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Definition of Open (OKF)



A piece of data or content is open if anyone is

free to use, reuse, and redistribute it —

subject only, at most, to the requirement to

attribute and/or share-alike.

5-Stars



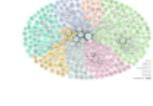












OL RE OF URI LD











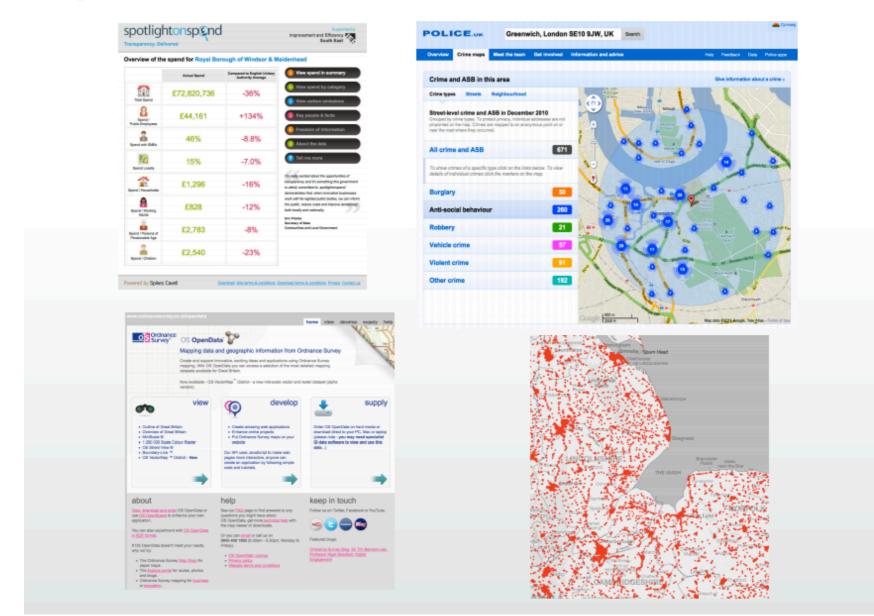








open the data...





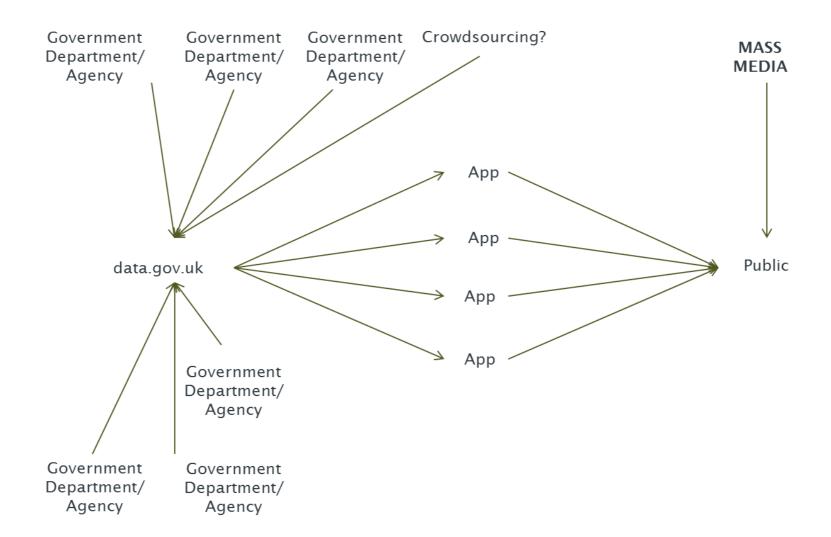


...and the applications follow





The role of data.gov.uk?







Cos that's how the web works, right?



