Using schema.org to improve SEO

schema.org

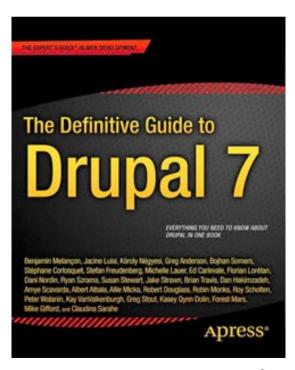
Stéphane Corlosquet, Drupal Nights @ BioRAFT April 2015

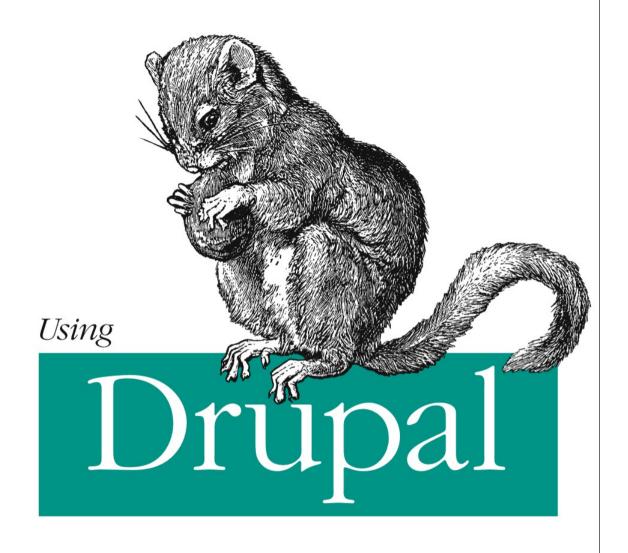


About the speakers

- Stéphane "scor" Corlosquet
 - 8 years with Drupal
 - Software engineer @ Acquia
 - Drupal RDF core maintainer
 - Drupal Security Team member
 - Contrib modules: RDF Extensions,
 SPARQL, schema.org, WebID
 - Member of the RDFa WG at W3C







O'REILLY®

Angela Byron, Addison Berry, Nathan Haug, Jeff Eaton, James Walker & Jeff Robbins

SEO?

