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## Who's Talking About (and Citing) Me? Tracking Your Work using Databases, Google, Web of Knowledge, and Altmetrics Tools

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# Measuring Your Research Impact

## Citation and Altmetrics Tools

*University Libraries Search Savvy Seminar Series  
April 9 & 10, 2014*

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# Scholarly Impact

*How do we measure the impact of our work?*

# Journal Impact Factor

“The impact factor (IF) of an academic journal is a measure reflecting the average number of citations to recent articles published in the journal. It is frequently used as a proxy for the relative importance of a journal within its field...”

— Wikipedia, “Impact factor”

# What's wrong with the IF?

- Most citations are to a small number of a journal's articles. The IF doesn't tell us if a particular article is highly cited or not.
- Can be "gamed" by editorial policy, e.g. by requiring authors to cite other articles that appeared in the journal or by commissioning review articles which tend to receive a lot of citations.
- Only applies to journal articles.

# **San Francisco Declaration on Research Assessment (DORA)**

“Do not use journal-based metrics, such as Journal Impact Factors, as a surrogate measure of the quality of individual research articles, to assess an individual scientist’s contributions, or in hiring, promotion, or funding decisions.”

— <http://am.ascb.org/dora/>

# What is the alternative?

## Article-Level Metrics

Quantify how individual articles are being used

## Altmetrics

Extend the measurement of impact beyond journal articles and beyond the academy

# Article Level Metrics

- Measure impact at the article level, e.g.
  - citation counts
  - download counts
- These can include altmetrics
- Example: PLoS
  - <http://dx.doi.org/10.1371/journal.pmed.1001603>



# Altmetrics

- More research outputs (not just articles)
  - books, book chapters, data sets, computer code, presentation slides, posters, blog posts, digital humanities projects, websites
  - Products must be online

# Altmetrics

- More types of impact (not just scholarly)
  - SCOPUS and PubMed Citations, Mendeley saves, CiteULike saves, tweets, blog posts, media mentions, delicious bookmarks, Wikipedia citations, etc.
  - Different “flavors” of impact demonstrate scholarly value as well as real-world impact (funders and universities care)

# Altmetrics

- More immediate
  - Can demonstrate impact right away rather than waiting for citations to accrue

*=> Can free scholars to experiment and receive credit for new types of scholarly products*

# Finding Citations to Your Work

- Not one-stop shopping.
- May need to use multiple tools from multiple disciplines.
  - Web of Science
  - Google Scholar
  - Others, such as PsycINFO...

## Let's Try...

- Search Web of Science/Web of Knowledge for your citations
  - Be aware of author searching convention:  
Lastname F\* finds variations of names
  - Note that not all journals/citing journals are in WoK
- Set up a Google Scholar profile
- Search for yourself; add items to your library

# Altmetrics Tools

- Aggregate citations and broad measures of impact from around the web
  - Usage, mentions, social media, saved citations
- Enable compiling, sharing, promoting your work
- Implemented at institutional level or for individual researchers

# Institutional level tools

- Altmetric ([www.altmetric.com](http://www.altmetric.com))
  - Tracks social media sites, news outlets, and citation managers (Mendeley, CiteULike)
- Plum Analytics ([www.plumanalytics.com](http://www.plumanalytics.com))
  - Tracks wide range of usage, mentions, citations
- Both now in DigitalCommons@URI!
  - Example: <http://digitalcommons.uri.edu/gsofacpubs/29/>
- And, view a summary of URI in PlumX:
  - <https://plu.mx/g/samples/uri>

# Tools for Individual Researchers

- ORCID researcher profiles (<http://orcid.org>)
  - Get a unique researcher identifier
  - Create a profile and bring together your works
  - Integration within publishers and repositories
    - <http://orcid.org/organizations/integrators/current>
- ImpactStory (<http://impactstory.org>)
  - Create a profile, import citations & view altmetrics statistics from many sources
  - example: <http://impactstory.org/CarlBoettiger>



# Let's Try...

- Register for an ORCID ID
  - <http://orcid.org>
- Set up an ImpactStory account
  - <http://impactstory.org>
- Import ORCID & Google Scholar data to ImpactStory

# Promote Your Work

- Deposit your articles in DigitalCommons@URI per the URI OA Policy (<http://uri.libguides.com/oapolicy>)
- Create a SelectedWorks faculty profile page (<http://works.bepress.com>)
- Make your datasets, computer code, presentation slides, posters, etc. available online
- See our guide at <http://uri.libguides.com/researchimpact>