Main page Contents

Featured conten Current events Random article Donate to Wikipedia Wikimedia Shop

- ▼ Interaction About Wikipedia Community portal Recent changes Contact page
- ▶ Tools
- Print/export
- Simple English العربية Bahasa Indonesia

Main Page Talk

Welcome to Wikipedia.

the free encyclopedia that anyone can edit. 4,450,133 articles in English

From today's featured article



Rambles in Germany and Italy is a travel narrative by the British Romantic author Mary Shelley (pictured). Issued in 1844, it describes two European trips that she took with her son and some of his friends. She had lived in Italy with her husband, Percy Bysshe Shelley, between 1818 and 1823 and it was associated with joy and grief: she had written much there but had also lost her husband and two children. Shelley presented her material from what she describes as "a political point of view", challenging the convention that it was

improper for women to write about politics. Her aim was to arouse English sympathy for Italian revolutionaries, having associated herself with the "Young Italy" movement when in Paris on her second trip. Although Shelley herself thought the work "poor", it found favour with reviewers who praised its independence of thought, wit, and feeling, and her political commentary on Italy, However, for most of the 19th and 20th centuries, Shelley was usually known only for Frankenstein and her husband. Rambles was not reprinted until the rise of feminist literary criticism in the 1970s provoked a wider interest in her entire corpus. (Full article...)

Recently featured: Bill Russell - Perseus (constellation) - Operation Kita

Archive - By email - More featured articles...

Did you know..







Yahoo! Mail free email for life



Yahoo! Auctions coins, cards, stamps

advanced search

Shopping - Auctions - Yellow Pages - People Search - Maps - Travel - Classifieds - Personals - Games - Chat - Clubs Mail - Calendar - Messenger - Companion - My Yahoo! - News - Sports - Weather - TV - Stock Quotes - more...

Yahoo! Shopping - Thousands of stores, Millions of products. Stores

Departments

Apparel Flowers

Sports Authority · Food/Drink

Bath/Beauty Music Computers

Gap Eddie Bauer Pokemon MP3 players

Digital cameras

Products

Electronics Video/DVD Macy's DVD players

Arts & Humanities

Literature, Photography...

Business & Economy

Companies, Finance, Jobs...

Computers & Internet

Internet, WWW, Software, Games...

Education

College and University, K-12

Entertainment

Cool Links, Movies, Humor, Music...

Government

Elections, Military, Law, Taxes...

Health

News & Media

Full Coverage, Newspapers, TV...

Recreation & Sports

Sports, Travel, Autos, Outdoors...

Reference

Libraries, Dictionaries, Quotations...

Regional

Countries, Regions, US States...

Science

Animals, Astronomy, Engineering

Social Science

Archaeology, Economics, Languages...

Society & Culture

Medicine, Diseases, Drugs, Fitness... People, Environment, Religion...

In the News

- Scores killed in Nigerian
- Austria's Haider resigns as party leader
- Floods trap thousands in Mozambique

more...

Marketplace

- Y! Auctions Peanuts. Pokemon, computers
- Free 56K Internet Access
- Yahoo! Bill Pay free 3month trial

Inside Yahoo!

- Yahoo! GeoCities build your free home page
- Play free <u>Fantasy Soccer</u>
- Yahoo! Clubs create your
- Y! Greetings free greeting cards

more...

World Yahoo!s Europe: Denmark - France - Germany - Italy - Norway - Spain - Sweden - UK & Ireland

Pacific Rim: Asia - Australia & NZ - China - Chinese - HK - Japan - Korea - Singapore - Taiwan Americas : Brazil - Canada - Mexico - Spanish

Yahoo! Get Local LA - NYC - SF Bay - Chicago - more...

Enter Zip Code

Other Autos - Careers - Digital - Entertainment - Greetings - Health - Invites - Local Events - Net Events Message Boards - Movies - Music - Real Estate - Small Business - Y! Internet Life - Yahooligans!

Yahoo! prefers

How to Suggest a Site - Company Info - Privacy Policy - Terms of Service - Contributors - Openings at Yahoo!





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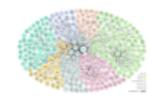
attribute and/or share-alike.

5-Stars





































★★★★★★ = Usable data?

