

Supporting Open Research

The role of an academic library

#SciData17 · Wednesday 25 October 2017

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Overview

What is a modern research library?

Why are we involved with Open Research?

What can we do for you?

A reminder

Submit questions at slido.com/scidata17

These slides at jcope.shef.ac.uk/talks

[doi:10.15131/shef.data.5537269](https://doi.org/10.15131/shef.data.5537269)

About me

Not a real librarian

Shh, don't tell anyone!



"Why do we still *need* libraries?"

"I mean, I can get everything online for free now..."



A library is more than a building full of books

What do *librarians* do?

“Librarians consider free access to information the foundation of democracy.”

— *Marilyn Johnson (2011), This Book Is Overdue!: How Librarians and Cybrarians Can Save Us All*

Traditional librarianship expertise

Discoverability

Metadata

Information management
systems

Preservation

Copyright/licensing

Information literacy

Policy

Teaching

So what?

Librarians manage information

Librarians facilitate access to information

Research *is* information...

A glowing lightbulb is positioned in the upper left quadrant of the frame, casting a warm, yellowish light onto the wooden surface it rests on. The background consists of dark, textured wooden planks. A black, rounded rectangular box is centered horizontally across the middle of the image, containing the text 'Aha...'.

Aha...



**What can your librarian do for
you?**

Library Strategic Plan

At the University of Sheffield

Theme 2 (of 6): "Research Excellence & Impact"

