



# The Reality of Linked Data



Ian Davis, CTO, Talis  
Online Information 2009

“A significant change in the computer field in the last five to eight years has been made in the way we treat and handle data. In the early days of our field, data was intimately tied to the application programs that used it. Now we see that we want to break that tie. We want data that is independent of the application programs that use it – that is, data that is organized and structured to serve many applications and many users. What we seek is the...”





... data base





1973





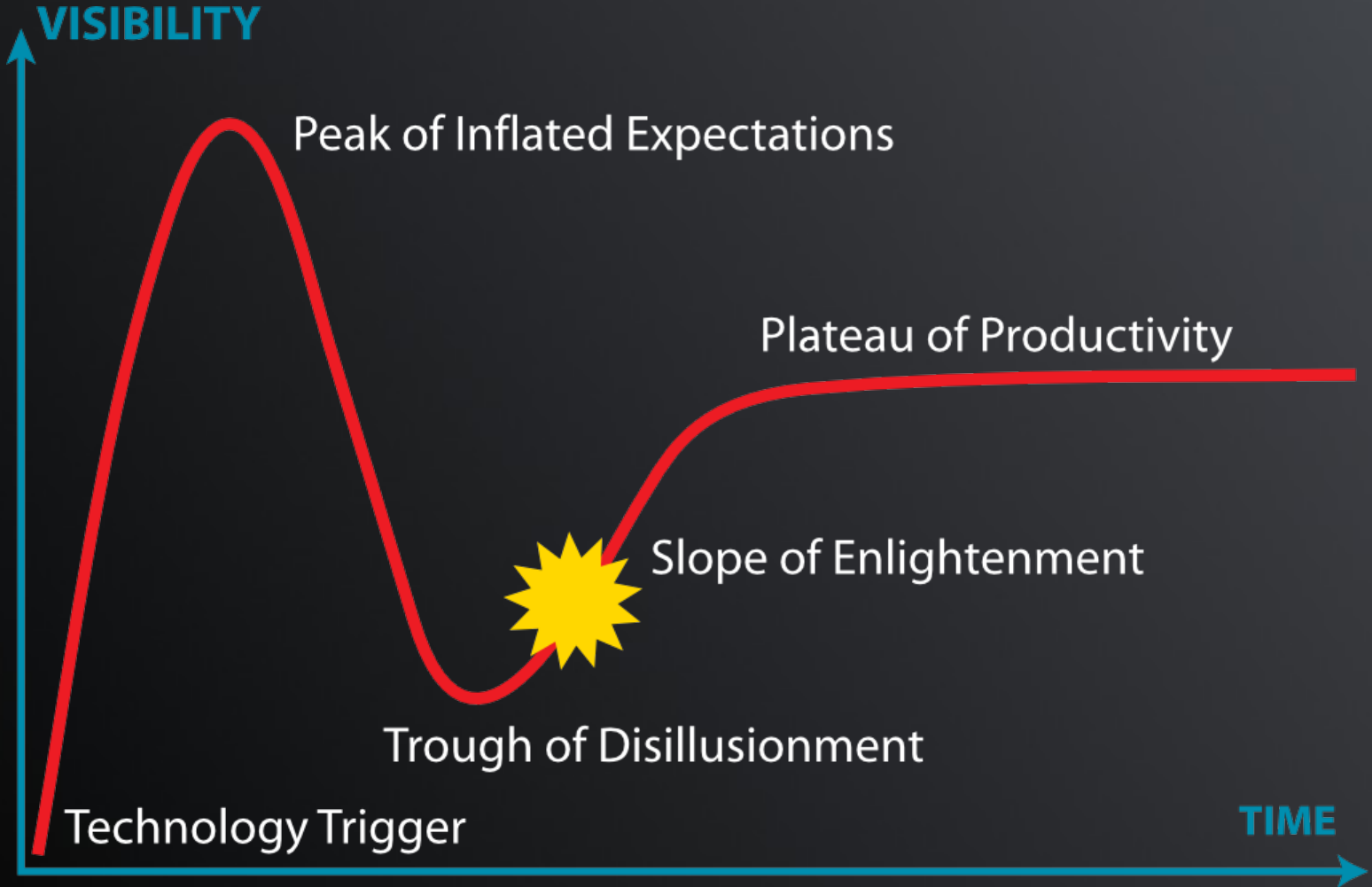
“Copernicus completely reoriented our view of astronomical phenomena when he suggested that the earth revolves around the sun. There is a growing feeling that data processing people would benefit if they were to accept a radically new point of view, one that would liberate the application programmer's thinking from the centralism of core storage and allow him the freedom to act as a navigator within a database.”