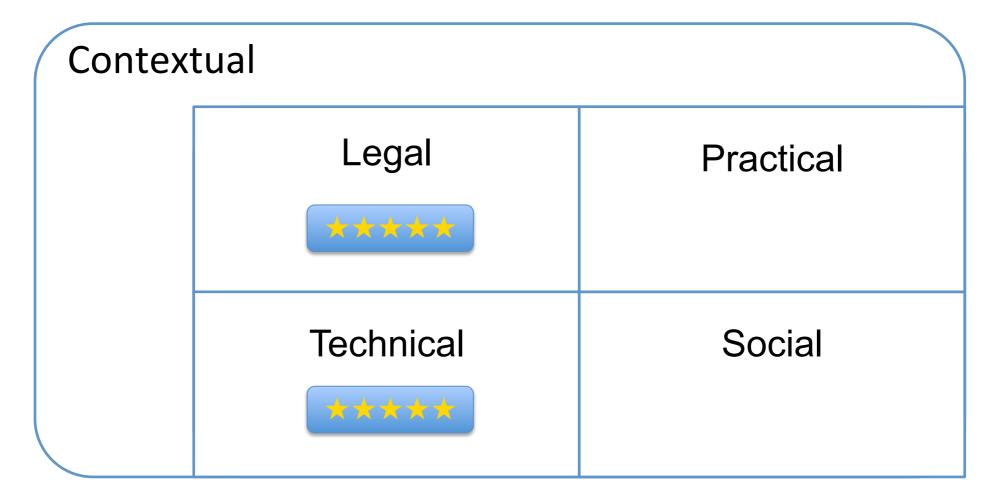


= Data I can rely upon to use as a core asset within my business?





5 Aspects





General







Title/Description/Publisher/URL

Release Type



Legal

Rights to publish



Data licensed



Content licensed



Clear privacy statement (*)



Sources of data documented

Audited anonymisation











•



Practical

Usable period described

Availability period described

Discoverable from home page

Listed in collection

Referenced from publication/application

Quality problems listed

Quality control process described









)

lacktriangle







Technical

Data hosted online



Type of data defined

Machine readable metadata

Clear technical documentation

Persistent & common identifiers used

5-Star Linked Data



Machine readable provenance

Data can be verified















Social



Email support

Discussion groups/forums

Social media channels

Supported community

Tools and guides available to work with data









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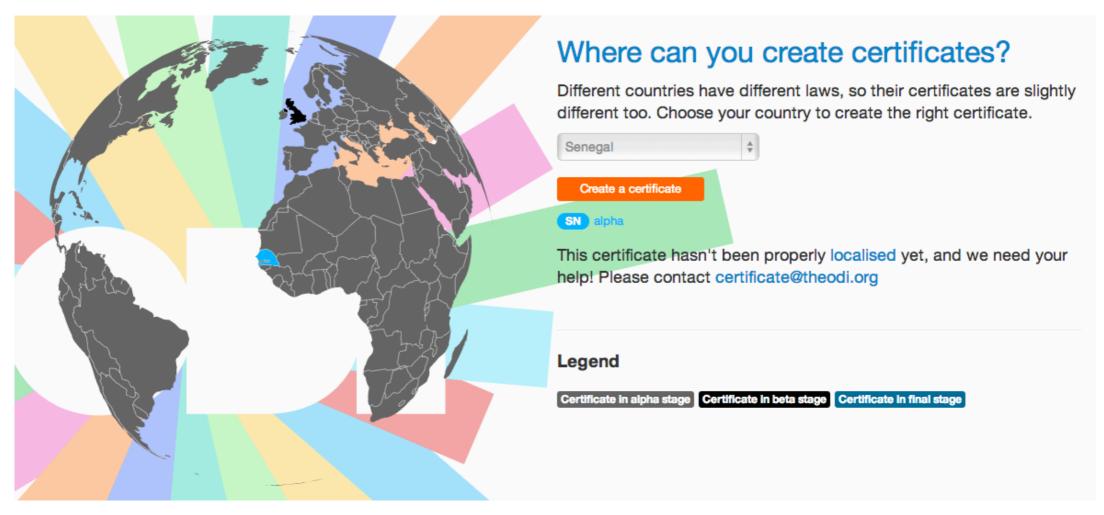
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Open Data Certificates (certificates.theodi.org)





One Objective

Minimum Requirement

3-Star Data

Standard Level Open Data Certificate





Sshhhh

All the examples Nigel demonstrated were built from 3-Star data!

as are all one the ones in this presentation...



