



WIKIDATA

(a short introduction to)



We will cover:

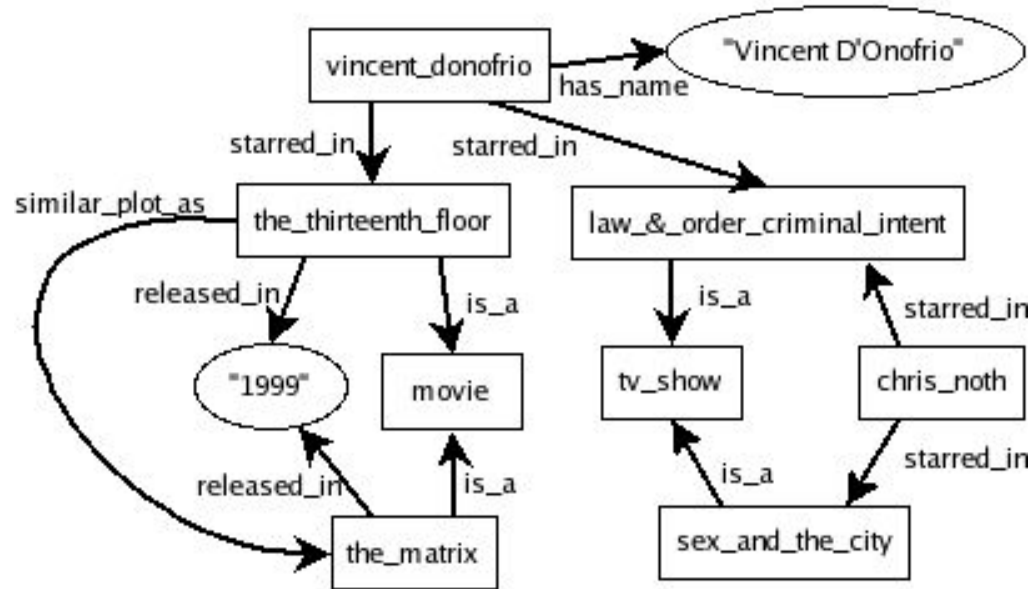
- **What is Wikidata?**
- **What are Items, properties and statements?**
- **What does the Wikidata interface look like?**
- **How is Wikidata linked to other Wiki projects?**
- **Why Wikidata?**
- **How to edit it**



