

WHERE AND HOW KNOWLEDGE ON DIGITAL LIBRARY EVALUATION SPREADS: A CASE STUDY ON CONFERENCE LITERATURE



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AIM & SCOPE OF RESEARCH

- Can 'altmetrics' - in the form of Mendeley Readership statistics - reveal knowledge diffusion patterns?
- Can data from 'altmetrics' - in combination with traditional metrics - help us create quality profiles of conference papers?

ALTMETRICS

- A new portfolio of metrics, based on automatically processed web interactions and transactions.
 - Downloads, Views, Shares, Likes, Tweets, etc.
 - Alternative: contradiction with the existing system of calculation and assessment.
 - Complementary: relation of 'altmetrics' with citations.



CONFERENCE LITERATURE

- An overlooked publication venue
- Hard to index / calculate
 - differences in periodicity
 - unavailability of a commonly agreed quality system
 - superabundance of events

MENDELEY : WHY

- A reference management system.
- A social network for scholars.
- Mendeley's coverage, especially in cases of very specific venues, such as the conferences, has proven to be very broad.
- www.mendeley.com

RESEARCH SETTING

- Corpus
 - number of papers: 224
 - domain: digital library evaluation
 - sources: two conferences, JCDL and ECDL
 - period: 2001-2011
- Data
 - Mendeley Readership statistics
 - Google Scholar citations

READERSHIP NETWORK

- nodes = countries
 - reader's country (v_{ai})
 - paper's country (v_{bi})
- edges (v_{ai}, v_{bi}) = state of readership
 - the inclusion of a paper b in the collection of a Mendeley reader a .

