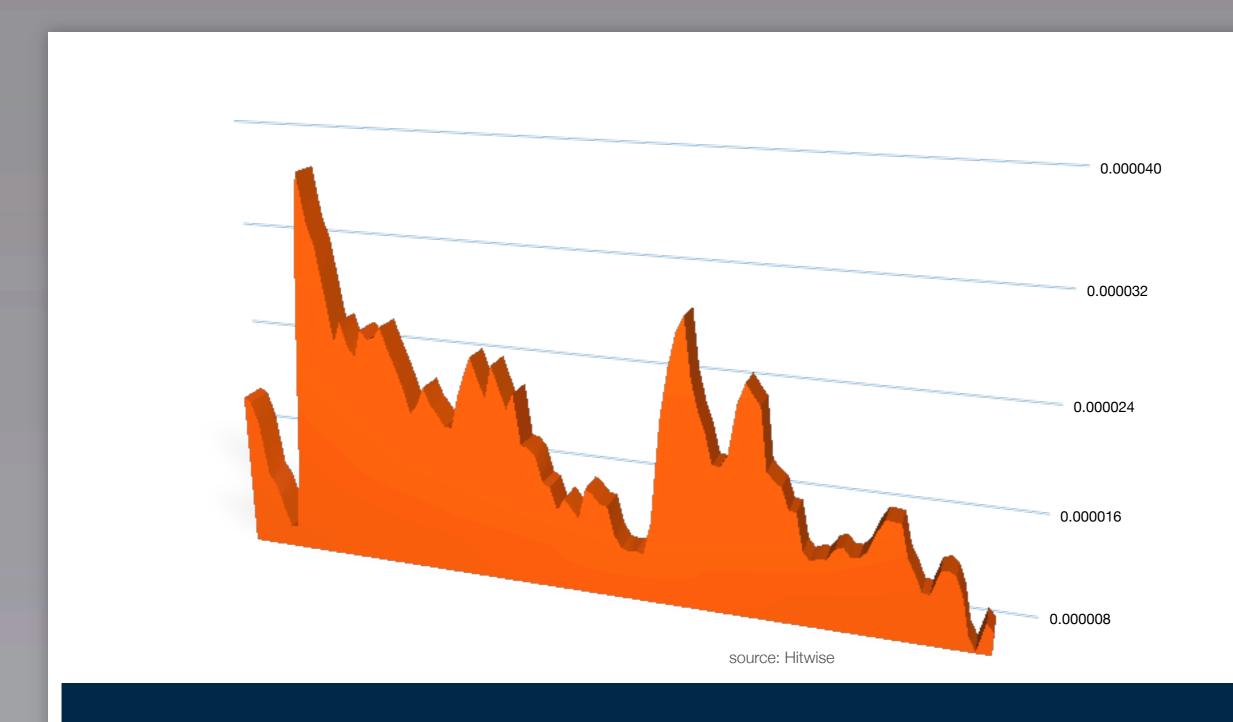
Millions of Search Terms Per Month

Monthly, Weekly and Daily



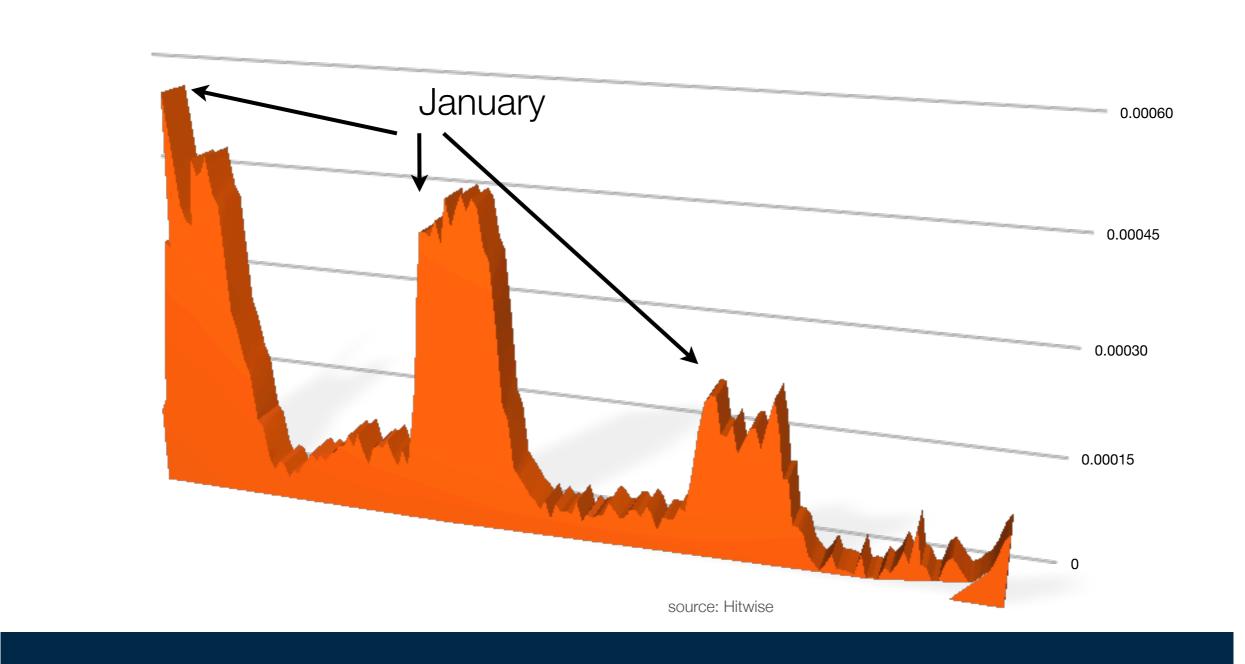
Mystery Searches, Prom Dresses and the Ultimatum Theory