Search Engine Optimization

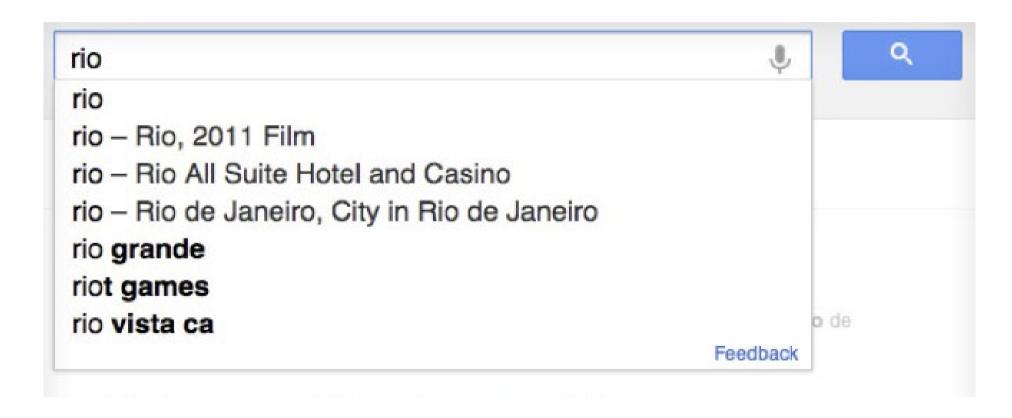
Search Engine Optimization

Search Experience Optimization

Speak now



Live Entity disambiguation

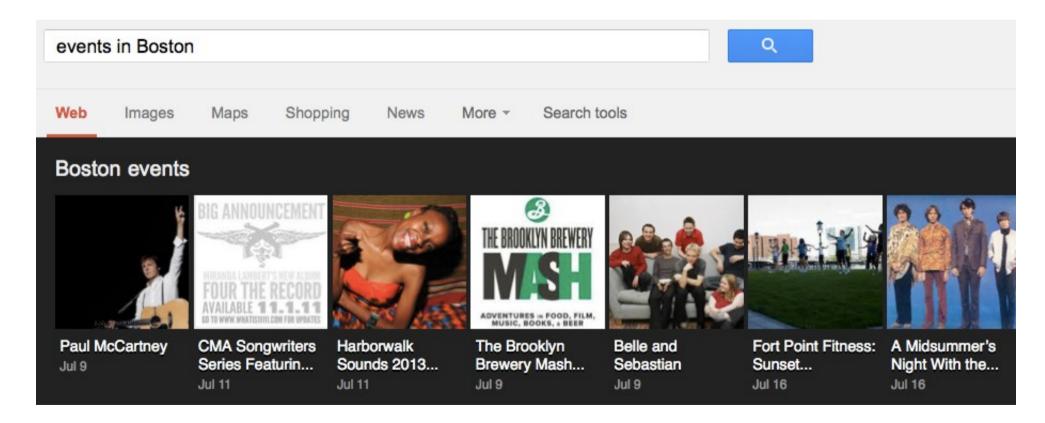


Direct answers

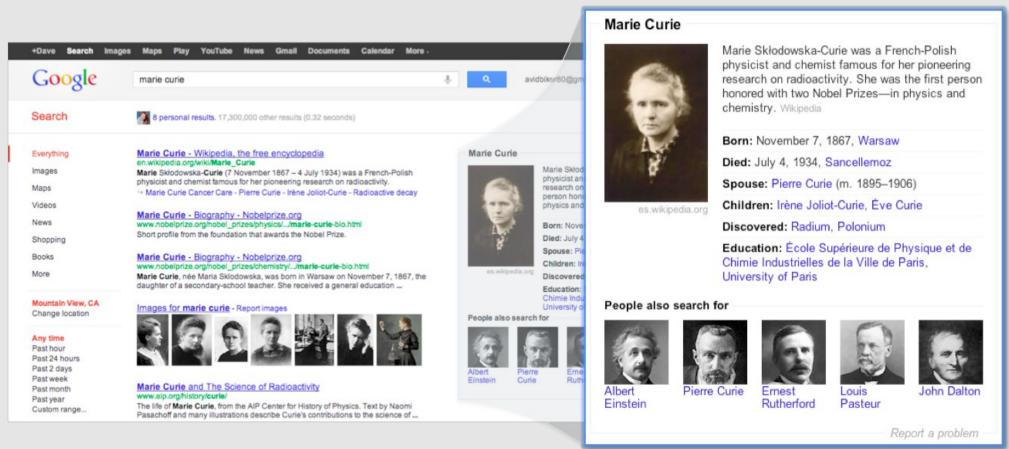


Feedback / More info

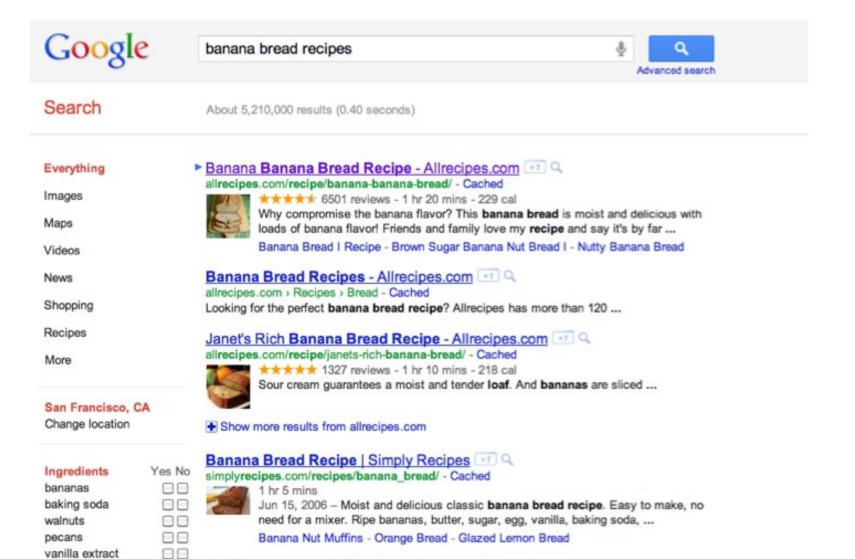
List and collections



Entity summary

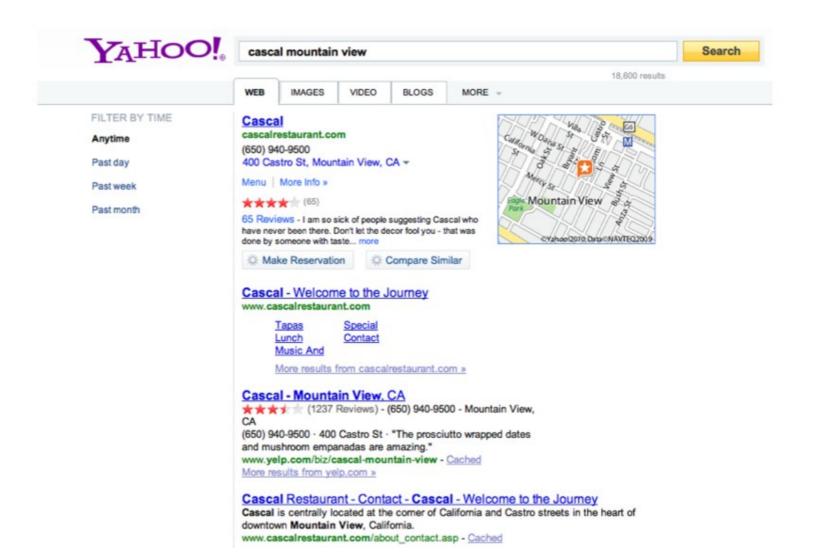


Rich Snippets



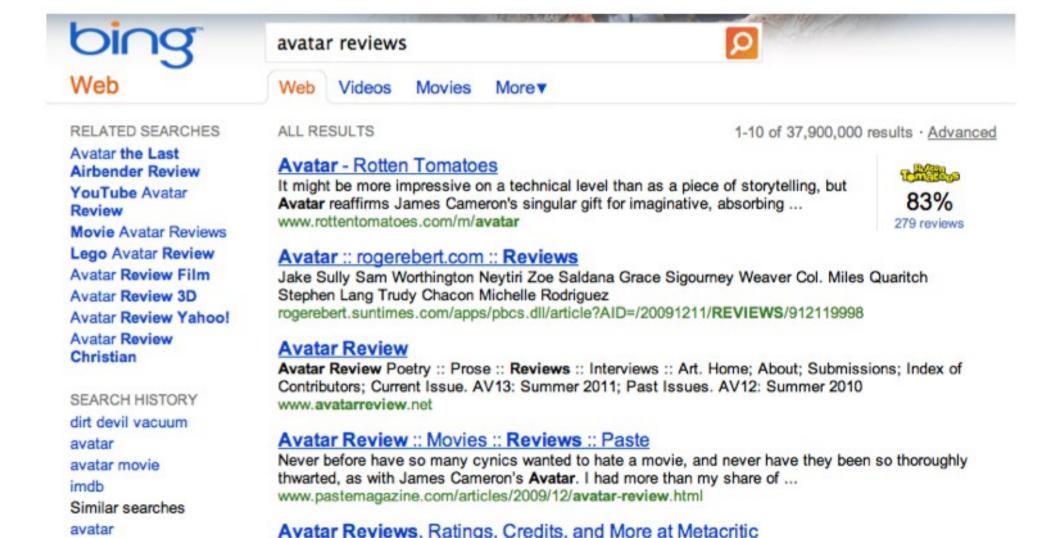
Other search engines similar efforts

Yahoo!



Other search engines similar efforts

Bing - Satori



Knowledge Graph

- Google's internal knowledge base
- Helps user find information quickly + easily
- Knows about people, places, cities, celebrities, movies, work or art...
- "Things, not strings" no keyword matching
- Hummingbird algorithm update (largest update since 2001)



Knowledge Graph

- 570 million real-world objects
- 18 billion facts and relationships
