



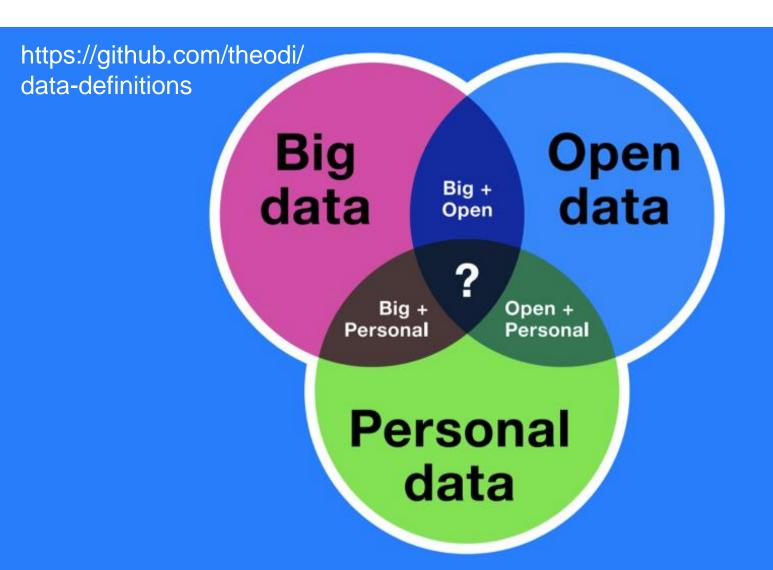


Open government?

The G8 Open Data Charter...

"recognises a new era in which people can use open data to generate insights, ideas, and services to create a better world for all."

Sir Nigel Shadbolt, Daily Telegraph interview, June 2013

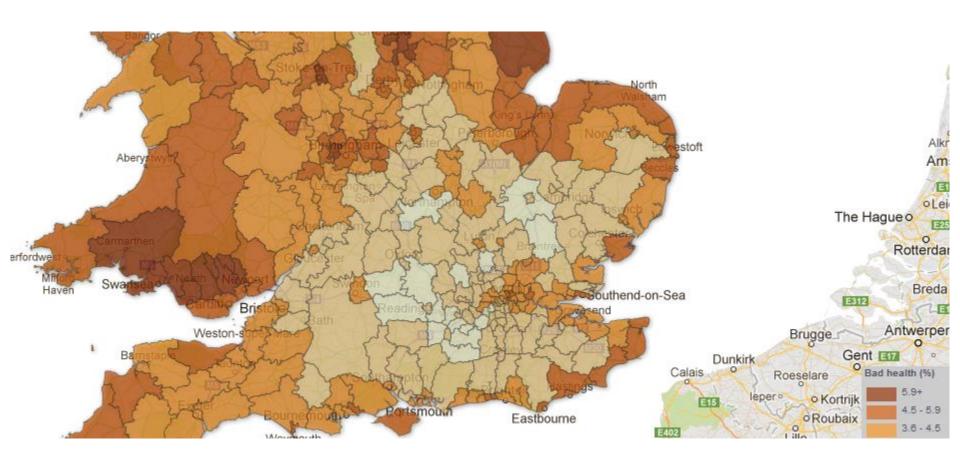


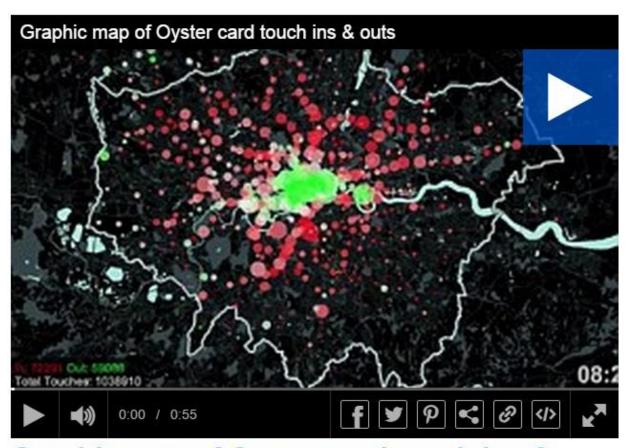


Easyjet – airborne, 1235, 9 November 2015



Do you feel well?