Uncovering Seasonality





Prom Dress Obsession

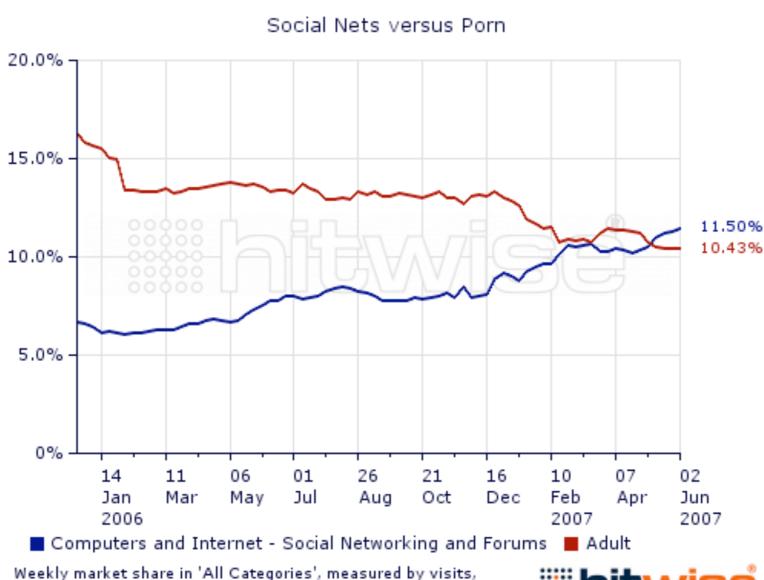


Power of Observed Behavior

- Marketers Often Rely on Gut Instinct or Outdated Research
- Search Term Data is a Valuable Proxy for Timing Consumer Interest
- Engagement RingPhenomenon and MarketInefficiencies







Weekly market share in 'All Categories', measured by visits, based on US usage.

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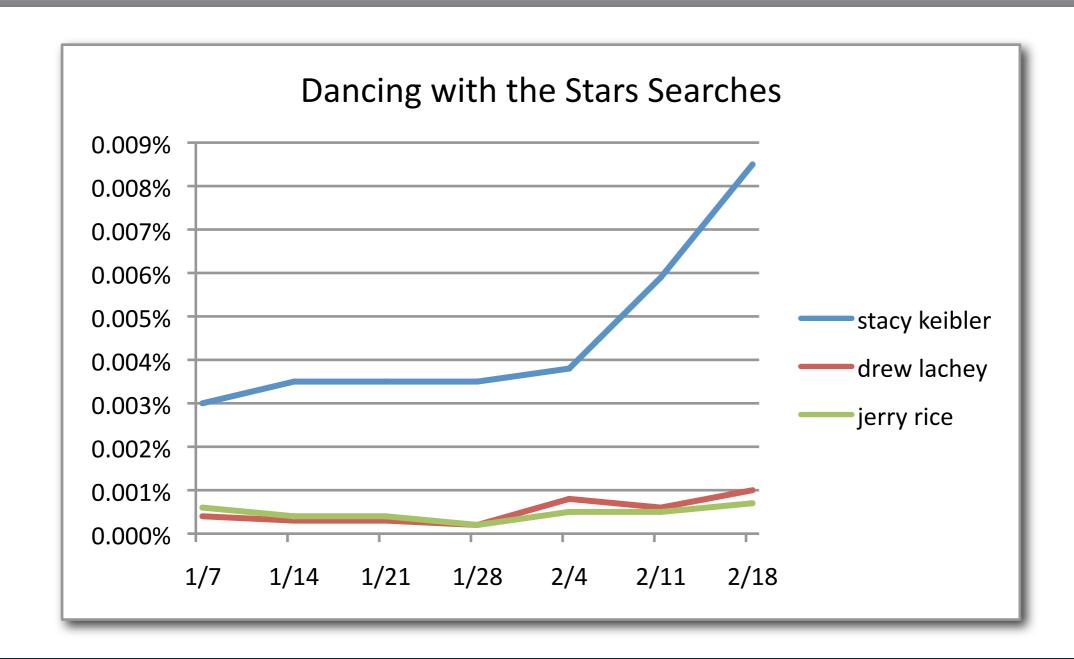


Is the Internet 99.95% Porn Free?