“Both software and the hardware needed remain immature, that little experience so far existed in its use and that the generalized features offered by the DBMS brought a hefty performance penalty”











# Linked Data is a Dominant Design for the Semantic Web





Your web site  
is your API





# Identify





# Describe





# Respond





Your web site  
is your API





# [ spooks ]



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## Spooks



Tense drama series about the different challenges faced by the British Security Service as they work against the clock to safeguard the nation

WEBSITE: [Go to the homepage for 'Spooks'](#)  
PROGRAMMES: [on BBC iPlayer](#) (4) | [clips](#) (1) | [coming up](#) (4)  
PREVIOUS PROGRAMMES: [by series](#) (3) | [by year](#) (24)

## Coming up

TOMORROW, 21:00 on BBC One

### Series 8

#### Episode 5

Section D is caught on the back foot when two CIA agents are found dead.

**3 more programmes coming up** in the next 7 days (including repeats).

## More like this

Find related BBC One programmes.

### CATEGORIES

GENRE:

**Drama** > **Action & Adventure**

## Just missed



### Series 8 Episode 5

MORE: [programme information](#) | [clips](#)

Broadcast **Friday, 21:00** on **BBC Three** and available **soon** on BBC iPlayer.

Section D is caught on the back foot when two CIA agents are found dead.