- Built from content gathered from the Web
- Freebase
 - Acquired by Google in 2010
 - 39 Million topics
 - 1,9 Billion facts and relationships
- Wikipedia
- More? → Video and video

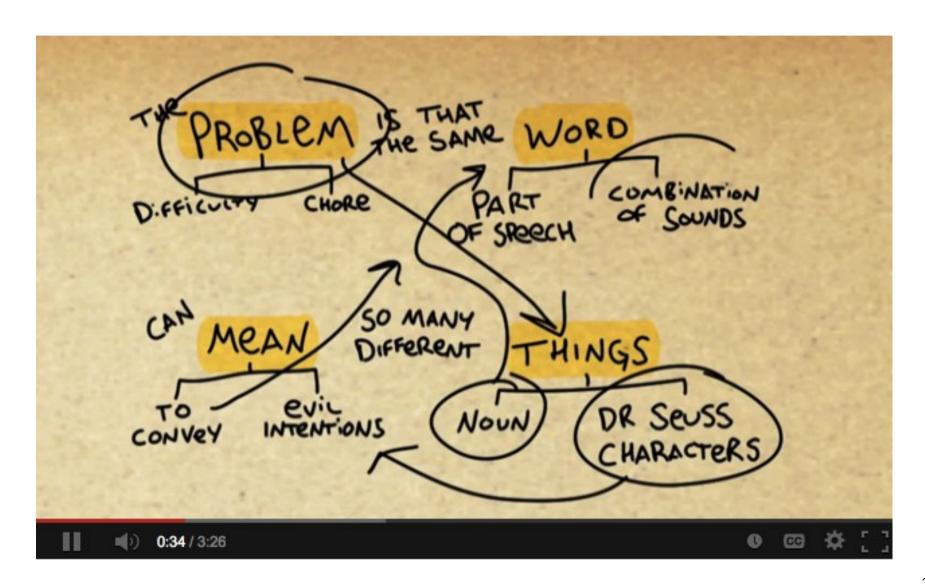
What about Drupal?

- Drupal sites hold a lot of the data on the Web
 - > 2 Million sites
 - 2% of the web
 - Variety of content: news, gov, corporate, media, commerce
- Drupal's data is structured inside
 - Entities: Node, User, Comment, Taxonomy term
 - Properties: fields (text, entity reference...)

Challenge

How can you make Drupal data easily understandable by search engines?

The problem



Schema.org standard

- General web schema for everyone to use
- 400+ types (book, recipe, event, person...)
- Sponsored and supported by major search engines: Google, Yahoo!, Bing, Yandex
- Multiple formats: RDFa, Microdata, JSON-LD

schema.org



Thing > Event

An event happening at a certain time at a certain location.