Data, Information and Knowledge



"Information is not Knowledge"

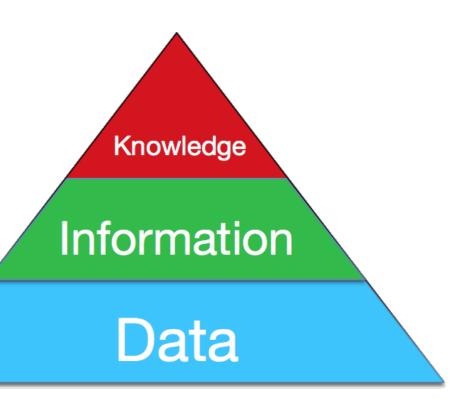
- Albert Einstein





Data

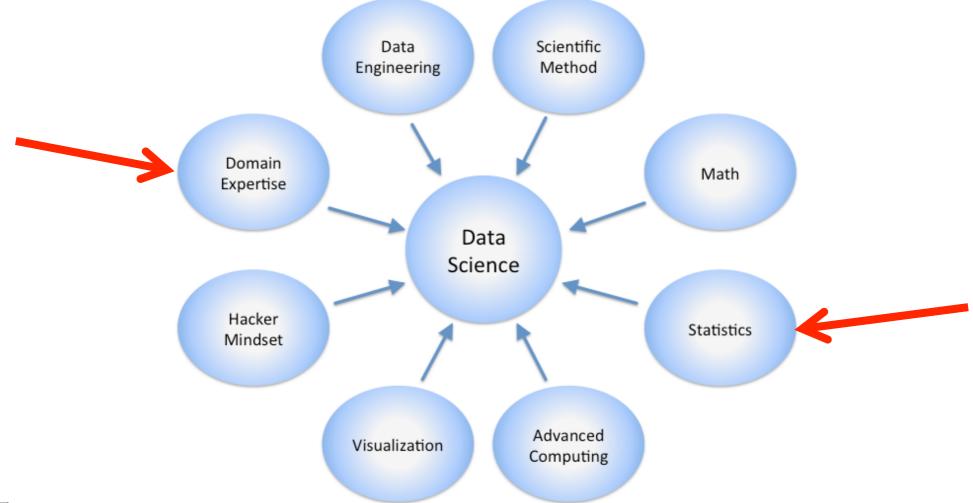
The lowest level of abstraction from which information and then knowledge are derived.







Data Science









THE CLIMATE CORPORATION







Home

Detailed statin analysis
Why prescriptions matter

FAQ

Methodology

Contact us

About this site

About Prescribing Analytics

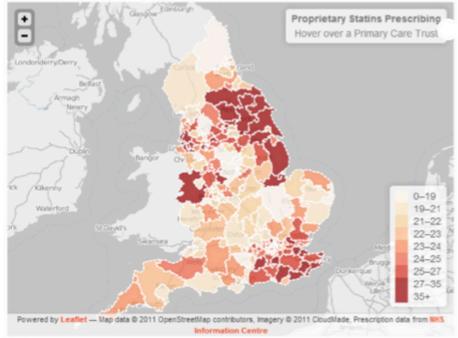
Prescribing Analytics is a joint venture of a group of UK technologists and NHS doctors, who believe in the power of data and technology to help the NHS.

Drop us an email at info@prescribinganalytics.com Home

NHS efficiency savings: the role of prescribing analytics

The NHS has been challenged to make £20 billion in "efficiency savings" by 2015 (1). £10 billion a year are spent by the NHS on essential drugs. Often, there's a choice between a cheap "generic" medication, or an expensive "branded" one. Branded drugs can cost over ten times as much, for the same therapeutic benefit. "Prescribing Advisors" in the NHS, with the support of NICE, encourage doctors to use the most cost effective treatments. We have analysed exactly how much is spent on expensive "branded" medicines, for one class of drugs, namely statins, in England.

