

http://training.theodi.org/InPractice

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Schedule

Day 1: Publishing open data

Day 2: Business, the law and open data

Day 3: Using, enriching and visualising data





Agenda - Today

The characteristics of data

Data discovery patterns

*** Lunch ***

Data publication platforms

Quick big data break

Practical publication hands-on





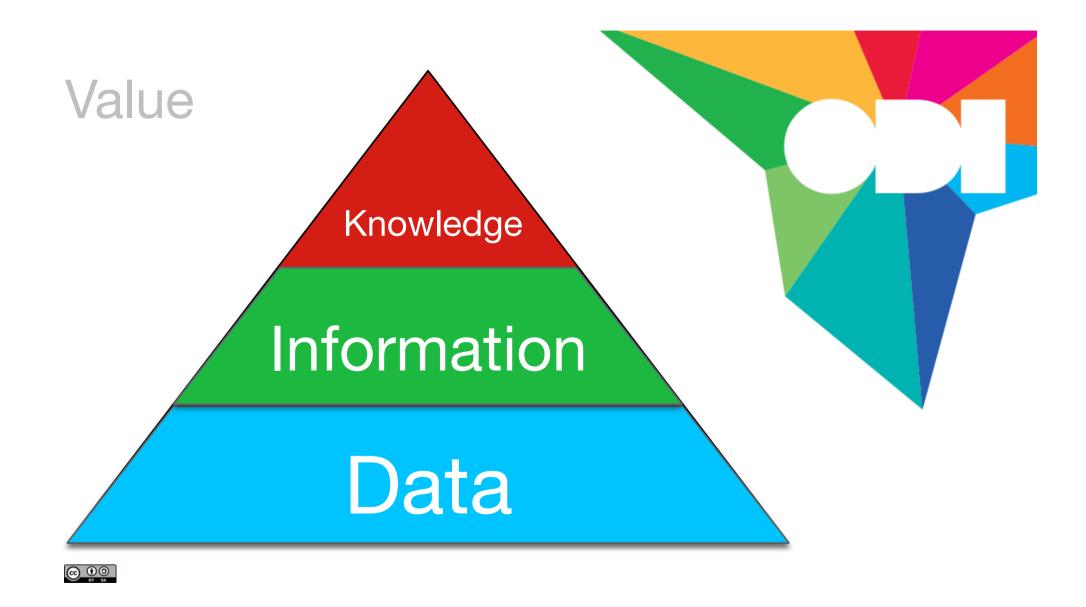
Recap session



What is Data?







What is Open Data?





Definition of Open (OKF)



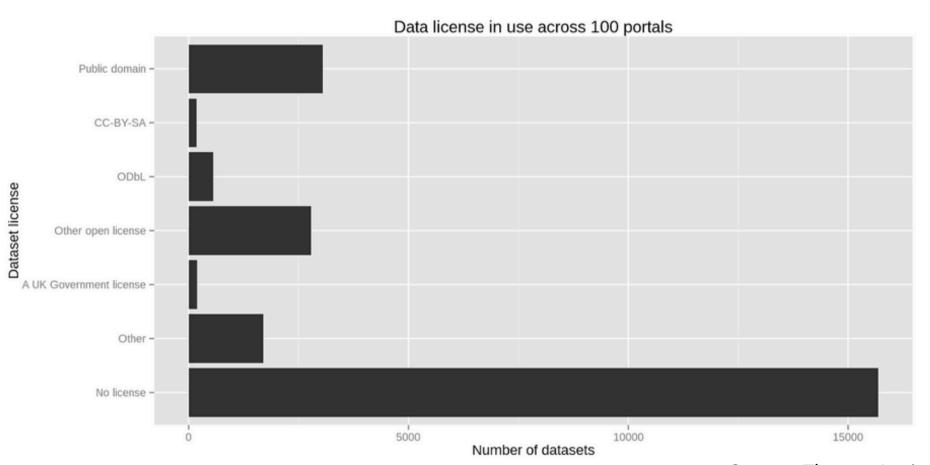
A piece of data or content is open if **anyone** is **free to use, reuse, and redistribute** it — subject only, at most, to the requirement to attribute and/or share-alike.



