Current Practices and Future Challenges in Metrics-based Services

Hunter Forum | ALA MidWinter
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Definitions

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Bibliometrics: quantitative analyses of publication data using document-, author-, or source-level data elements to uncover characteristics, patterns, relationships to demonstrate individual investigator or research team productivity, quality, or impact.

Article-level metrics: [emerging metrics which] allow for measuring usage of a publication, including the public or social engagement at the document level.

“Metrics Explosion”

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Bibliometrics

Article-level

Broader Impacts
Metrics-based Services

- Providing informational resources on bibliometrics, altmetrics, and tools
- Developing workshops, presentations, and training materials for individual researchers
- Preparing reports at the individual, departmental, or institutional level
- Offering individual consultation

Professional Development

Bibliometrics & Research Assessment: A FREE Symposium for Librarians and Information Professionals!

Posted on 26 August 2016:

When: Monday, October 31, 2016, 8:30 am – 5:00 pm and Tuesday, November 1, 2016, 9:00 am – 4:00 pm (on-site training)

Where: National Institutes of Health, Clinical Center, Bethesda, Maryland: Directions

Posters

- A 10-Year Evolution of Metrics Support for an Academic Research Institute: A Case Report (PDF)
  Andrea Szwarz & Christine Shaw, St. Boniface Research, University of Manitoba
- A Holistic Approach to Assess and Increase Research Impact (PDF)
- Searching by Grant Number: Bibliometric Analysis of Cited Funding (PDF)
  Kimberly Powell, Woodruff Health Sciences Center Library, Emory University
- The Bibliometric Services at the NIH Library (PDF)
- Citation Impact Tool: Visualize Field-Adjusted Citation Impact (PDF)
  Michael Bajoc, Paul Albert, Prakash Adhikanattu & Terri Wheeler, Weill Cornell Medicine
- The Mosaic of Translation: An Analysis of Translational Medicine Publications (PDF)
  Karen Guzman, Pamela Shaw, Ehsan Mohammadi & Krist Holmes, Northwestern University Feinberg School of Medicine
- The Role of New Metrics in Evaluating Non-Traditional Scholarly Outputs (PDF)
  Catherine Williams & Sara Rouhi, Altmetric LLP
- The Search for Metrics’s Holy Grail and Lessons Learned Along the Way (PDF)
  Daniela Solomon, Case Western Reserve University
- Framework for Bibliometrics and Researcher Impact Services in a Multi-Campus Institution (PDF)
- Tooling Up: Exploring and Evaluating Bibliometric and Social Network Analysis Tools for Use with Research Communities (PDF)
University of Massachusetts Medical School
Departmental Benchmarking (External)

“I’m looking for a way to evaluate our research performance against other [peer] departments.”
Cross-departmental Collaboration (Internal)

“How can I show collaboration within my group?”
Immediate Challenges

- Author Disambiguation: encouraging the use of identifiers and consistency in naming, advocating for better tool responsiveness

- Context: understanding what different metrics are calculating and applying them appropriately to service questions

- Skills: investing in ourselves
Future Challenges:

- Open Access: how do we measure openness as a dimension of a research product
- #FuturePaper: what does that mean for metrics?
Thank You

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