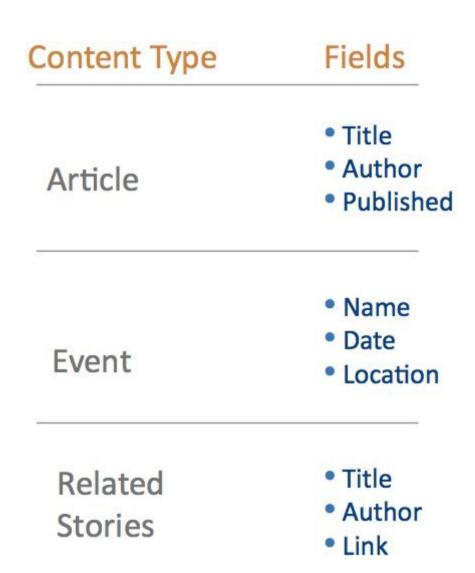
Property	Expected Type	Description		
Properties from Thing				
description	Text	A short description of the item.		
image	URL	URL of an image of the item.		
name	Text	The name of the item.		
url	URL	URL of the item.		
Properties from Event				
attendees	Person or Organization	A person attending the event.		
duration	Duration	The duration of the item (movie, audio recording, event, etc.) in ISO 8601 date format.		
endDate	Date	The end date and time of the event (in ISO 8601 date format).		
location	Place or PostalAddress	The location of the event or organization.		
offers	Offer	An offer to sell this item—for example, an offer to sell a product, the DVD of a movie, or		
performers	Person or Organization	The main performer or performers of the event—for example, a presenter, musician, or a		
startDate	Date	The start date and time of the event (in ISO 8601 date format).		

How does schema.org apply to Drupal?





Breaking News Story



Edit News Synthesis Moving Toward Convictions Title * Moving Toward Convictions Byline Amy Maxmen Subhead Risk VI: New strategies to root out the cause of MS

Body

If the hunt for causes of multiple sclerosis were a simple murder mystery, investigators might be having an easier time cracking the case. The disease detectives must identify the multiple agents, rather than a lone perpetrator, that lead to the disease—and unravel how the culprits work individually and together. To complicate the inquiry further, each contributor might begin causing damage decades before the disease begins. And finally, the ultimate test of causation—restraining or removing a suspect and assessing whether the disease diminishes in response—isn't generally practical because methods do not exist to contain most of the candidate troublemakers.

Nonetheless, MS investigators have drawn up an inventory of top suspects, which include a lack of vitamin D (see "The Sunshine Suspect"), the Epstein-Barr virus (EBV) and the infectious mononucleosis that it can cause (see "Viral Villain"), certain genes (see "Genetic Associations" and "Nature, Nurture, and What's in Between"), female gender (see "Discriminatory Disease"), smoking, and stress (see "Where There's Smoke (and Stress), Is There Fire?"). To build a case against these characters, researchers are measuring the strength of the associations between the potential wrongdoers and the illness, and they're asking whether the putative scoundrels act before the disease begins and how they might set it off.

Featur	red Image	ART-Conclusion-thumbnail.gif (10.27 KB) Remove Alternate text This text will be used by screen readers, search engines, or when the image cannot be loaded.	
		Title	
		The title is used as a tool tip when the user hovers the mouse over the image.	
RELAT	ED CONTE	ENT	
#	Whodunit	t? [nid:778]	
#	The Sunsi	hine Suspect [nid:827]	
+	Where Th	nere's Smoke (and Stress), Is There Fire? [nid:1888]	
Ad	ld another	r item	
REFER	ENCES		
+	Human er	ndogenous retroviruses and multiple sclerosis: innoce	
#	Commens	sal microbiota and myelin autoantigen cooperate to tri	28

+

Association of human endogenous retroviruses with multiple sc

Node

View

Edit

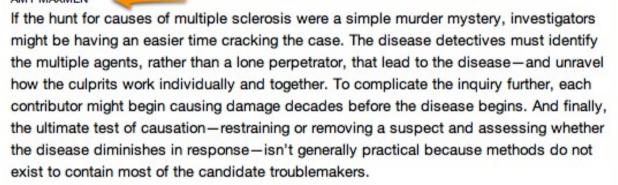
Track

Devel

NEWS SYNTHESIS | 2 JUN 2012

Moving Toward Convictions

Risk VI: New strategies to root out the cause of MS



Nonetheless, MS investigators have drawn up an inventory of top suspects, which include a lack of vitamin D (see "The Sunshine Suspect"), the Epstein-Barr virus (EBV) and the infectious mononucleosis that it can cause (see "Viral Villain"), certain genes (see "Genetic Associations" and "Nature, Nurture, and What's in Between"), female gender (see "Discriminatory Disease"), smoking, and stress (see "Where There's Smoke (and Stress), Is There Fire?"). To build a case against these characters, researchers are measuring the strength of the associations between the potential wrongdoers and the

Related Content

NEWS SYNTHESIS 2 APR 2012

Whodunit?