Percentage of proprietary statin prescribing by CCG Sep 2011 - May 2012



Show PCT data

Where generic alternatives exist, NHS purchasing of branded drugs has a number of effects:

There is only a finite amount of money to spend on treatments. Prescribing a patient expensive branded drugs, when
cheaper equivalents would have the same therapeutic effect, means that money is wasted. As a result the NHS has less
money to spend on the care needed by other patients.



Open data in business

Core consumer



Service provider

(existing data)







Consumer





Publisher

(Open Innovation)









Public sector open datasets available 37,500+++ datasets

Private sector open datasets

"While there is no central figure on the number of public sector information datasets currently being made available, a review of selected data portals suggests the number could exceed 37,500 from over 750 different publishers with over 2.5 million downloads by October 2012" Deloitte 2012





Easy win: Publishing ESG (environmental, social, governance) data

More companies are deciding that the best strategy is to <u>operate sustainably</u> and r<u>elease open data that shows it</u>

- Sustainable practices as a sign of good corporate governance & predictor of long-term profitability
- Reduction in investment risk and helps attract new investment
- Good for branding and recruiting
- Can improve operations
- Be a step ahead of Government regulation in this area

Attention to environmental, social and governance factors is good for business





Where can businesses start using data and publishing it openly?

Increase transparency / trust / reputation

Operate more efficiently and make more informed decisions

Innovate to deliver new products, services and ways of working





How businesses can best use data and publish it openly will vary, but there are some common themes...

Research & development

Product & Service development

Operations

Marketing & Sales

Distribution & supply chain

CRM & loyalty

Share metadata about proposed trials, pilots, tests (e.g. what and when)

Publish environmental. social and governance data (ESG Reporting) to prove commitment to responsible working

Open supply chain data to instil customer confidence services ("lock-in")

Generate / retain users through data

De-silo internal data and enable better/more rapid collaboration and sharing

Speed up internal processes (e.g. with common identifiers)

Enhance understanding of markets and consumer segments

Outsource innovation widen the knowledge base & number of brains on a problem & buy back in

Gain expertise and information from outside the company's own expertise

Be seen to be innovative / raise awareness / collaboration with other brands

Enhance understanding of customers and target products accordingly



Slide by Georgia Phillips

Strategic use of data and publication of open data driving business value and new business models

Targeted use of open data amongst specialist teams

Ad hoc / tactical / inconsistent use of open data

Minimal awareness of open data and no recognition of its potential value to the business

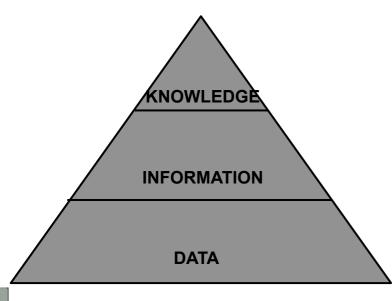
- Senior management championing open data and sharing stories exemplifying the benefits and value it can bring
- Teams across the business consistently using open data to generate answers to problems, innovate and operate more effectively
- Training, engagement and events promoting the value of open data being shared internally and externally so employees and customers feel encouraged and empowered to use and publish data





Open data has the potential to deliver value for businesses if they...

Strategic use of data and publication of open data driving business value and new business models



- understand that the value isn't in the data itself but in what you do with it
- make data part of their core strategy or a critical part of their strategy
- use data to inform what they do and the decisions they make
- invest in training their domain specialists to understand and use data to enable business specific outcomes