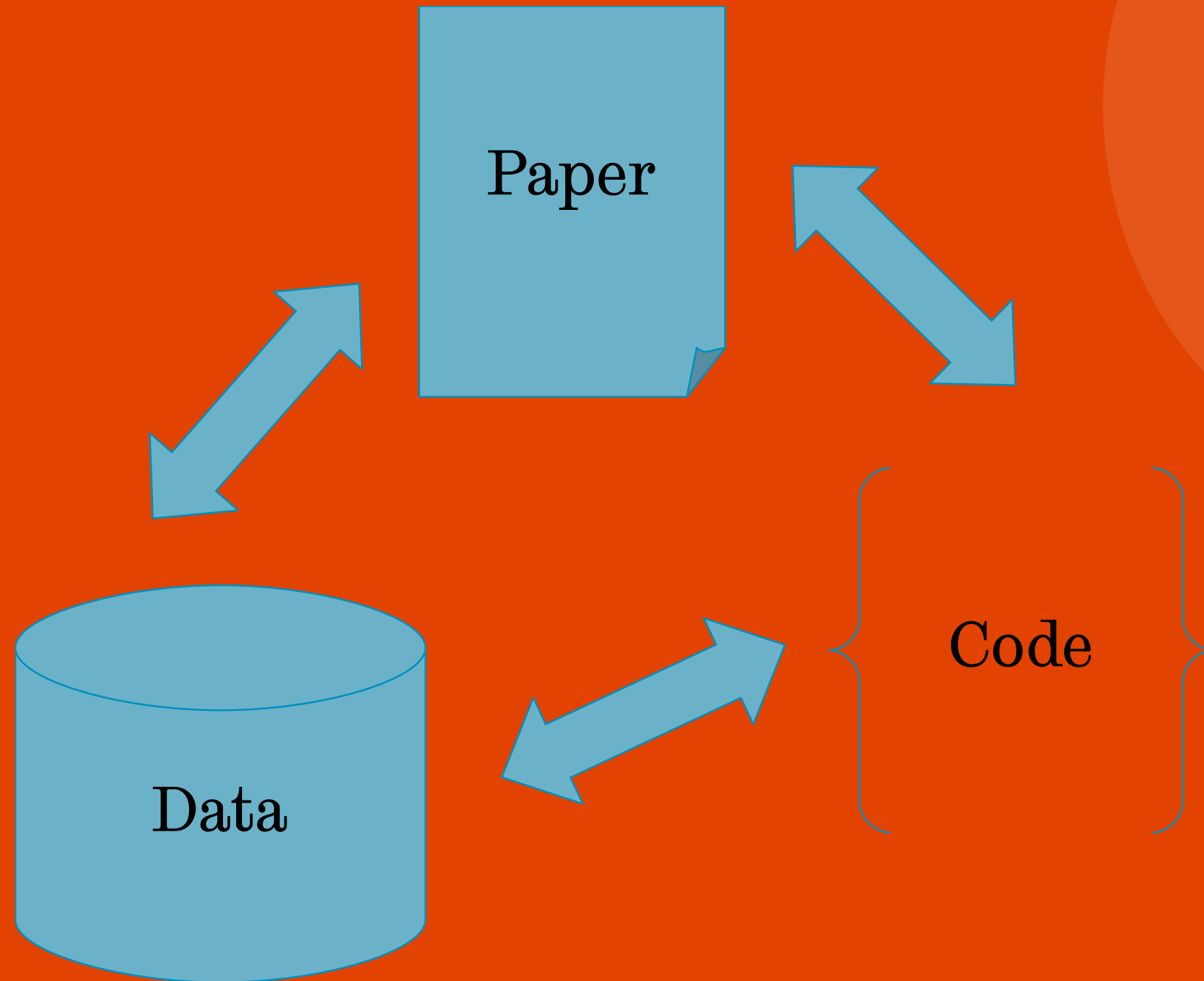
Highlights

"...cohesive offering of library research services..."

"...new models of scholarly communication..."

"...secure digital assets for the future..."

The "Holy Trinity"



FAIR data

Findable

Accessible

Interoperable

Reusable

(of course...)

Discoverability

Help make your content easier to find
...and therefore more likely to have an impact

Measure that impact with traditional & alternative
metrics

E · A · I · R

Metadata

Help make your content...

articles, books, data, software, whatever

...easier to navigate and understand

F · A · I · R

Information management systems

Ways of storing your content to maintain your sanity

That includes both digital and physical systems

F · A · I · R

Preservation

Keep your content available over decades and centuries

F · A · I · R

Copyright/licensing

Navigate a complex landscape of rights and responsibilities

F · A · I · R

Information literacy

Evaluate the quality of information sources

F · A · I · R

Policy

Stand up for the needs of our users

F · A · I · R

Open access to publications

Article Processing Charges (for paid/gold OA)

Institutional repository (for self-archiving/green OA)

Open data

Data repository

Data management plans

Open research generally

Writing guidance

Teaching (and developing
teaching materials)

Planning

Managing projects

Community building

Infrastructure building

Policy development

Service evaluation

...

Collaborations

Within the Library

IT service

Research office

Research software engineering

Research ethics

Faculties, departments & institutes

Collaboration example: research software engineering

RSE

- Code quality
- Testing
- Reproducibility
- Data science

Library

- Data/information management
- Copyright/licensing
- Metadata
- Preservation

Together

Training · Policy · Lobbying

New directions

Browse ORDA

- All items
- Faculties
- Categories
- Conferences
- Institutes
- Visualisation Showcase**

[Home](#) / [Visualisation Showcase](#)