Women Wrestlers, Economic Predictions and The Narrative Fallacy





Dancing with the Stars



lying 1 to 10 of 489 search terms. Click Here to see more suggestions.

	Search Term	Volume	Success Rat	te
l.	stacy keibler	58.60%	83.60%	
2.	stacy keibler pics	6.18%	92.93%	
3.	stacy keibler photos	2.55%	92.11%	
4.	stacy keibler hot	2.38%	59.15%	
5.	stacy keibler hot photos	1.07%	87.50%	
j.	stacy keibler pictures	1.01%	96.67%	
7.	"stacy keibler"	0.95%	89.42%	
3.	stacy keibler boyfriend	0.87%	92.31%	
).	stacy keibler stuff	0.60%	94.44%	
0	eta er kalblar alaubar	0.5704	04 1306	

DWTS - The Postmortem Analysis



Websites that received traffic from 'stacy keibler'

Displaying 1 to 10 of 244 websites. Click Here to see more websites.

	Website	Volume	
1.	World Wrestling Entertainment	13.63%	
2.	Official Women of Wrestling	12.32%	
3.	AskMen.com	6.80%	
4.	The Internet Movie Database	5.75%	
5.	Yahoo!	4.84%	
6.	www.moviespoint.com	4.05%	
7.	www.stacymariekeibler.com	3.43%	
8.	Moono.com	3.19%	
9.	ABC	2.54%	
10.	Wikipedia	2.51%	

= Male 25-34 Year-Olds

Postmortem - Part II



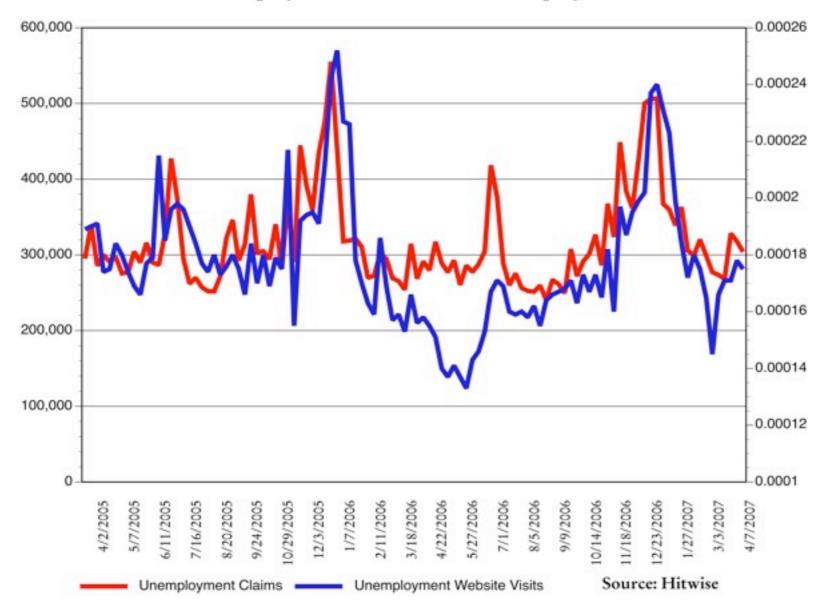
The Stacy
Keibler
Correction
Coefficient
(SKCC)



The Stacy Keibler Correction Coefficient (SKCC)







Applying DWTS to the Economy



Government Websites, The Online Landscape and Seasonality



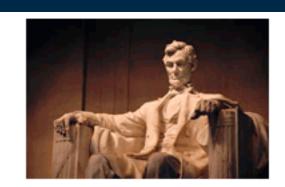


View Industry Statistics

This category includes all national government websites.

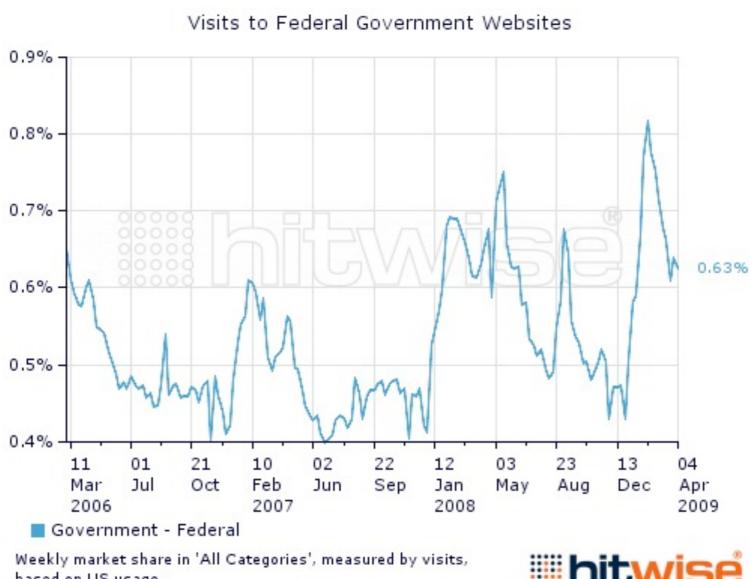
Total websites that ranked with currently selected options: 1,129 Category Contribution Percentage: 0.63%