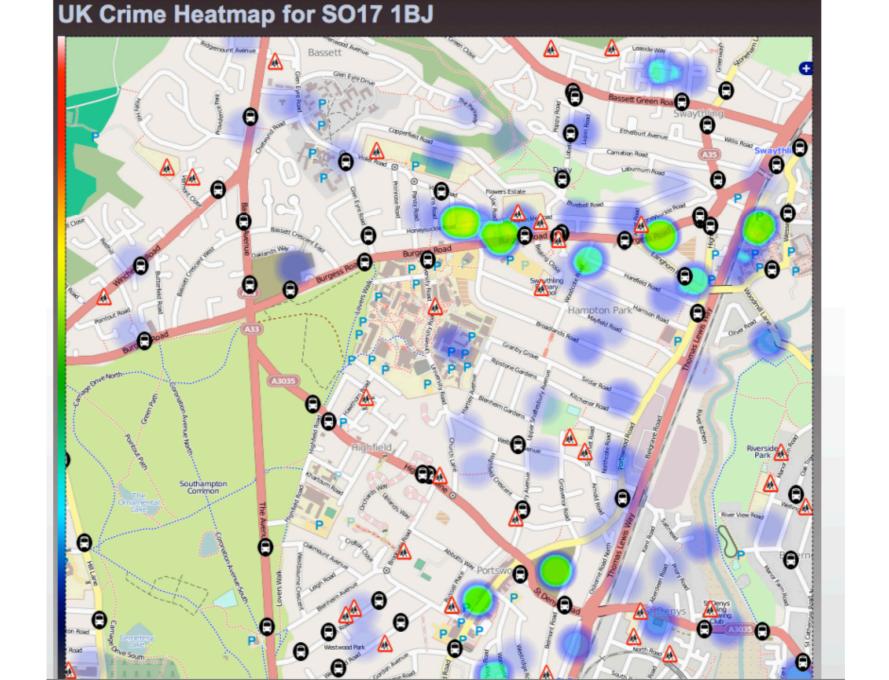
Data: Powerless without knowledge



Beware of what people do with data and information!



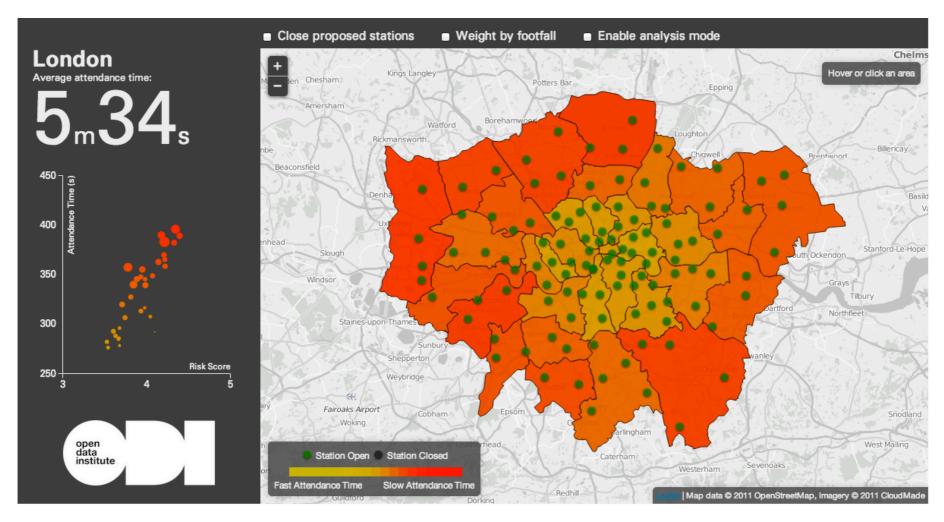








London fire station closures







When domain expertise isn't enough?



Worldwide cancer cases expected to soar by 70% over next 20 years

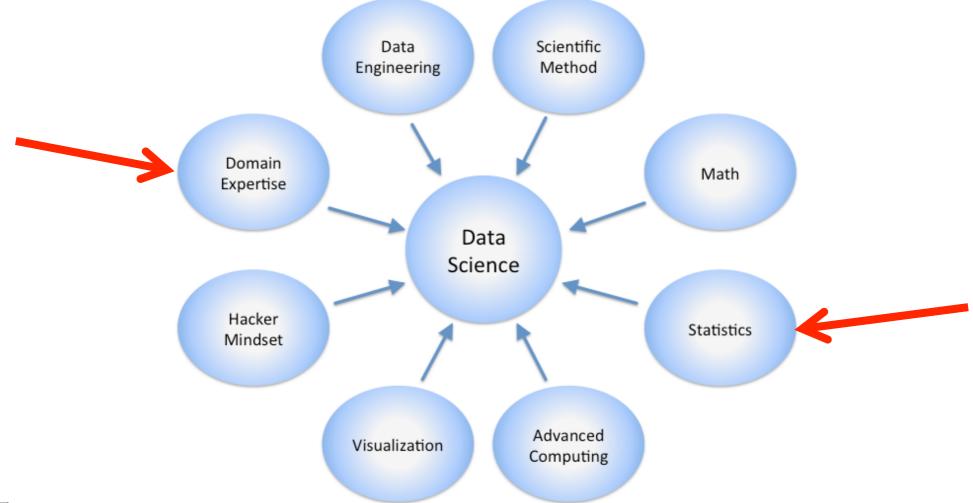
New cancer cases expected to grow from 14m a year in 2012 to 25m, with biggest burden in low- and middle-income countries