<http://www.bbc.co.uk/programmes/b006mf4b>



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- <rdf:Description rdf:about="/pro
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  Series 8
  Episode 5
  MORE: programme information | clips
  Broadcast Friday, 21:00 on BBC Three and available soon on BBC
  iPlayer.
  Section D is caught on the back foot when two CIA agents
  are found dead.

```

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<http://www.bbc.co.uk/programmes/b006mf4b.rdf>





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Tune in and explore your favourite BBC content in new ways.

FanHubz is an experiment that uses [semantic web technology](#) to support community building around your interests, TV shows, radio programmes, and artists.

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**TV** Radio Music

### Tweet stream



**John Lee** on [Top Gear](#)

RT @bbcamerica: Exclusive: Top Gear Season 13 will premiere Monday, January 25 on BBC AMERICA. [#TopGear](#) [#thingsilike](#)

[Wed 2 Dec 2009 00:02](#)



**: Ste C** on [The Thick Of It](#)

[#TheThickOfIt](#) Everything about this scene is ingenious...Malcolm Tucker; a joy to watch → <http://www.youtube.com/watch?v=vrYcAPg6vms>

[Wed 2 Dec 2009 00:00](#)



**Linda Kowalski** on [MasterChef](#)

2 DAYS LEFT TO BUY [#MasterChef](#) # Australia Apron

[Tue 1 Dec 2009 23:58](#)

**Linda Kowalski** on [MasterChef](#)



### Hot topics

- [EastEnders](#)
  - Buzz share today: 30 %
- [Doctor Who](#)
  - Buzz share today: 22 %
- [Torchwood](#)
  - Buzz share today: 13 %
- [Strictly Come Dancing](#)
  - Buzz share today: 13 %
- [Top Gear](#)
  - Buzz share today: 11 %

Calculated on Wed 2 Dec 2009 00:10 UTC

### Featured Hubz

- [Doctor Who](#)
  - Registered fans: 7
  - Recent tweets: about 813
  - Mood: enthusiastic
  - FanRank: 205
- [Top Gear](#)
  - Registered fans: 5
  - Recent tweets: about 691
  - Mood: positive
  - FanRank: 145
- [Mock the Week](#)
  - Registered fans: 4
  - Recent tweets: about 123
  - Mood: enthusiastic
  - FanRank: 75
- [Question Time](#)
  - Registered fans: 2
  - Recent tweets: about 266





# Arctic Monkeys

Group. Formed 2002.



Jim Sharpe/Redferns

## Biography

Arctic Monkeys are an English alternative rock band from High Green, a suburb of Sheffield. Formed in 2002, the band currently consists of Alex Turner (lead vocals, guitar), Jamie Cook (guitar), Nick O'Malley (bass guitar, backing vocals) and Matt Helders (drums, backing vocals).

Arctic Monkeys achieved chart success with their second single. "I Bet You Look

## Latest Tracks Played On The BBC

- Cornerstone**  
BBC RADIO 1 | GREG JAMES 01/12/2009
- I Bet You Look Good On The Dancefloor**  
BBC RADIO 1 | JO WHILEY 28/11/2009

## Audio Previews From Latest Album



### Humbug

- My Propeller
- Crying Lightning
- Dangerous Animals

## Played By

Since December 2008





onr:5060570

Sök

Sökning: onr:5060570 > The difference engi...

1 av 1 < Föregående post | Nästa post > Till träfflistan

Översikt Detaljer

### The difference engine / William Gibson and Bruce Sterling

Gibson, William, 1948-2008. (författare)

Sterling, Bruce, 1954- (författare)

ISBN 0-575-60029-2 (pbk)

London : Vista, 1996

Engelska 383 s.

Bok



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- Sterling, Bruce, 195 ...

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##### Wikipedia om författaren:

- William Gibson





# Fakenham Junior School

A description of the resource identified by <http://education.data.gov.uk/id/school/120805>

Label	Fakenham Junior School
Latitude	52.83161
Longitude	0.85071
Type	Community School School
Easting	592136
Northing	329815
FSM	40
FSMPercentage	13
LLSC	Norfolk
LSOA	North Norfolk 011C
MSOA	North Norfolk 011
PFI	false
Scu alternative email	office@fakenham-jun.norfolk.sch.uk
SCUpreferredemail	head@fakenham-jun.norfolk.sch.uk
Address	Self





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## Employees

Use as a topical subdivision under types of industries, services, establishments, etc. Also use under names of individual persons for works on persons employed by the individual, including household servants, etc. Also use under names of individual educational institutions and non governmental corporate bodies. Under names of individual international, government, and quasi-governmental agencies, use Officials and employees.

**URI:** <<http://id.loc.gov/authorities/sh00002753#concept>>

**Type:** General Subdivision

**Alternate Labels:** --Relations with employees; --Servants

**Examples:**





**Colbert, Stephen**

nyt:associated_article_count	46
nyt:first_use	2002-12-10
nyt:latest_use	2009-08-26
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nyt:topicPage	<a href="http://topics.nytimes.com/top/reference/timestopics/people/c/stephen_colbert/index.html">http://topics.nytimes.com/top/reference/timestopics/people/c/stephen_colbert/index.html</a>
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owl:sameAs	<a href="http://rdf.freebase.com/ns/en.stephen_colbert">http://rdf.freebase.com/ns/en.stephen_colbert</a>
owl:sameAs	<a href="http://dbpedia.org/resource/Stephen_Colbert">http://dbpedia.org/resource/Stephen_Colbert</a>
owl:sameAs	<a href="http://data.nytimes.com/colbert_stephen_per">http://data.nytimes.com/colbert_stephen_per</a>
skos:definition	<p>Updated June 12, 2009</p> <p>Stephen Colbert is the host of Comedy Central's "The Colbert Report," a parody of Fox News-style cable opinion shows. Mr. Colbert plays the part of an obtuse, pompous arch conservative.</p> <p>Mr. Colbert's audience on Comedy Central isn't very large (a little over a million on a good day), but he has cachet with young and would-be hip viewers who get most of their news from iPhone applications, blogs and comedy shows.</p> <p>Before hosting "The Colbert Report," Mr. Colbert was a correspondent on the fake news digest "The Daily Show."</p>





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24 items

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[IngentaConnect Is the Property of Being Positively Correlated Transitive?](#)

Article | A journal article on the positive correlation paradox | From the American Statistician

[Blackwell Synergy: Significance, Vol 1, Issue 1, pp. 39-40: Does significance matter? \(Abstract\)](#)

Article | An article in significance explaining something about significance

[IngentaConnect Graphical Assessment of Dependence: Is a Picture Worth 100 Tests?](#)

Article | A journal article on chi plots | From the American Statistician

[Applied nonparametric statistics](#) - Daniel, Wayne W., , c1990.

Book | This book covers the Chi square test rather well

### Books on R (10 items)

[Modern applied statistics with S](#) - Venables, W. N., Ripley, Brian D., , c2002.

Book | This is probably the most cited book on R

[Introductory statistics with R](#) - Dalgaard, Peter., 2002.

Book | Another excellent introductory R book

[The basics of S-Plus](#) - Krause, Andreas., Olson, Melvin., 2002.

Book | An excellent introductory book, don't worry about the focus on S-Plus

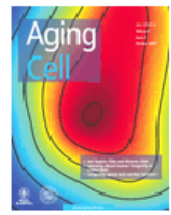




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**Hot Topics**  
 Some highlights of research on aging with Invertebrates, 2009 (p 509-513)  
 Linda Partridge  
 Published Online: Jun 25 2009 11:51AM  
 DOI: 10.1111/j.1474-9726.2009.00498.x

[Abstract](#) | [References](#) | Full Text: [HTML](#), [PDF](#) (Size: 72K)  
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Author(s)

Benjamin G. Fanson , Christopher W. Weldon , Diana Pérez-Staples , Stephen J. Simpson , Phillip W. Taylor

Date

10/2009

DOI

10.1111/j.1474-9726.2009.00497.x

Issue

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Volume

8

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Note



# Aging cell



## Aging Cell

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Journal of Anatomy

Volume 8 Issue

5, Pages 514 - 523

Published Online:

23 Jun 2009

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Abstract | References | Full Text: HTML, PDF (Size: 505K) | Supporting Information | Citation Tracking

## Nutrients, not caloric restriction, extend lifespan in Queensland fruit flies (*Bactrocera tryoni*)

Benjamin G. Fanson<sup>1</sup>, Christopher W. Weldon<sup>1</sup>, Diana Pérez-Staples<sup>2</sup>, Stephen J. Simpson<sup>1</sup>, Phillip W. Taylor<sup>1</sup>

<sup>1</sup> Department of Brain, Behaviour and Evolution, Macquarie University, Sydney, NSW 2109, Australia





# The reality of Linked Data





Identify

Describe

Respond





Find out more

<http://www.talis.com/platform>

<http://blogs.talis.com/nodalities>

[ian.davis@talis.com](mailto:ian.davis@talis.com)

