AltMetrics

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Perception

- Naïve Faculty Member & Scholar

- Administrator

- Editor

JOURNAL OF
SPORT REHABILITATION
The Scientific Source for Clinically Based Evidence to Advance Rehabilitation for the Physically Active

Altmetrics

- Data and knowledge bases refer to it,
- Article views,
- Downloads, or
- Mentions in social media and news media.[5][6]

Transition for old dogs

- Blogs
- Tweets
- Social Media
- Linked-In

- Most common metric for evaluating research impact has been the number of times a research article is cited by other articles.

- The number of citations received by the journal that published the article, summarized using a formula called the *journal impact factor*.

- *Journal Impact Factor*
  VS. **alt**ernative **metrics** of impact.

- A = the number of times that articles published in a two year span were cited by articles in indexed journals .
- B = the total number of "citable items" in a two year plan. ("Citable items" are usually articles, reviews, proceedings, or notes; not editorials or letters to the editor.)
- Impact factor = A/B.

PROS

- Reviewed by Peers
- Specialized area of study
- Studies that are referenced more are considered more impactful
  – Sound familiar

CONS

- The more prestigious most read journals are higher ranked
- Can Be manipulated (review papers)
  – Sound familiar

- More financially viable have higher impacts

- Of importance for Administrators is the

  Determination of a Faculty Members Expertise and Impact

- How do you combine all the various metrics that are available to best present a faculty members expertise?

- Possibility of only rewarding the most promising of studies. *Journal of non-significant results*

Temporal Issues

- How to gauge long term success via altmetrics
  – Longevity of conversations……length of threads

Typical Considerations of the Current Publication Process

- Distribution of the Research that you publish versus where did you publish

- Peer Review provides a basis for examination by experts in your field

Electronic CV

- What will it look like?
- Will your links be automatically updated?
- Will it be more like a web page with current publications, tweets, social links, and links to previous and current conversations
- Links to all the companies that assess metrics
  - This has the potential to be very confusing
- Bibliography will be live

How are all these scores calculate?

- https://www.researchgate.net/publicprofile.RGScoreFAQ.html

WARNING! IT'S BUYER BEWARE

WARNING Fake Reviews, Fake Blogs, General Fakery

What I can't grasp is how and with how many metrics?

- Impact Story: http://impactstory.org/
- PLOS Article-Level Metrics Application: http://api.plos.org/alm/using-the-alm-api/
- Altmetric.com: http://www.altmetric.com/
- Plum Analytics: http://plumanalytics.com/

ResearchGate

- Research Gate https://www.researchgate.net/aboutus.AboutUs.html

Journals

- How do they get involved?
- Will the journal with the most money be most successful in disseminating data?
- Will journals need to be the repositories for data?
- What is the role of journal editor to determine PR and impact ?

Is the researcher with the most altmetrics the most impactful?

- Encouraging researchers to tell their own impact stories on their CVs, using broad sources of data, will help spur a much-needed conversation about how research evaluation is done and should be done in the future.

The Power of Altmetrics on a CV, *Heather Piwowar and Jason Priem, Bulletin*, April/May 2013

- • Supplement existing usage statistics to provide a broader range and interpretation of research-output impact for the benefit of authors

How do you train the next generation of Faculty

- • Trained as scholars and teachers
- • Trained to disseminate research and use social media??
- • Is or will this be a product of a good department/college??
- • Who pays for such a service? Altmetric
- • www.altmetric.com

- • I think the argument is not the use of metrics, like journal impact factors nor their importance of establishing (some form of) assessment of a broad range of scientists and scholars. Similar to " a Z score" how can you compare different people, metrics, and scales, respectively.

- • I think what is most important is how do you capture and paint a comprehensive picture of the dissemination of information using all the technological tools that are available to us.

Thank You

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