There are **73,395** Search Terms that drove traffic to this category over the **4 weeks** ending **04/04/2009**. <u>View Search Terms</u>.



Rank	Website - [Show domain]	Related	Market Share
1.	Internal Revenue Service	F	17.87%
2.	USAJOBS	F	4.65%
3.	FAFSA (Free Application for Federal Student Aid)	P	4.34%
4.	Social Security Administration	F	4.18%
5.	NOAA - National Weather Service	P	3.38%
6.	National Weather Service - Central Region Headquarters	F	1.61%
7.	Thrift Savings Plan	P	1.51%
8.	US Citizenship and Immigration Services	F	1.48%
9.	National Park Service	P	1.47%
10.	United States National Library of Medicine	F	1.44%
11.	US Department of Housing and Urban Development	P	1.42%
12.	Federal Student Aid PIN	F	1.34%
13.	Bureau of Consular Affairs	D	1.26%
14.	USA.gov	F	1.09%
15.	Centers for Disease Control and Prevention	D	1.08%
16.	SafeLink Wireless	F	1.07%
17.	Army Knowledge Online	D	1.04%
18.	Voice of America	F	1.03%
19.	National Weather Service - Southern Region Headquarters	D	1.03%
20.	TV Converter Box Coupon Program	F	0.99%





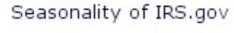
based on US usage.

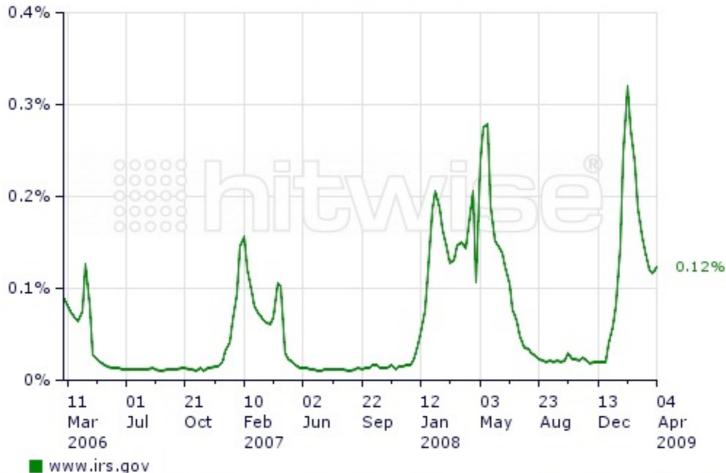
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Federal Government Seasonality







Weekly market share in 'All Categories', measured by visits, based on US usage.

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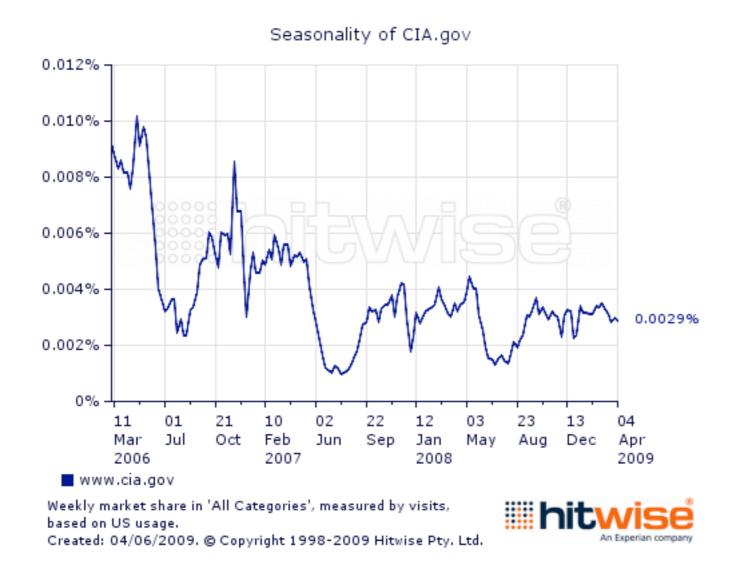
Pulling Out IRS.gov