Graphic map of Oyster card touch ins & outs

The data spectrum

Big / Medium / Small data

State / Commercial / Personal data

Specific licensees Anyone meeting the conditions **Authorised** Company-authorised **Anyone** only Corporate IP **Explicitly assigned** Limited sharing Statute Open license license (eg. CC-NC) contract or waiver Combined health National Commercially Your personal A bus security data sensitive information finance records data anonymised timetable



Closed Shared

Open

http://theODI.org

Open Data portals – world wide

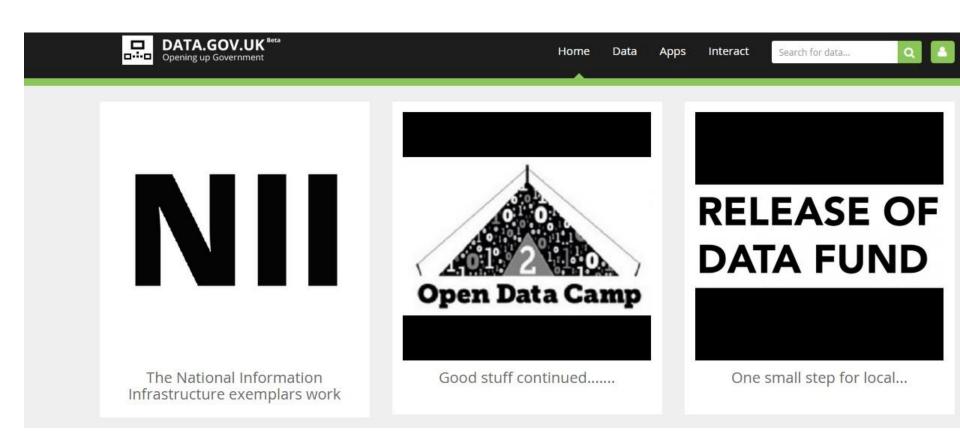


Source: opendatainception.io/

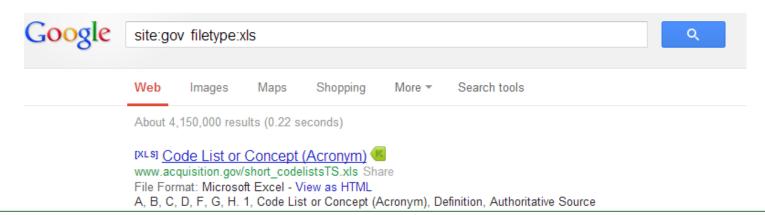
The 3 Basic Steps

- Sorting
- Filtering "Interviewing "your data
- Analyzing pivoting and joining

Data.gov.uk



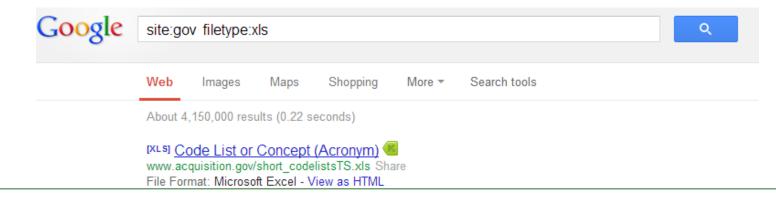
Google...



site:gov.ukac.uk, edu, gov, br, fr, de, ba....

Account Name, Agency Name, Operating Onit, Category, Sector, Amount ...

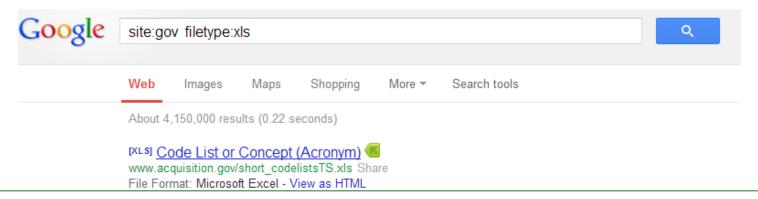
IXLSI TSB Monthly Cash Flow Projection



site:gov.ukac.uk, edu, gov, br, fr, de, ba....

filetype:xls....csv, (also doc, ppt, pdf)

IXLS TSB Monthly Cash Flow Projection



site:gov.ukac.uk, edu, gov, br, fr, de, ba....

filetype:xls....csv, (also doc, ppt, pdf)

inurl:....eg public, upload, 2015, inspection, report, dashboard, data....