NEWS SYNTHESIS | 2 APR 2012

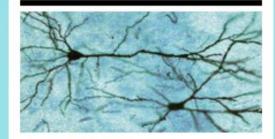
The Sunshine Suspect

NEWS SYNTHESIS 2 APR 2012

Viral Villain

SEE FULL LIST»

News Highlights



The Next Frontier

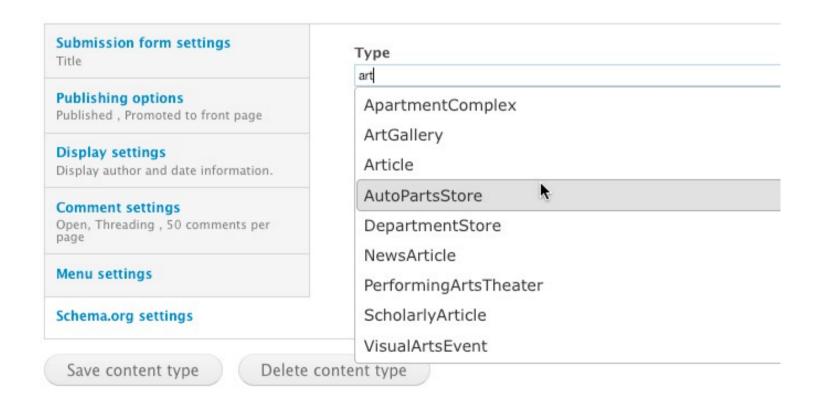
What's in the future?