The Search for a Tax Stimulus Check

	Search Terms (7,032 returned)	Clicks ▼
1	irs	16.56%
2	irs.gov	11.57%
3	www.irs.gov	7.92%
4	internal revenue service	1.95%
5	irs.com	1.88%
6	irs forms	1.72%
7	stimulus checks	1.24%
8	www.irs.com	1.00%
9	irs tax forms	0.85%
10	irs refund	0.81%
11	irs rebate checks	0.80%
12	irs website	0.68%
13	tax forms	0.67%
14	irs gov	0.65%
15	stimulus package	0.57%
16	stimulus payment	0.55%
17	www.irs.gov.	0.50%
18	stimulus check	0.43%
19	irs rebate	0.42%
20	economic stimulus package	0.41%
21	tax rebate	0.40%
22	irs.gov forms	0.39%
23	economic stimulus checks	0.35%
24	economic stimulus	0.34%
25	irs stimulus checks	0.34%



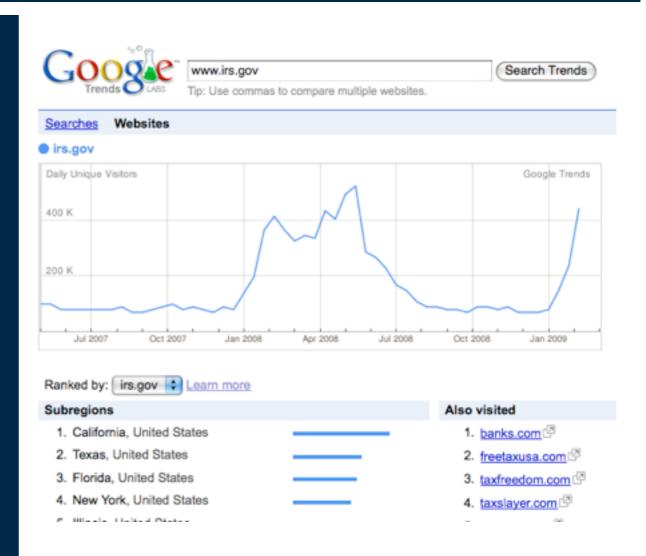


The CIA and the School Year Calendar



Finding Your Own Seasonality

- Use Hitwise or free tool to identify trends
- Start with your own sitecentric data
- Turn to 3rd party data to understand seasonality of competitive substitutes.





Clickstream and Benchmarking Traffic Acquisition





The following report shows the most popular upstream and downstream websites for the 'www.nih.gov' website for the week ending 04/04/2009.

Upstream - websites visited before National Institutes 🍆 Downstream - websites visited after National of Health

Institutes of Health

Displaying results 1 to 20 of 40 websites.

Displaying results 1 to 20 of 24 websites.

	Rank	Website	Related	Upstream Share			Rank	Website	Related	Downstream Share
	1.	Google	▶	29.91%		∇	1.	National Institutes of Hei	F	18.97%
\Box	2.	GoodSearch.com	Þ	4.80%	\Box	≙	2.	United States National Li	Þ	12.33%
	3.	Allpsych.com	•	4.40%		$\stackrel{\triangle}{=}$	3.	National Institute of Neu	▶	8.76%
	4.	United States National Li	Þ	4.06%		슾	4.	National Institute of Men	Þ	6.48%
	5.	Yahoo!	•	3.76%		$\stackrel{\triangle}{=}$	5.	Boston Globe	P	5.97%
\Box	6.	George Washington Univ	Þ	3.27%		∇	6.	www.jobs.nih.gov	Þ	5.03%
	7.	consensus.nlh.gov	•	3.20%		₩	7.	grants.nih.gov	P	4.54%
	8.	National Center for Biote	▶	2.90%		⇔	8.	NIH Senior Health	Þ	4.37%
	9.	Dogpile	•	2.87%		쇼	9.	Agame	Þ.	3.99%
\Box	10.	Yahoo! Mail	▶	2.56%		$\stackrel{\triangle}{=}$	10.	as.intereconomia.com	Þ	3.58%
	11.	Facebook	•	2.38%		쇼	11.	National Center for Biote	▶	2.82%
	12.	My Yahoo!	Þ	2.24%		⇔	12.	National Cancer Institute	Þ	2.82%
	13.	www.customizerx.com	▶	2.20%		쇼	13.	mail.nih.gov	▶	2.82%
\Box	14.	National Center for Comp	Þ	2.20%		≙	14.	World Journal	Þ	2.74%
	15.	Bank of America Online E	•	2.20%		≙	15.	National Resource Center	▶	2.74%
	16.	www.health.gov	Þ	2.20%		会	16.	BBC News	Þ	2.58%
	17.	www.edc.gsph.pitt.edu	•	2.20%		$\stackrel{\triangle}{=}$	17.	HACC - Central Pennsylv	▶	2.41%
\Box	18.	AOL Health	Þ	2.07%		쇼	18.	Yahoo!	Þ	2.09%
	19.	National Diabetes Inform	•	1.94%		$\stackrel{\triangle}{=}$	19.	Yahoo! Image Search	P	1.85%
\Box	20.	Blackle	▶	1.94%		$\stackrel{\triangle}{=}$	20.	report.nih.gov	Þ	1.67%