WHERE IT FLOWS : JCDL



WHERE IT FLOWS : ECDL



READERS

discipline

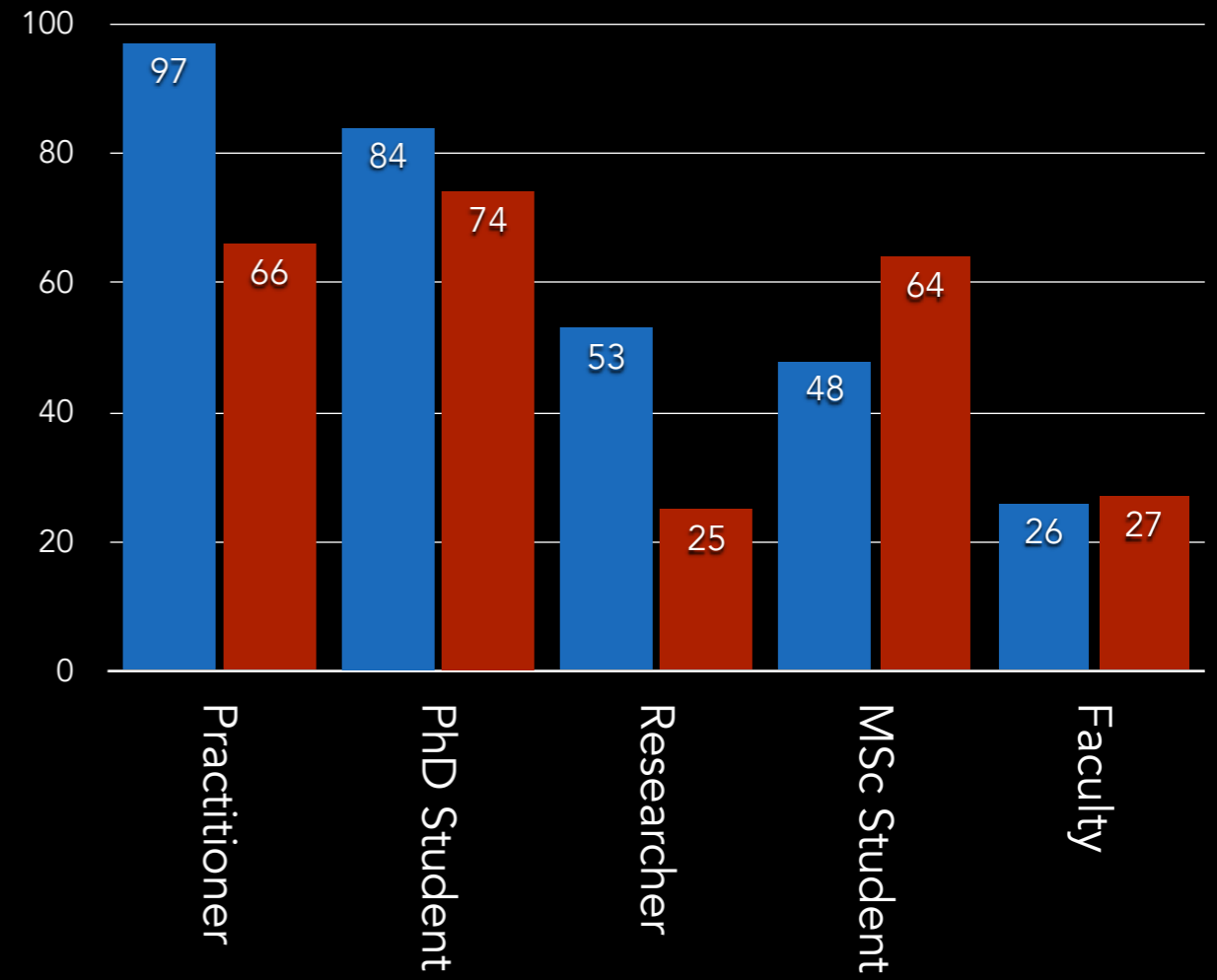
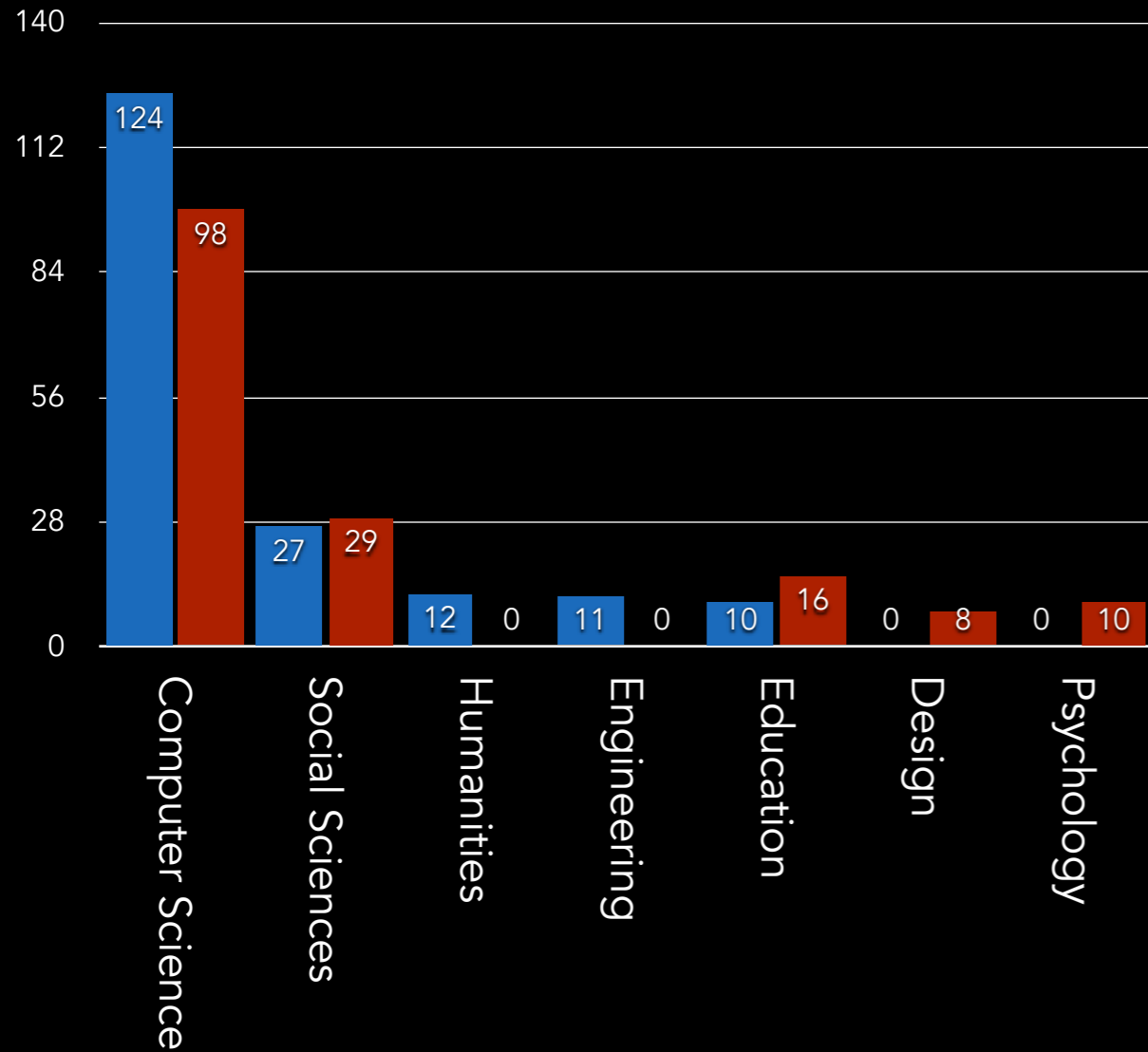