Check out the "Key open questions" at the end of most MSDF news stories

108 READS

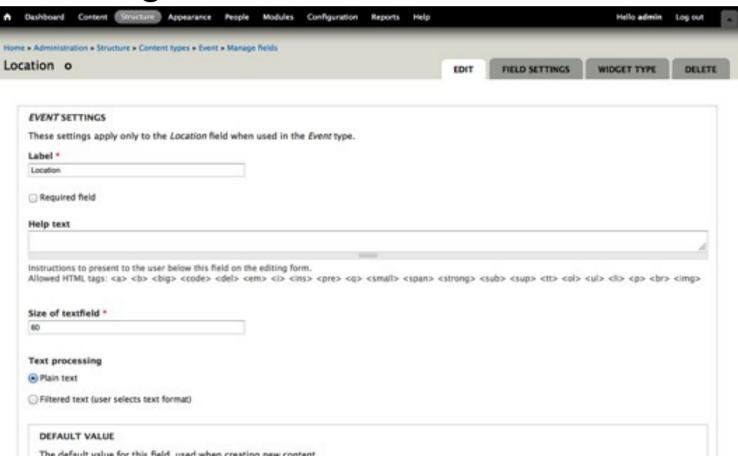
Schema.org module for Drupal

Map your content types and fields to the schema.org terms



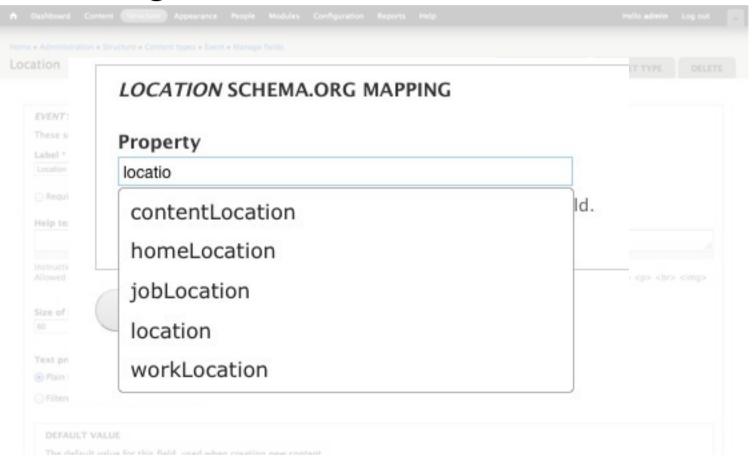
Schema.org module for Drupal

Map your content types and fields to the schema.org terms



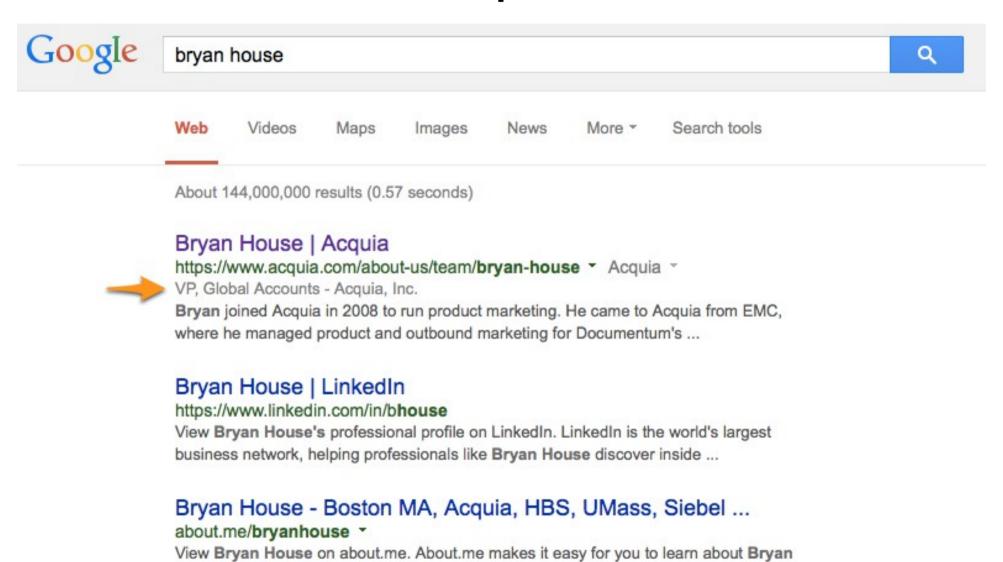
Schema.org module for Drupal

Map your content types and fields to the schema.org terms



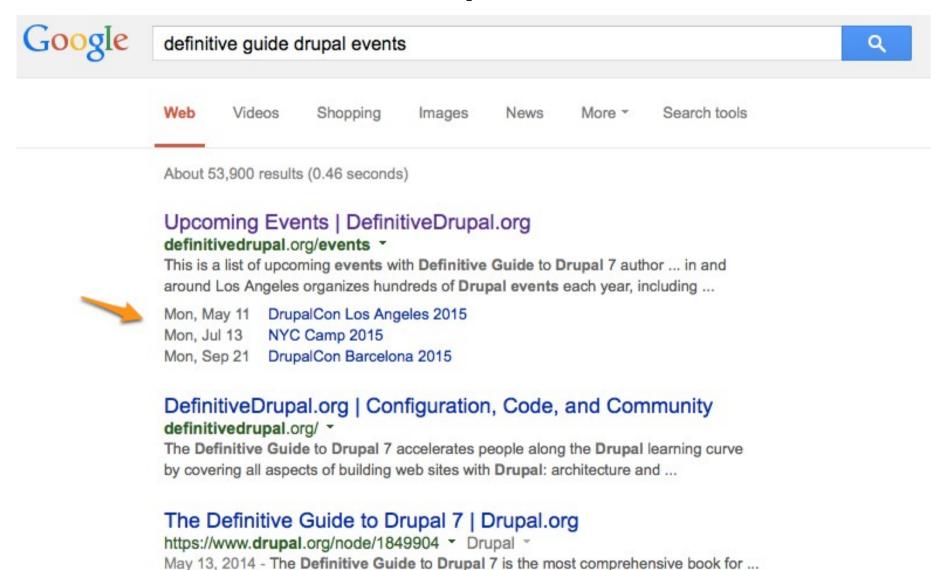
Schema.org mappings in HTML

Live example: Person



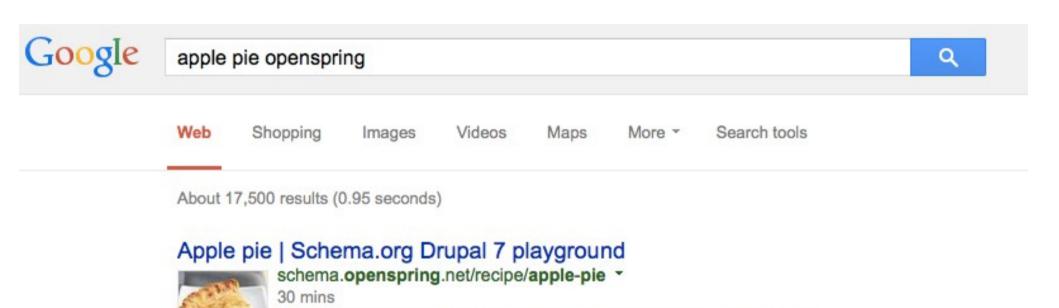
House's background and interests.

Live example: Events



Drupal's Story: A Chain of Many Unexpected Events; Now You're in ...

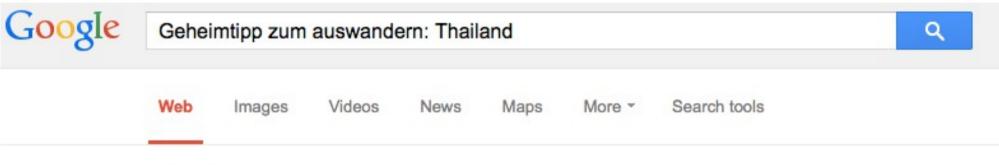
Live example: Recipe



"This was my grandmother's apple pie recipe. I have never seen another one quite like it. It will always be my favorite and has won me several first

place prizes ...