Traffic Acquisition Benchmarks

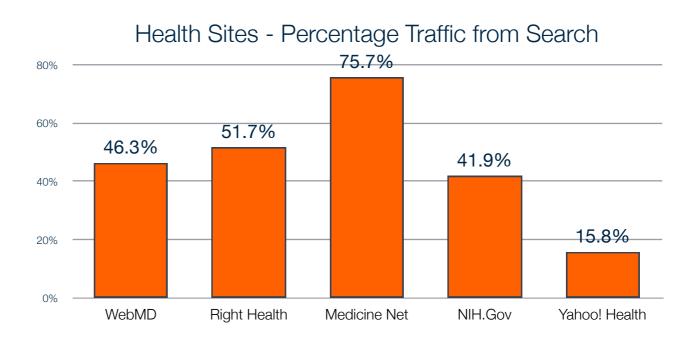




Upstream - industries visited before National Institutes of Health

Displaying results 1 to 26 of 26 industries.





Traffic Acquisition Benchmarks





Downstream - industries visited after National Institutes of Health

Displaying results 1 to 20 of 20 industries.

Industry	Downstream Share
Health and Medical	60.01%
- Research	30.75%
- Organizations	18.42%
- Information	4.73%
- Hospitals	2.74%
Government	57.45%
- Federal	57.09%
News and Media	11.29%
- Print	8.71%
- Community Directories and Guides	5.97%
- Broadcast Media	2.58%
Entertainment	4.35%
Computers and Internet	3.94%
Education	2.41%



Downstream - websites visited after National Institutes of Health

The 'National Institutes of Health' website delivered '60.01%' of its traffic to websites in the 'Health and Medical' industry for the week ending 04/04/2009. This was 58.16% above the average traffic delivered to the 'Health and Medical' industry (1.85%) by the 'Government' industry.

Displaying results 1 to 10 of 10 websites.

	Rank	Website	Related	Downstream Share
	1.	National Institutes of Hei	•	18.97%
\Box	2.	United States National Li	•	12.33%
	3.	National Institute of Neu	•	8.76%
\Box	4.	National Institute of Men	•	6.48%
	5.	NIH Senior Health	•	4.37%
\Box	6.	National Center for Biote	•	2.82%
	7.	National Cancer Institute	•	2.82%
\Box	8.	National Resource Center	▶	2.74%
	9.	ClinicalTrials.gov	•	0.36%
	10.	niaid.nih.gov	F	0.36%

Insight From Traffic Departure





Downstream - industries visited after Food and Drug Administration

Displaying results 1 to 123 of 123 industries.

		Industry	Downstream Share
$\overline{}$	+	Computers and Internet	24.27%
\triangle	•	Health and Medical	21.20%
\triangle	±	Government	19.85%
∇	+	Food and Beverage	8.29%
\triangle	+	Business and Finance	7.53%
∇	•	Shopping and Classifieds	6.67%
∇	+	Entertainment	6.33%
∇	+	News and Media	5.95%
\triangle	+	Lifestyle	5.25%
\triangle	•	Education	4.77%
	+	Travel	1.08%
$\stackrel{\triangle}{=}$	+	Community	0.54%
$\stackrel{\triangle}{=}$	+	Aviation	0.36%
\forall	•	Sports	0.34%
$\stackrel{\triangle}{=}$	+	Music	0.22%
\rightleftharpoons	+	Gambling	0.16%
\forall	+	Automotive	0.02%



Downstream - websites visited after Food and Drug Administration

The 'Food and Drug Administration' website delivered '8.29%' of its traffic to websites in the 'Food and Beverage' industry for the month of March, 2009. This was 11.16% below the average traffic delivered to the 'Food and Beverage' industry (19.45%) by the 'Food and Beverage' industry.

Displaying results 1 to 17 of 17 websites.

	Rank	Website	Related	Downstream Share
	1.	Center for Food Safety aı	•	6.30%
\Box	2.	United States Departmer	F	0.40%
	3.	FDA.com	•	0.25%
\Box	4.	Horizon Organic	F	0.17%
	5.	Kraft Foods USA	•	0.16%
\Box	6.	Skippy Peanut Butter	•	0.16%
	7.	Planters	•	0.16%
\Box	8.	US Soyfoods Directory	▶	0.14%
	9.	Mars - Petcare	•	0.14%
\Box	10.	General Mills	•	0.11%
	11.	Food Lion	•	0.11%
\Box	12.	Wild World of Wonka	▶	0.08%
	13.	Food, Nutrition, and Con:	•	0.02%
$ \boxminus $	14.	All Recipes	F	0.02%
	15.	Nutro Products	•	0.02%
\Box \Leftrightarrow	16.	Natures Path	F	0.02%
	17.	Menu Foods Income Funt	•	0.02%