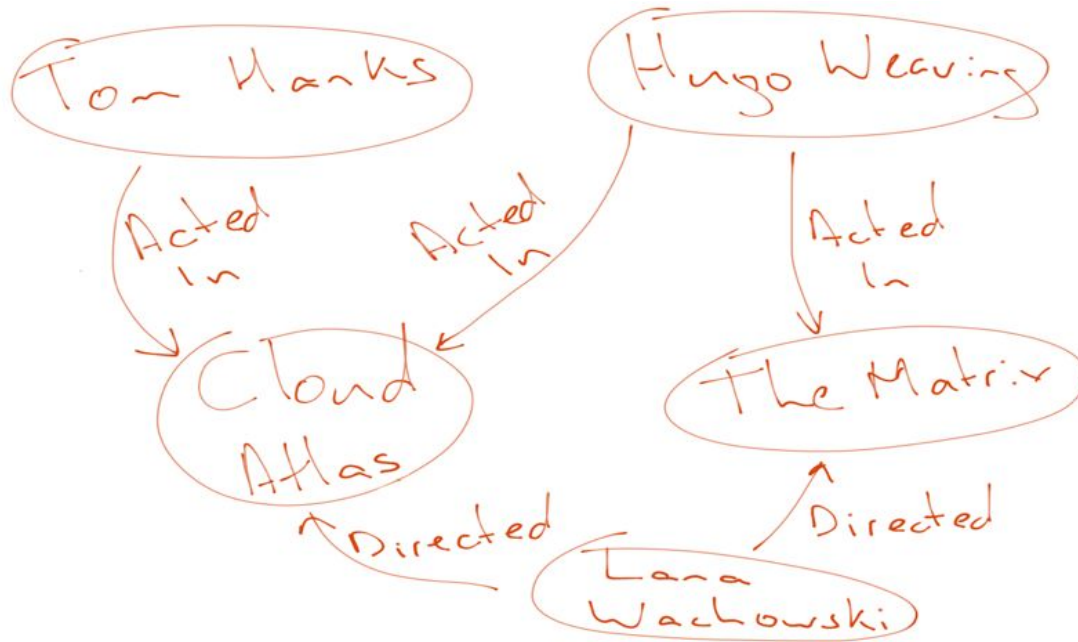
Wikidata

- All the things on Wikipedia and more
- 103M items
- Multilingual
- In RDF format

What is RDF?



What is RDF?



What is RDF?

7 | 10

A	B	C	D	E	F
Actor	Movie (actor)	director of movie 1	Movie 2 (actor)	director of movie 2	Movie 3 (director)
<i>Tom Hanks</i>	Cloud Atlas	Lana Wachowski	~		That Thing You Do
<i>Hugo Weaving</i>	Cloud Atlas	Lana Wachowski	The Matrix	Lana Wachowski	



Wikidata has Items, not articles

- [Douglas Adams](#)
- [Full Wikidata item](#)



Properties, not paragraphs

- “Instance of”, “Creator of”, “Significant work”
- Can point to different data types (plain text, other items)
- There can be constraints
- [All the Wikidata properties](#)



Lexemes not words

- Woda
- Acqua
- Ur

So why Wikidata?

- **Unstructured data was hard to search and query**



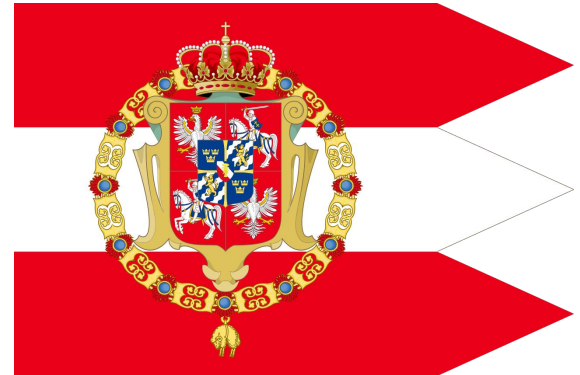
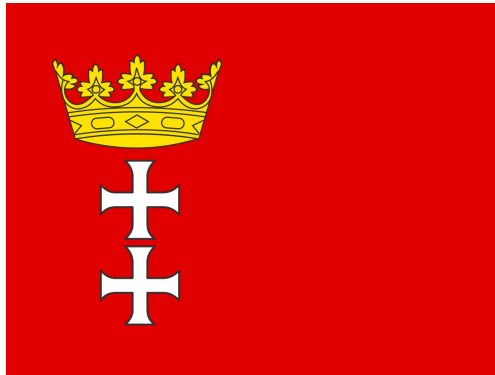
- Names can be ambiguous




Q7307
vs
Q124179



- Multiplicity: things can be multiple things depending on times, dates or different sources



- 
- Multilingual labels and language in structured data form is better for search and offers potential for languages



Wikidata links to other Wikimedia projects

- [Wikipedia links](#)
- [Wikimedia Commons](#)

How to edit and create

- [Editing an item](#)
- [Creating an item](#)






Try it yourself at:

[https://test.wikidata.org/wiki/Wikidata:Main Page](https://test.wikidata.org/wiki/Wikidata:Main_Page)

Or easier to get to

bit.ly/wikidatatest



Or if you are feeling more confident, create an item for one of the 380,000 things in the Science Museum Collection

<https://collection.sciencemuseumgroup.org.uk/>

Or search

“Science museum collection search”



How to edit and create at scale

- Openrefine
- Community tools like [Quickstatements](#)



The wikidata query service

- Allows for querying Wikidata
- Allows for querying across multiple databases with a SPARQL endpoint
- Has limitations, some questions are too big!
- We can look at some queries collected [here](#)



Any follow up questions

- Please contact me at
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- Link to these slides
bit.ly/senatehouseCE