Aggregators – curated links to datasets:

Data.gov

Data.oecd.org

Data.worldbank.org

Eurostat

Two main methods of using data as a source

- Story first data used to enhance, fact check, dig deeper
- Data first story found/presented through data analysis

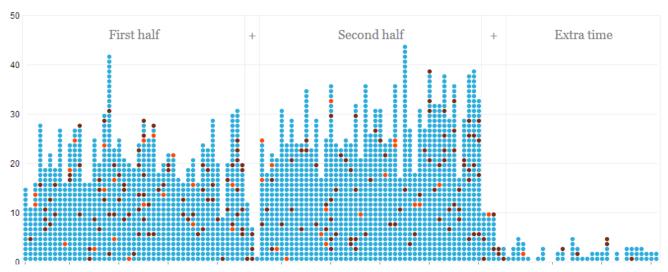
Story, then data

World Cup goals
1930-current

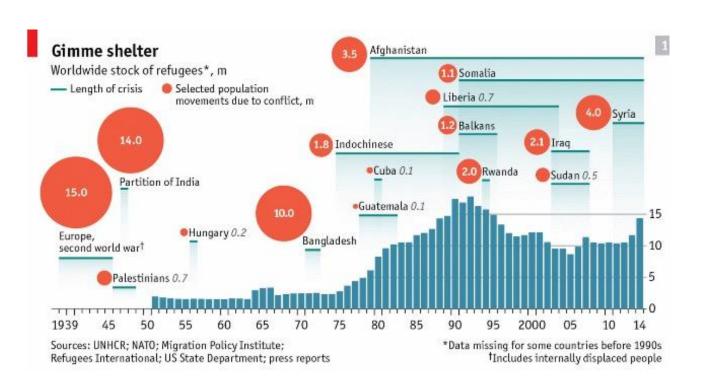
Filter country ▼ Filter year ▼ Filter stage ▼

Total goals: 2,379 of which: Penalties*: $174 \mid \text{Own goals: } 38$

Average goals per game: 2.85



Story, then data



Data – then story



For cops, no limit

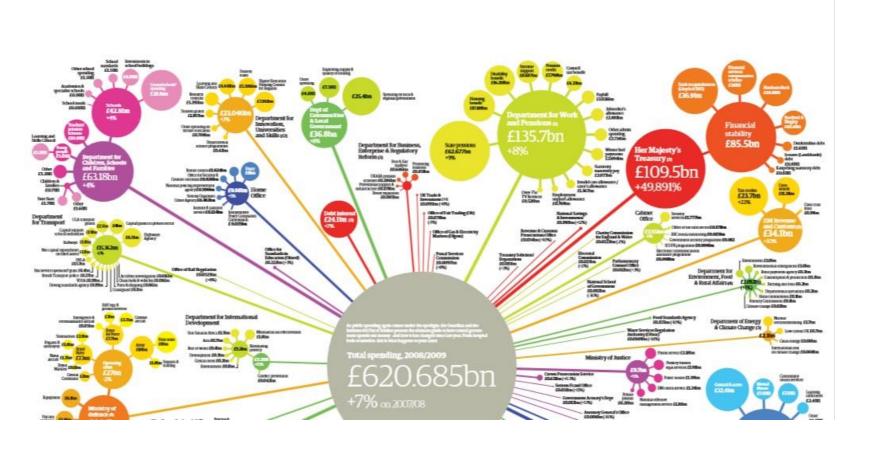
Speeds reaching 90-130 mph are common among police

Even when there's no emergency, even when they're off duty

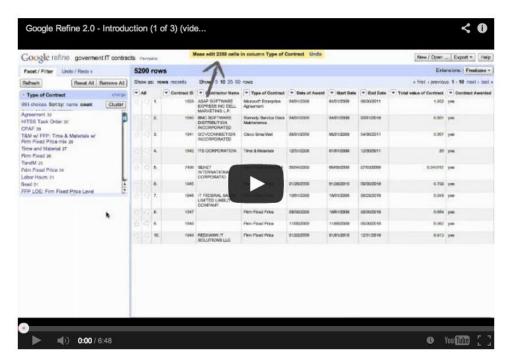
Punishment is rare, despite crashes and deaths

BY SALLY KESTIN AND JOHN MAINES | Staff writers

No story – just context: eg Where does your money go?



Introducing Open Refine



https://code.google.com/p/google-refine/

How should I budget my time?



How should I budget my time?