Insight From Traffic Departure



Analyzing Inbound and Outbound Traffic

- Traffic source data can provide many insights regarding user intent before and after reaching site
- Downstream sites might reveal sites that function as competitive substitutes
- Notice how traffic sources and departures also vary seasonally





Search Term Data -Ultimate Consumer Insight



Search Terms driving traffic to US Department of Housing and Urban Development

4 weeks ending April 4, 2009

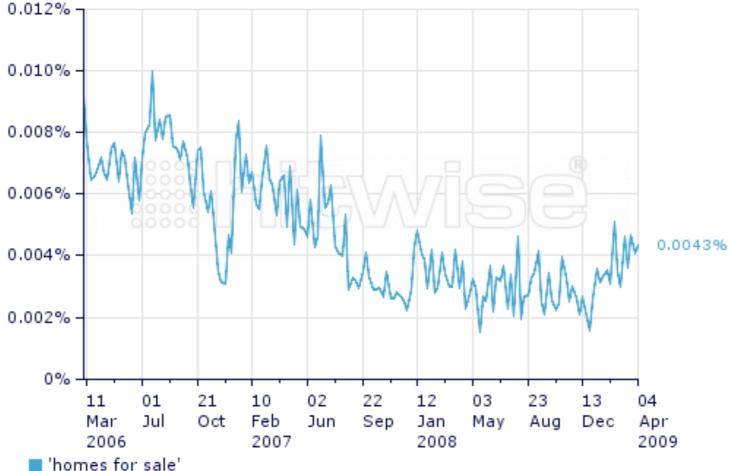
		Portfolio 1	▼ Chart ▼ X Export ▼
	Search Terms (1,531 returned)	Clicks ▼	Paid:Organic Rate
□ 1	hud	6.45%	0.00%
_ 2	hud.gov	3.31%	0.60% 99.40%
3	hud homes	2.90%	0.00% 100.00%
_ 4	fha	1.46%	0.00%
□ 5	hud homes for sale	1.34%	0.00% 100.00%
□ 6	homes for sale	1.19%	0.00%
7	section 8	1.12%	0.00% 100.00%
8	www.hud.gov	1.05%	2.27% 97.73%
9	fha loans	1.03%	3.13% 96.87%
10	hud housing	0.73%	0.00%
11	section 8 housing	0.68%	0.00%
12	foreclosed homes for sale	0.67%	10.50% 89.50%
13	loan modification	0.62%	0.00%
_ 14	hud foreclosures	0.55%	0.00%
15	foreclosure help	0.55%	0.00%
16	first time home buyers	0.55%	0.00%
17	hud house	0.48%	N/A
18	low income apartments	0.41%	0.00%
19	first time home buyer programs	0.37%	0.00% 100.00%
20	affordable housing	0.37%	0.00%

Top Search Terms HUD.Gov

Poutfolio W Michael W Funget W







Weekly search term share of traffic to 'All Categories', based on US usage.

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Top Search Terms HUD.Gov



Websites receiving traffic from the search term homes for sale

4 weeks ending April 4, 2009

		☐ Custom ▼	Chart ▼ X Export ▼
	Websites (84 returned)	Clicks ▼	Paid:Organic Rate
□ 1	Realtor.com	22.39%	0.79% 99.21%
□ 2	Google Maps	12.58%	0.52% 99.48%
□ 3	Homes.com	12.50%	1.10% 98.90%
□ 4	RE/MAX Real Estate	8.84%	97.78% 2.22%
5	RealEstate.com	7.14%	38.43% 61.57%
□ 6	US Department of Housing and Urban Development	6.97%	0.00%
□ 7	Foreclosure Store	2.45%	0.00%
□ 8	HarmonHomes.com	2.25%	0.00%
□ 9	HouseHunt.com	1.38%	0.00%
□ 10	Coldwell Banker Real Estate	1.35%	0.00%

"Homes for Sale"



