Approaches to tracking the impacts of library- and press-published monographs

Project Meerkat

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A vision conceived in collaboration with

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at the 2015 Scholarly Communication Institute (trianglesci.org). Others are now involved as well:

- Peter Berkery (Association of University Presses)
- Martin Paul Eve (Birbeck, University of London / Open Library of Humanities)
- James MacGregor (Public Knowledge Project)
- Cameron Neylon (Curtin University / KU Research)
- Lisa Schiff (California Digital Library)
- Melanie Schlosser (Library Publishing Coalition / Educopia Institute)

Data on scholarly publishing

Not

- datasets created by researchers
- other types of research outputs sometimes grouped together under "research data"

but rather *big data about published research.*

What kind of big data about published research? (1)

Data generated by publishers and aggregators of content

- **purchasing data**: customer type, number of copies, how much they paid, when they purchased
- **licensing data**: who licenses, how much they pay
- **online usage data / web analytics**: number of hits or visits, demographics of users, types of use (search vs. browse vs. download, part vs. whole)
- **subject classification** of products

What kind of big data about published research? (2)

Data from research institutions

- **Library data**: holdings, circulation, link resolver stats, subject classification
- **Structured productivity data** captured in an online faculty CV system, which may be referred to by any of the following names:
  - current research information system (CRIS)
  - faculty profile system
  - research profiling tool
  - research networking tool
  - research information system
  - research information management system (RIMS)

What kind of big data about published research? (3)

Data from third parties

- from **bibliometrics services**: journal-level metrics, article-level metrics, author-level metrics (including altmetrics)
- from **social networking sites**: Academia.edu, ResearchGate

All of these, like other forms of big data, can be used for various types of assessment and also for *predictive analytics:*

Which publications are most likely to be purchased, used, and cited?

We want the scholarly community to retain control over data related to publishing and be able to exert influence on how it's used.

We're going to need

- input and cooperation from all stakeholders in the system
- a neutral group taking on this work

Independent confirmation

Such as

- ISO 9001 (quality management)
- COUNTER (online usage statistics)

What if

we formed a cooperative of libraries, scholarly societies, publishers, aggregators, and other stakeholders, who would each contribute to the governance of this member organization.

Members contributed data they create about scholarly communication (their small view of the world).

The cooperative, thanks to member fees, had staff and tools to aggregate, normalize, and contextualize this data for its members, showing them how their data relates to that of all members but in a way that adheres to a code of conduct.

Members would have to agree to adhere to the code of conduct in how they use the data that they get back from the cooperative.

educopia.org/research/meerkat

http://hdl.handle.net/2027.42/143840