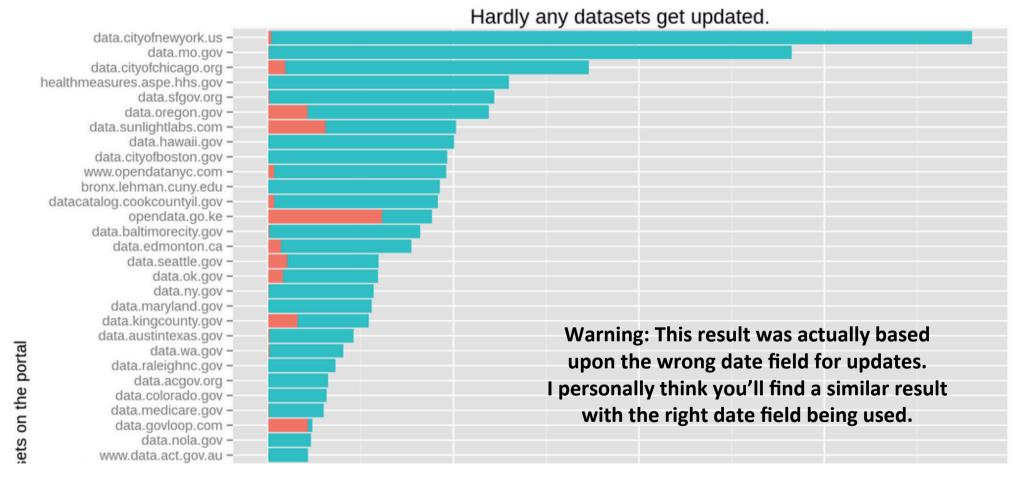
Free	Open Knowledge Foundation	OMB Memo, 2013 The White House Sylvia Burwell et al.	Data.Gov.UK	Antonio Acuña	"DBpedia: A Nucleus for a Web of Open Data Sören Auer et al.	Open Data Institute (ODI) Open Data Institute	LinkedGov LinkedGov	McKinsey James Manyika et al.	Open Data Now Joel Gurin	Open Data Barometer <i>Tim Davies</i>	The World Bank The World Bank
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Negligible Cost									. 🖈		
Publicly Available	*	~		•				~			
Re-usable	*										
Can be Redistributed	/				-						—
Non-exclusive (No Restrictions from copyright, patents, etc.)	~				*	~				~	
Structured for Usability		~	•					~		~	~
Requires "Open" License			•			~	~			~	~
Non Personally Identifiable							~				
Produced during business operation							~				
Belongs to the Taxpayer (when not in violation of laws/privacy)							*				
Accessible in Bulk											



Open data is hardly ever appropriately licensed.



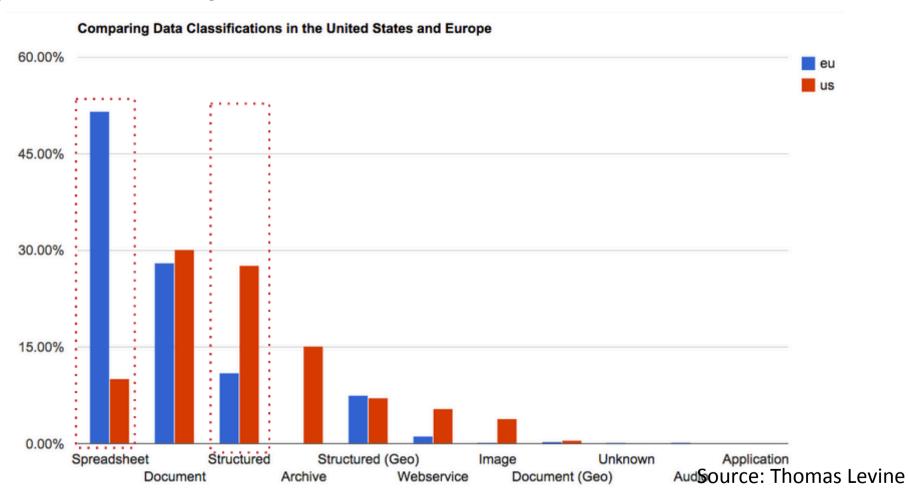
Source: Thomas Levine Source: Thomas Levine





Source: Thomas Levine

Open data is rarely structured.