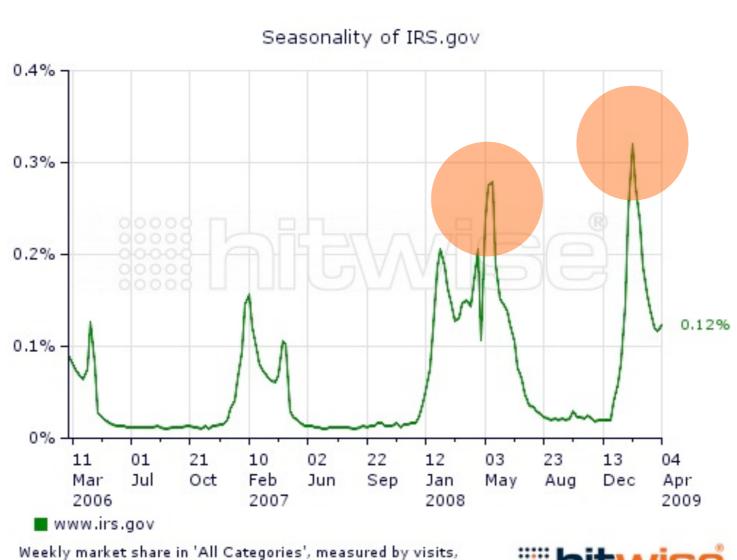
Search Term Data

- Search term lists provide insight into sought content before arriving on website
- Search logs are the place to start
- Competitive search term data can help you understand where searchers proceed to after executing search



Dynamic Demographics and Building the Online Persona





Weekly market share in 'All Categories', measured by visits, based on US usage.

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Back to Taxes



Household Income of visitors to Internal Revenue Service

4 weeks ending June 7, 2008, compared with February 28, 2009

	Household Income (5 returned)	Visits 06/07/2008	Visits 02/28/2009	Representation ▼
□ 1	> \$150,000	5.93%	3.10%	191
_ 2	< \$30,000	27.53%	23.08%	119
□ 3	\$100,000 - \$149,999	11.19%	10.83%	103
_ 4	\$30,000 - \$59,999	33.46%	36.65%	91
□ 5	\$60,000 - \$99,999	21.88%	26.33%	83

Stimulus v. Income Tax Demos



X Export ▼

Household Income of visitors to National Oceanic & Atmospheric Administration

4 weeks ending April 4, 2009, compared with Household Income of visitors to The Weather Channel - US

				Export +
	Household Income (5 returned)	Visits National Oceanic & Atmospheric Administration	Visits The Weather Channel - US	Representation ▼
□ 1	< \$30,000	23.55%	16.59%	142
□ 2	\$60,000 - \$99,999	35.67%	28.37%	126
□ 3	\$30,000 - \$59,999	27.85%	29.46%	95
4	\$100,000 - \$149,999	12.93%	19.39%	67
5	> \$150,000	<0.01%	6.19%	0

Tale of Two Weather Sites



X Export ▼

Age of visitors to National Oceanic & Atmospheric Administration

4 weeks ending April 4, 2009, compared with Age of visitors to The Weather Channel - US

	Age (5 returned)	Visits National Oceanic & Atmospheric Administration	Visits The Weather Channel - US	Representation ▼
□ 1	55+	32.50%	23.59%	138
□ 2	45-54	26.75%	21.24%	126
□ 3	35-44	20.54%	22.77%	90
□ 4	18-24	5.95%	9.52%	63
□ 5	25-34	14.27%	22.89%	62

Tale of Two Weather Sites



X Export ▼

State of visitors to National Oceanic & Atmospheric Administration

4 weeks ending April 4, 2009, compared with State of visitors to The Weather Channel - US



Tale of Two Weather Sites



Mosaic USA Type of visitors to News and Media - Weather

4 weeks ending April 4, 2009, compared with Mosaic USA Type of visitors to National Oceanic & Atmospheric Administration

				X Export ▼
	Mosaic USA Type (60 returned)	Visits ▼ Weather	Visits National Oceanic & Atmospheric Administration	Representation
□ 1	F01 - Steadfast Conservatives	10.71%	11.52%	93
□ 2	B03 - Urban Commuter Families	8.28%	10.15%	82
□ 3	© C02 - Prime Middle America	4.42%	4.41%	100
□ 4	6 G01 - Hardy Rural Families	3.93%	1.33%	295
□ 5	301 - Rugged Rural Style	3.16%	1.57%	201
□ 6	6 A06 - Small-town Success	3.07%	6.33%	49
□ 7	© C04 - Family Convenience	2.99%	2.54%	118
□ 8	i H01 - Young Cosmopolitans	2.93%	4.08%	72
□ 9	i H03 - Stable Careers	2.84%	2.42%	117
□ 10	105 - Hinterland Families	2.80%	2.08%	135

NOAA v. All Weather Sites



₩ Evnout W

Persona - Steadfast Conservatives

- Government Websites: National Parks Service, EFTPS, Storm Prediction Center
- Sports Sites: Volvo World Ocean Racing, NASCAR, TrapShooters, Hunting
- Other Weather Sites:Intellicast, Accuweather,WaveWatch, Weather Bug





If You Do Nothing Else...

- 1. Discover your website's seasonality. Are you meeting seasonal demand with appropriate content?
- 2. Examine search term data to determine consumer interest
- 3. Begin thinking about how all the data you collect could help you better serve your online constituency





To Learn More

Visit our blog: www.ilovedata.com

Read our new Wall Street Journal column "Click"

Follow us on Twitter: @Hitwise_US





Thank You!

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