Data Science



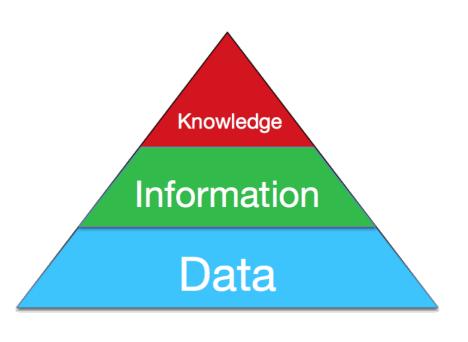




Exercise

Pick any dataset on data.gov.uk and see how far you can get up the triangle.

How would you improve its publication?







Further reading:

 Don't Panic: The truth about the population! (gapminder.org)



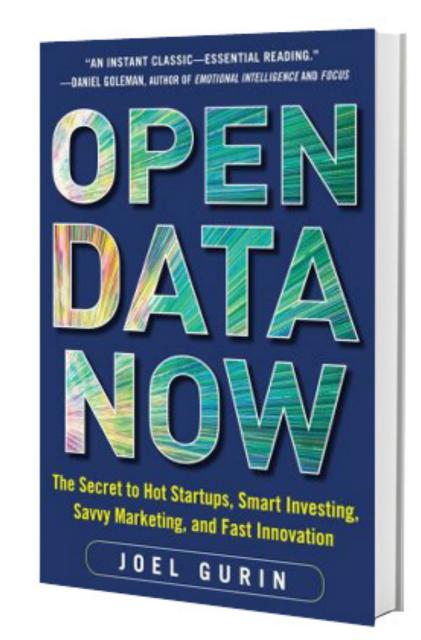




Open Data Now

Lots of examples of consuming and making money from government data.

Some examples are not open data (beware)







Hidden Tiger

Ruin your ability to take headlines seriously.

Learn how to count... again.

'Makes statistics far, far too interesting' RORY BREMNER

The Tiger That Isn't

SEEING THROUGH A WORLD OF NUMBERS



MICHAEL BLASTLAND + ANDREW DILNOT

CREATOR AND PRESENTER OF RADIO 4'S MORE OR LESS





Talking of counting...

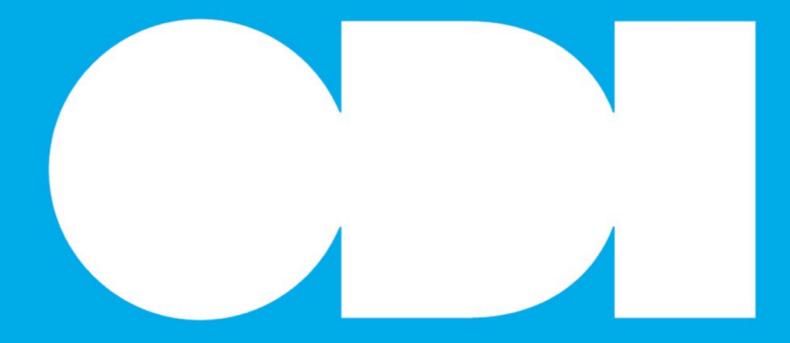


Remember what headlines get written about the results and what affect this might have on your future career.

Data != Knowledge







Thank you