Today's mission

To move to phase 2 of publishing open data and solve some of the phase 1 problems.





Publication phases

Phase 1: Get the data online, in some form. This will help with the trust and transparency and community building.



Phase 2: Increase the usability of the data by potentially publishing differently and keeping it up to date.



Session 1 The characteristics of data



Exercise (part 1)

In your pre-training exercise, you were all asked to identify a dataset.

In your groups briefly discuss each others datasets and write down some key characteristics of each.

Also write the dataset title on a post-it, one per post-it.



Types of Data



Reference data

"things"

Transaction data

"stats involving things"





Categorize your data into reference and transactional data.

If they are all in one category you have 2 minutes to add some new datasets to the empty category.

When done, put a "T" or and "R" on each dataset post-it.



Types of Data



Reference data

"things"

People Facilities Places
Books Buildings

Transaction data

"stats involving things"

Expenditure
Weather Consumption
Observation





Update frequency





Categorize your data into frequency of updates

If they are all in one category you have 2 minutes to add some new datasets to the empty category/ies

Put a number on your post-its representing the frequency of updates.

0 = static, 1= In frequent, 2 = Frequent, 3 = Live

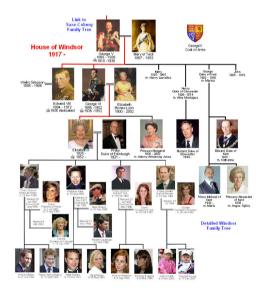


Data Representations

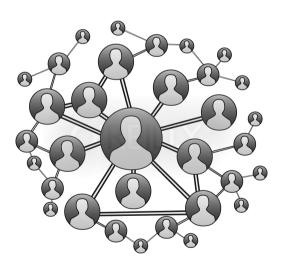
Tabular

Region	Production			Y
Country Level 2	Production (thousand MT)	Change from last year	Change from 5 year average	Yi (b
Brazil	57289	-4.05%	+2.66%	
Mato Grosso	18,008	0.90%	6.17%	
Parana	9,571	-19.55%	-9.08%	
Rio Grande do Sul	7,844	0.88%	9.35%	
Goias	6,820	4.23%	5.27%	
Mato Grosso do Sul	4,218	-7.69%	-1.97%	
Minas Gerais	2,667	5.12%	2.41%	
Bahia	2,512	-8.58%	4.84%	
Sao Paulo	1,392	-3.77%	-6.81%	
Maranhao	1,087	-13.93%	0.58%	
Santa Catarina	1,039	9.81%	13.35%	
Tocantins	902	-0.96%	7.05%	
Piaui	856	4.49%	23.75%	
Para	194	-3.13%	1.02%	
Distrito Federal	155	1.37%	-1.11%	
Roraima	22	-54.10%	-41.70%	

Hierarchical



Network/Graph





Categorize your data into tabular, hierarchical (tree) and graph (network)

If they are all in one category you have 2 minutes to add some new datasets to the empty category.

Add the word "tab", "tree" or "net" to your post-its to represent the different structures.



Justifications

Trust and Transparency

Enabling the economy



One more

Categorize your data into transparent and enabling.



Summing up

Do you have any obvious grouping of your datasets?

Is this reflective of the whole open data ecosystem?





Pick one "group" of datasets that share similar colours and come up with a data publication strategy for getting these datasets online and usable.

What are the publication requirements on the human publisher?

What are the requirements on potential users?