Live example: Ratings



About 215,000 results (0.56 seconds)

Geheimtipp zum auswandern: Thailand | Wohin ...

www.wohin-auswandern.de/auswandern-thailand Translate this page

**** Rating: 3.6 - 68 votes

Geeignet für Rentner, nicht ratsam für die Arbeit: Thailand ist für deutsche

Auswanderer unter Umständen ein interessantes Ziel.

Ein echter Geheimtipp im Süden von Thailand - Nakhon Sri ...

www.phuketastic.com/.../ein-echter-geheimtipp-im-su... ▼ Translate this page
Oct 21, 2013 - Den wenigsten Thailand Reisenden ist Nakhon Sri Thammarat ein
Begriff. ... Ein Geheimtipp den ich seit Jahren jedem empfehle, der mich nach einem
Erfahrungsbericht von Werner – Auswandern nach Bangkok

Preview Rich Snippet

http://www.google.com/webmasters/tools/richsnippets

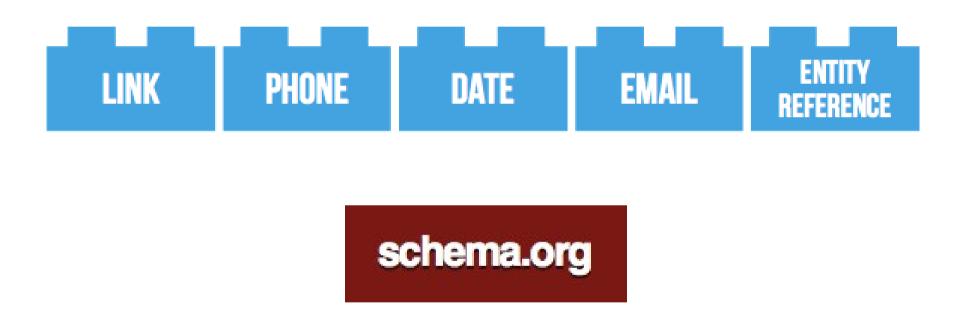
Structured Data Testing Tool URL HTML http://rdfsolr13test.devcloud.acquia-sites.com/node/6 PREVIEW Sign in to view the retrieved HTML. Google search results Google Custom Search Preview DrupalSouth New Zealand | rdfsolr13dev.devcloud.acquia-sites.com rdfsolr13test.devcloud.acquia-sites.com/node/6 Feb 14, 2014 - Wellington, New Zealand The excerpt from the page will show up here. The reason we can't show text from your webpage is because the text depends on the query the user types.

Examples

- Recipe preview
- Event preview
- Person preview

New features in Drupal 8

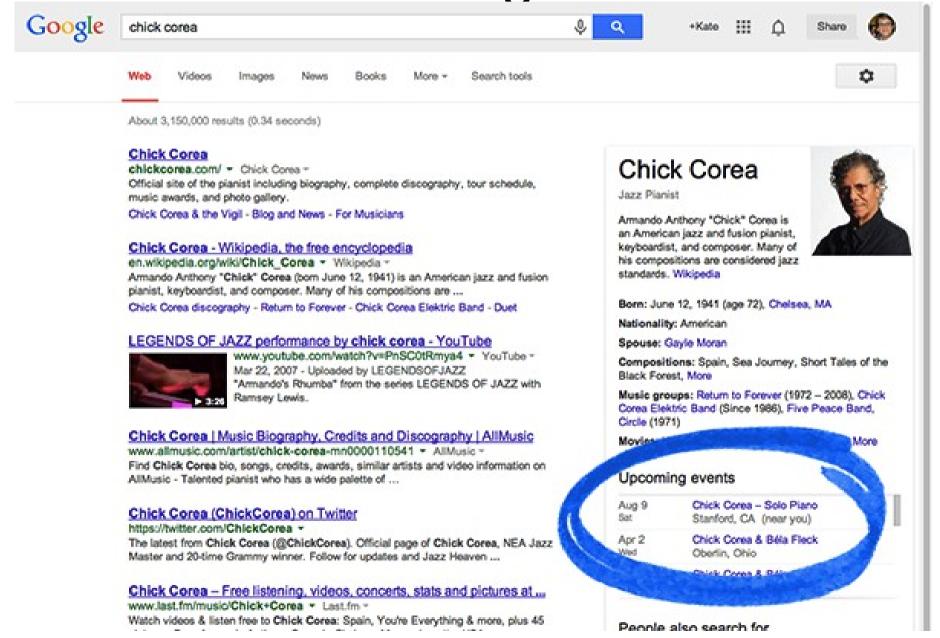
New fields



Content become schema.org entities

Use cases

Musical Artists: Specify your events to Google



Create semantic content

Schema.org entity

TYPEOF:

NAME:

DATE:

LOCATION:

IMAGE:

Create semantic content

Schema.org entity

TYPEOF: Event

NAME: The Art Pop Ball

DATE: July 12, 2014

LOCATION: Boston Massachusetts

IMAGE: Lady Gaga

Publish semantic content

Schema.org entity

TYPEOF: Event

NAME: The Art Pop Ball

DATE: July 12, 2014

LOCATION: Boston Massachusetts

IMAGE: Lady Gaga

Branded



LADY GAGA the ARTPOP ball

Boston Massachusetts July 12, 2014

Discoverable



Upcoming events		
Jun 30 Mon	Lady Gaga Boston, Massachusetts (near you)	
Jun 2 Mon	Lady Gaga San Diego, California	
Jun 3 Tue	Lady Gaga San Jose, California	

Contextual





Multichannel delivery













EXTENSIONS

DOCUMENTATION

GET HELP



Drupal Commerce

Drupal Commerce is an open source eCommerce framework. Use it to build truly flexible eCommerce websites and applications based on Drupal, the best platform for social commerce.

Download Now



DRUPAL COMMERCE

COMMERCE KICKSTART

COMMERC





Search

Q

To Carry

To Drink With

To Geek Out

To Wear

All Products

Blog Contact About

Home » Canon - EOS 70D DSLR Camera









Canon - EOS 70D **DSLR Camera**

SKU: TSH4-BLK-SM

\$1,199.00

From horse races to soccer games, freeze action-packed moments with the help of this DSLR camera. Record stunning high definition videos and capture fine details even in low light. Built-in Wi-Fi...

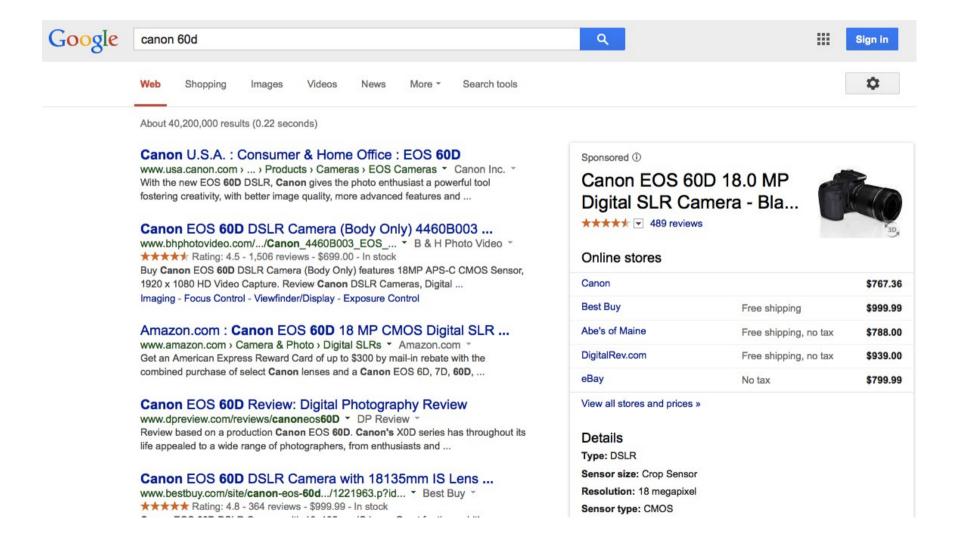
Read More

Enter Quantity:

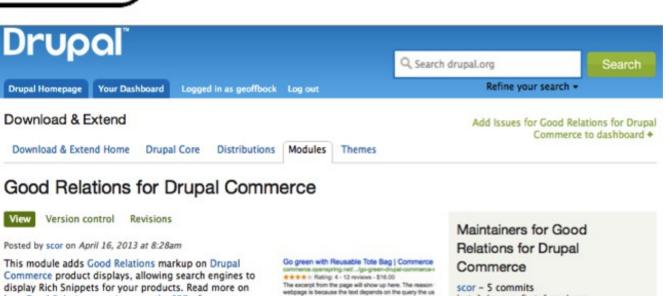




Commerce: comparison







Schema.org

commerce site.

how Good Relations can improve the SEO of your e-

As of November 8, 2012, GoodRelations is the official e-commerce core for schema.org:

Schema.org will be one additional syntactical form of using GoodRelations for your site. GoodRelations remains an independent vocabulary. The original namespace of GoodRelations will remain the primary location.

Set up

This module requires no configuration, just enable it and your Drupal Commerce products should show a rich snippet in the Google Rich Snippet testing tool. The following fields are currently automatically supported:

- title
- price
- currency
- ratings (fivestar / voting API)

last: 1 day ago, first: 1 week ago

View all committers View commits

Issues for Good Relations for **Drupal Commerce**

To avoid duplicates, please search before submitting a new issue.

(Search)

Advanced search

All issues

1 open, 1 total

Bug reports

1 open, 1 total

Subscribe via e-mail

TWENTY QUESTIONS



VAN

FLORENCE

ALDO RAY

Thanks!

Reach out:

- scorlosquet@gmail.com
- @scorlosquet