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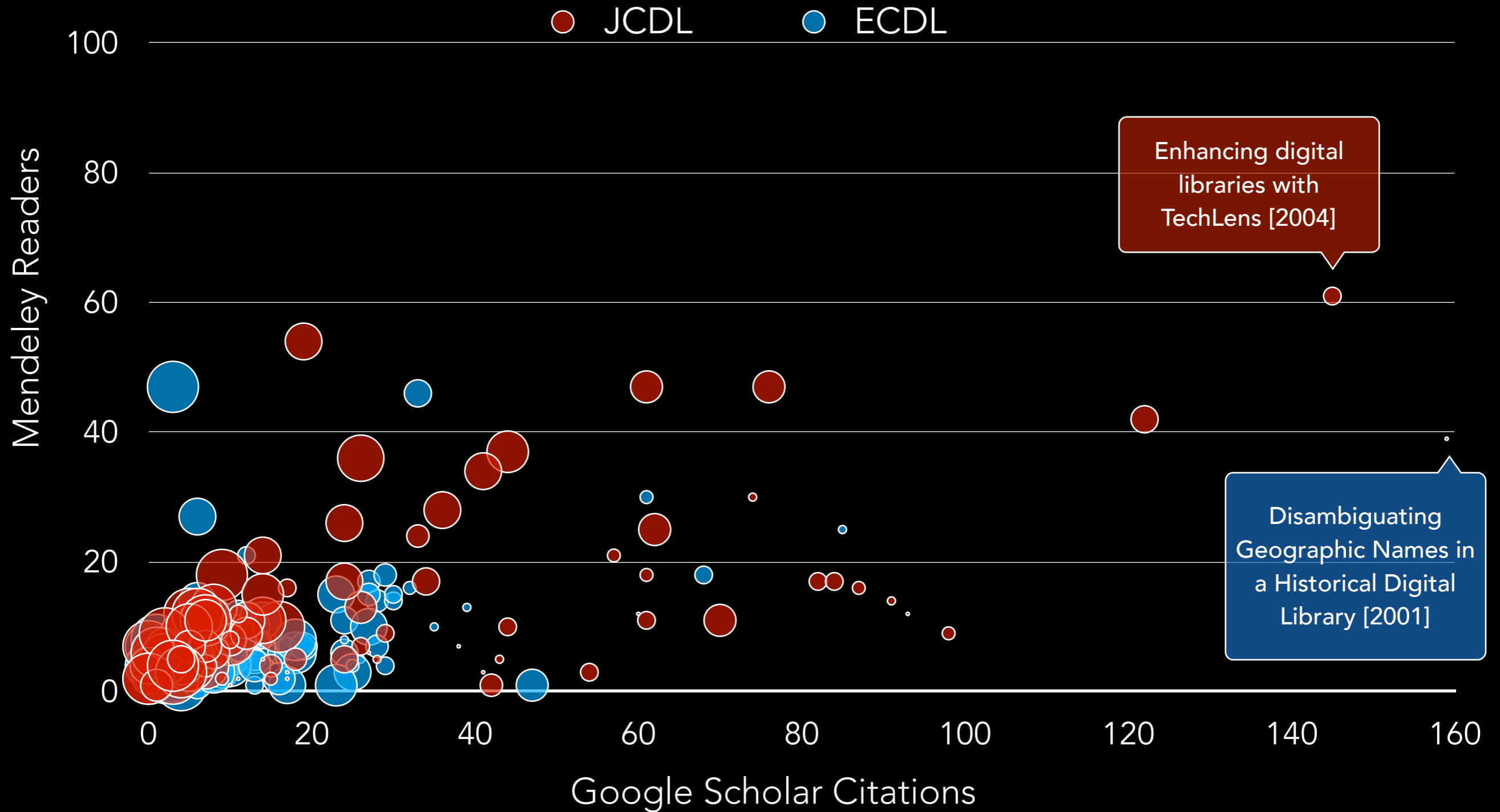
JCDL



status



READERS vs CITATIONS



ALTMETRICS AS 'CONFMETRICS'?

- An altmetrics powered impact indicator
 - readers
 - citations
 - acceptance rate
 - year
- The harmonic mean of two quality rates, the readers' and the citations'.

	Conf.	Cites	Reads	Year	Acpt. Rate	Indic.
a	ECDL	61	30	2003	29%	0.34
b	JCDL	61	47	2007	36%	0.18

CLOSING REMARKS

- Readership: a balanced kind of metric in the landscape of 'altmetrics'
- More elaborate statistics are needed - at least in the case of Mendeley.
- We were able to see which countries produce and which consume knowledge on digital library evaluation.

THANK YOU

FOR YOUR ATTENTION

full paper at: <http://hdl.handle.net/10889/7587>

addendum at: <http://gtsak.info/blog/gallery/lida-addendum/>

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