Explore



Prepare

- 1.1 FIND reliable data sources
- 1.2 Understand its relevance and LICENCE
- 1.3 Visualise and **UNDERSTAND** your data
- 2.1 **CLEAN** your data
- 2.2 **TRANSFORM** it where useful
- 2.3 **COMBINE** it with other data sets

Finding open data

Government data: eg www.data.gov.uk and www.data.gov

Google advanced search

Aggregators and portals

Scraping

Further reading

- Blastland The Tiger That Isn't
- Bradshaw Datajournalism Heist*
- Bradshaw Scraping for Journalists*
- Rogers Facts Are Sacred*
- Yau Visualize This
- Tufte The Visual Display of
- **Quantitative Information**
- Verborgh/Wilde Using Open Refine*

*=e-book only

USEFUL LINKS TO DATA, DATSETS, PORTALS, STORIES 1

http://www.aaronkoblin.com/work/flightpatterns/interactiveMap.html

http://www.justicemap.org/

http://theodi.org/what-is-open-data

http://www.jedem.org/article/view/326

http://www.data-archive.ac.uk/find

http://datacatalogs.org/search

https://openspending.org/datasets?territories=DE

http://www.smalldatajournalism.com/class/fall2013/notes-0923/

http://ec.europa.eu/eurostat/data/database

http://onlinejournalismblog.com/2014/05/20/is-there-a-canon-of-data-journalism/

http://community.openspending.org/map-of-spending-projects/

http://opendatamonitor.eu/

http://www.electoralcommission.org.uk/our-work/our-research/electoral-data

http://www.ons.gov.uk/ons/datasets-and-tables/index.html?content-

type=Dataset&nscl=Labour+Market&pubdateRangeType=allDates&sortBy=content-

type&sortDirection=ASCENDING&newquery=*&pageSize=50&applyFilters=true&content-type-

orig=%22Dataset%22+OR+content-type_original%3A%22Reference+table%22&content-type=Dataset

http://www.electoralcommission.org.uk/find-information-by-subject/political-parties-campaigning-and-

donations/donations-and-loans-to-political-parties

http://www.hscic.gov.uk/searchcatalogue?productid=16855&topics=1%2fWorkforce%2fStaff+numbers&sort=Relevan

ce&size=10&page=1#top

http://www.membersinterests.org.uk/

http://www.theguardian.com/politics/2011/nov/08/house-of-lords-passholders-lobbying

http://ire.org/coursepacks/

http://bigdata.architecture.org/

https://data.medicare.gov/data/supplier-directory

USEFUL LINKS TO DATA, DATSETS, PORTALS, STORIES 2

http://www.data.unicef.org/

https://www.usaspending.gov/Pages/AdvancedSearch.aspx

http://data.worldbank.org/data-catalog/global-economic-monitor

http://www.who.int/research/en/

http://www.theguardian.com/voluntary-sector-network/2012/may/25/open-data-charities-advice?utm_source=Little+ODI+Robot+-

+External&utm_campaign=86dea1f970-Little+ODI+Robot%3A+analytics&utm_medium=email&utm_term=0_ec52052e88-

86dea1f970-101064885

http://www.foi.directory/

https://storify.com/jcstearns/10-lessons-for-open-journalism-from-the-guardian

http://data.worldbank.org/

http://www.goatmustbefed.com/

http://www.one.org/international/follow-the-money/

http://visual.ons.gov.uk/

http://www.informationisbeautiful.net/data/

http://theodi.org/guides/what-open-data

http://www.huffingtonpost.com/randy-krum/false-visualizations-when_b_5736106.html

http://open-data.europa.eu/en/data/

http://opendatainception.io/

http://www.data.parliament.uk/

http://www.networkrail.co.uk/transparency/datasets/

http://www.nytimes.com/2015/03/29/sunday-review/learning-to-see-data.html

http://www.findproperly.co.uk/tube-map.php?utm_source=Little+ODI+Robot+-+External&utm_campaign=9293d5cd8f-

Little+ODI+Robot%3A+analytics&utm medium=email&utm term=0 ec52052e88-9293d5cd8f-101064885#.VZEH1 IVikg

https://data.oecd.org/

http://hdr.undp.org/en/data

http://hdrdata.tumblr.com/

http://www.bbc.co.uk/news/magazine-29915801#?utm_source=twitterfeed&utm_medium=twitter

http://www.followthemoney.org/

http://www.centreforcities.org/data-tool/#graph=map&city=show-all

"Finding stories in Open Data" 1-day course Open Data Institute Theodi.org Follow up support @stonepeople Jonathan.Stoneman@gmail.com