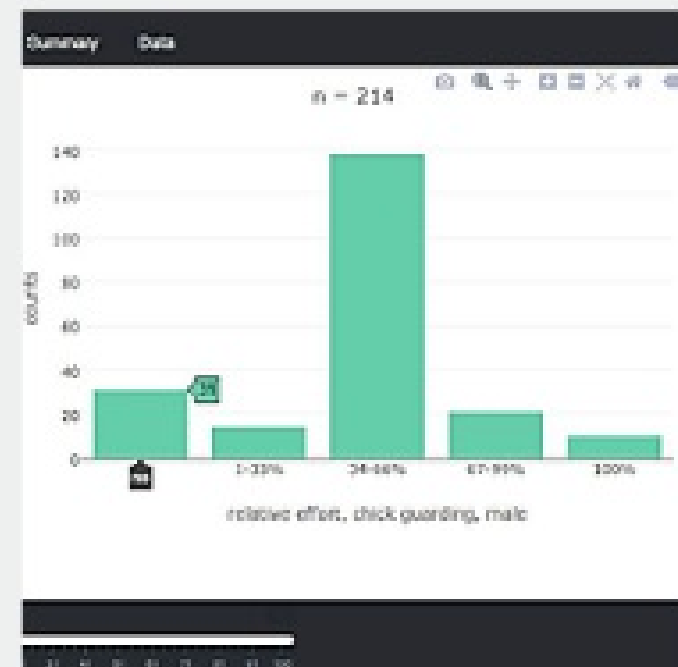
Visualisation Showcase

This area shows some examples of visual representations of our research that you can view and explore directly in your web browser. Some are fully interactive and allow you to investigate different facets of the available data.

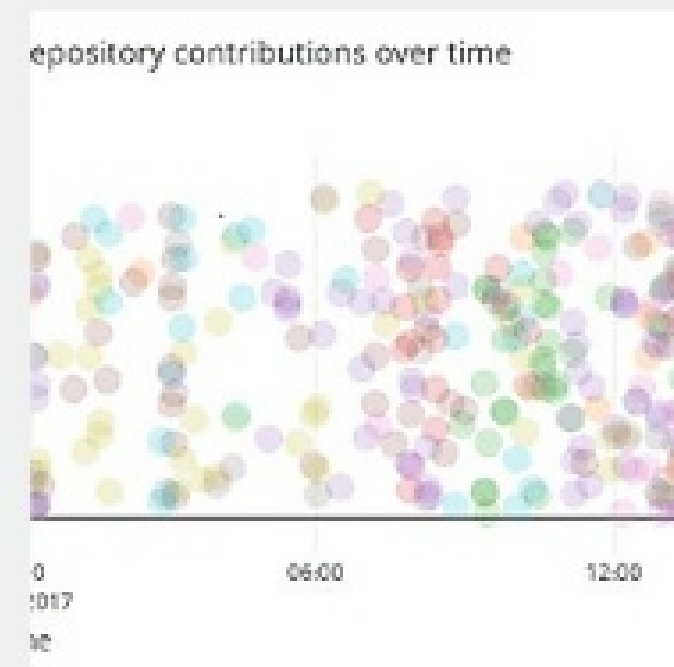
We plan to develop guidance and training which can enable researchers build visualisations from their own research data, using free and open source tools.

If you have a visualisation that you would like to display here or can tell us more about the tools you use (or would like to use) to present data visually, please contact us at rdm@sheffield.ac.uk, though please note this work is still in a pilot phase.

Data visualisation



Sex roles in birds



#mozspint Library Carpentry 2017

Data librarians

Hybrid librarian & data scientist

Often embedded in research departments

(More common in the US)

A detailed photograph of a carpenter's workshop. The background is a wall of vertical wooden planks, densely populated with various hand tools hanging from nails. These include hammers, chisels, planes, and various types of vices. To the right, a wooden shelving unit holds more tools, including a large set of square bits or chisels organized in rows. The lighting is warm and focused, highlighting the textures of the wood and the metallic surfaces of the tools.

Library Carpentry

Data skills for *all* librarians!

The background image shows a wooden desk with an open book, a pair of black-rimmed glasses, and a smartphone. The text is overlaid on a semi-transparent dark rectangle in the center of the image.

New scholarly communications

Data journals

Short-form monographs

Student journals

Altmetrics

What can you do for your librarian?

Ask questions

Invite them to contribute

Let them know what you need

Tell people how much you still get from the library

Oh, and please submit your reading lists on time... 😊

Acknowledgements

Research Support Unit, University Library

CICS, Research Services, RSE at Sheffield

Everyone whose ideas you've just seen!



Questions?
Thanks for listening!

Questions?



Join at
slido.com
#scidata17

Top questions (1)

Keynote #4 - Jez Cop...

J Jane

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What's the best thing a library can do to help me with my data?