

# 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](http://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

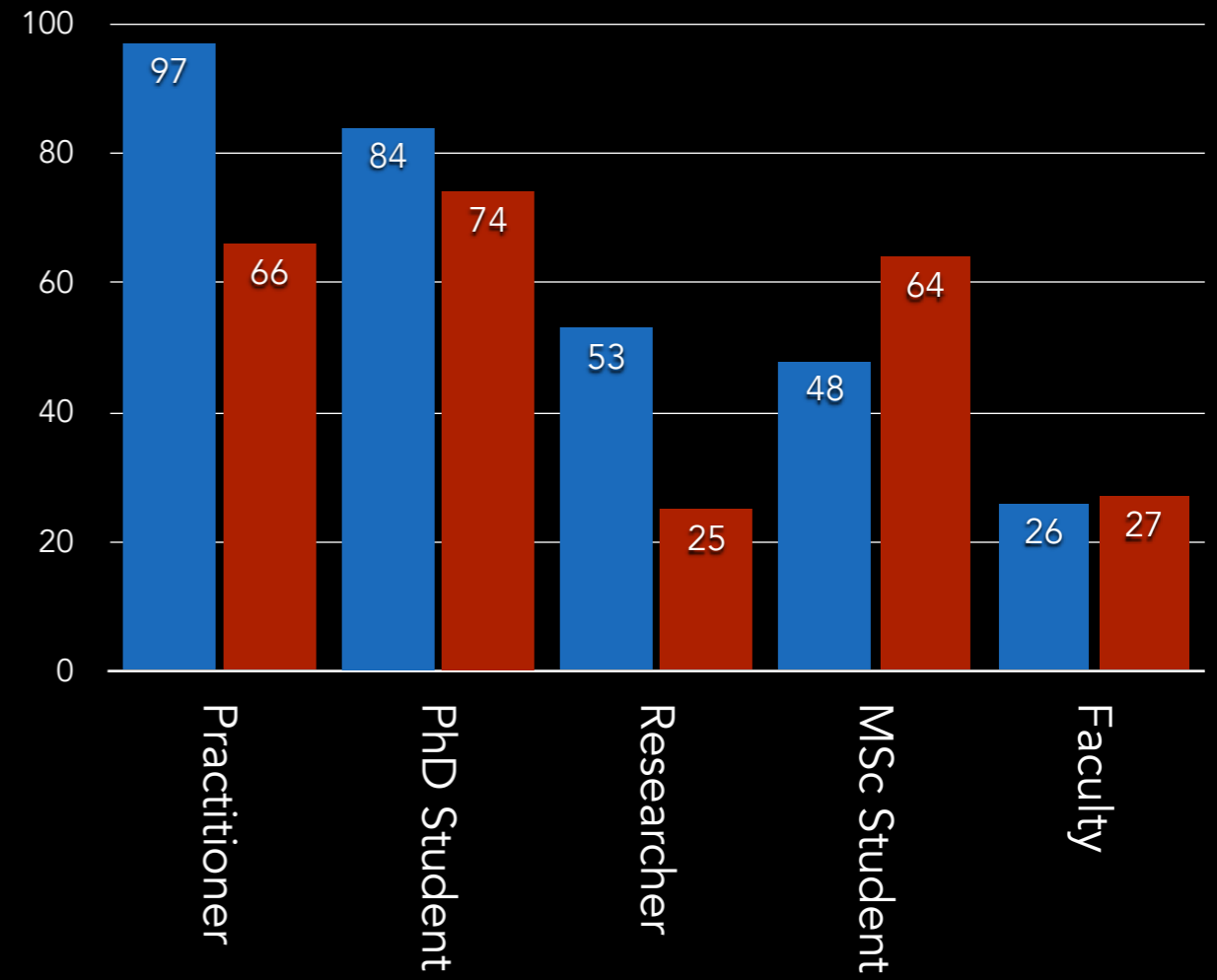
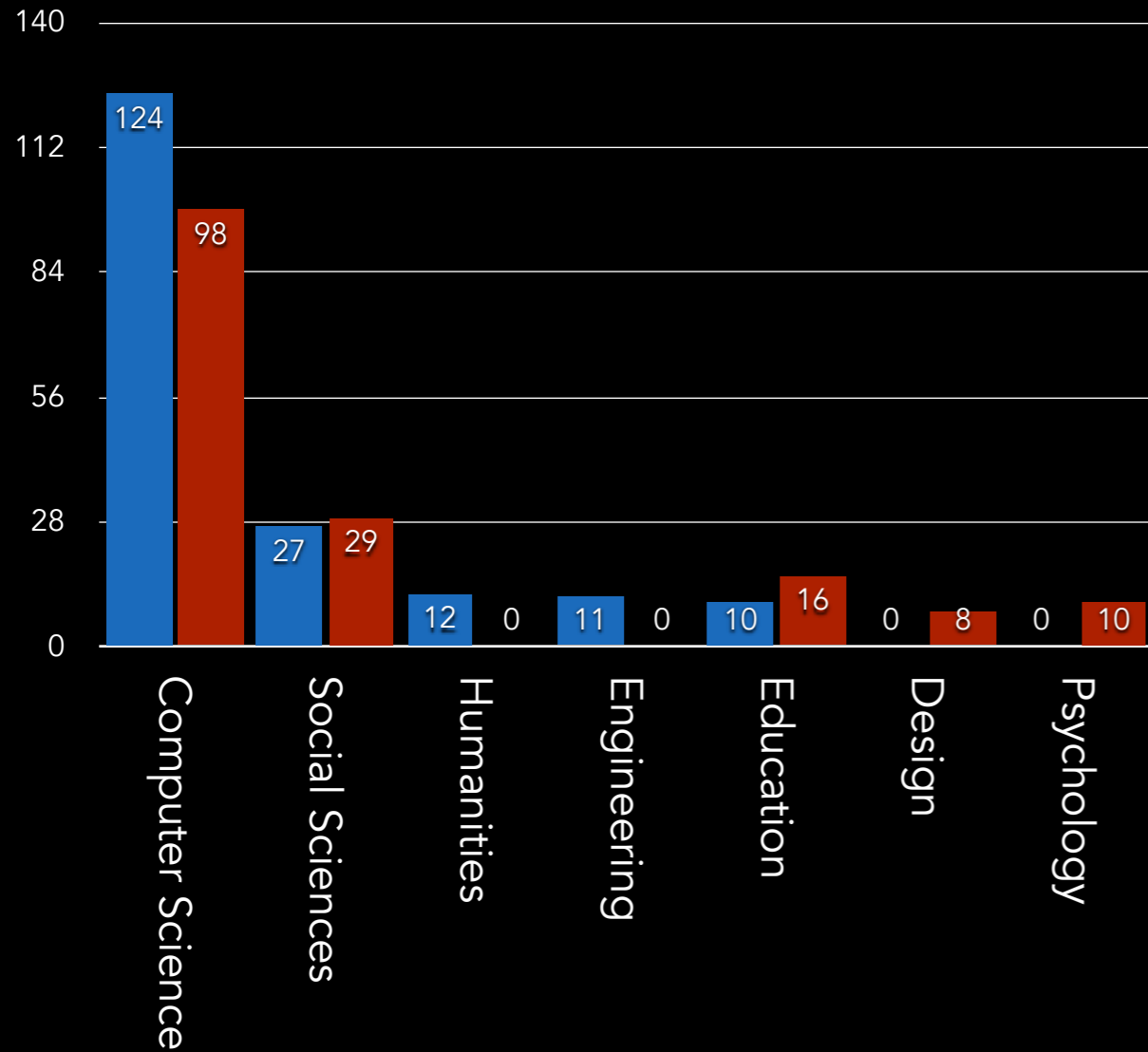


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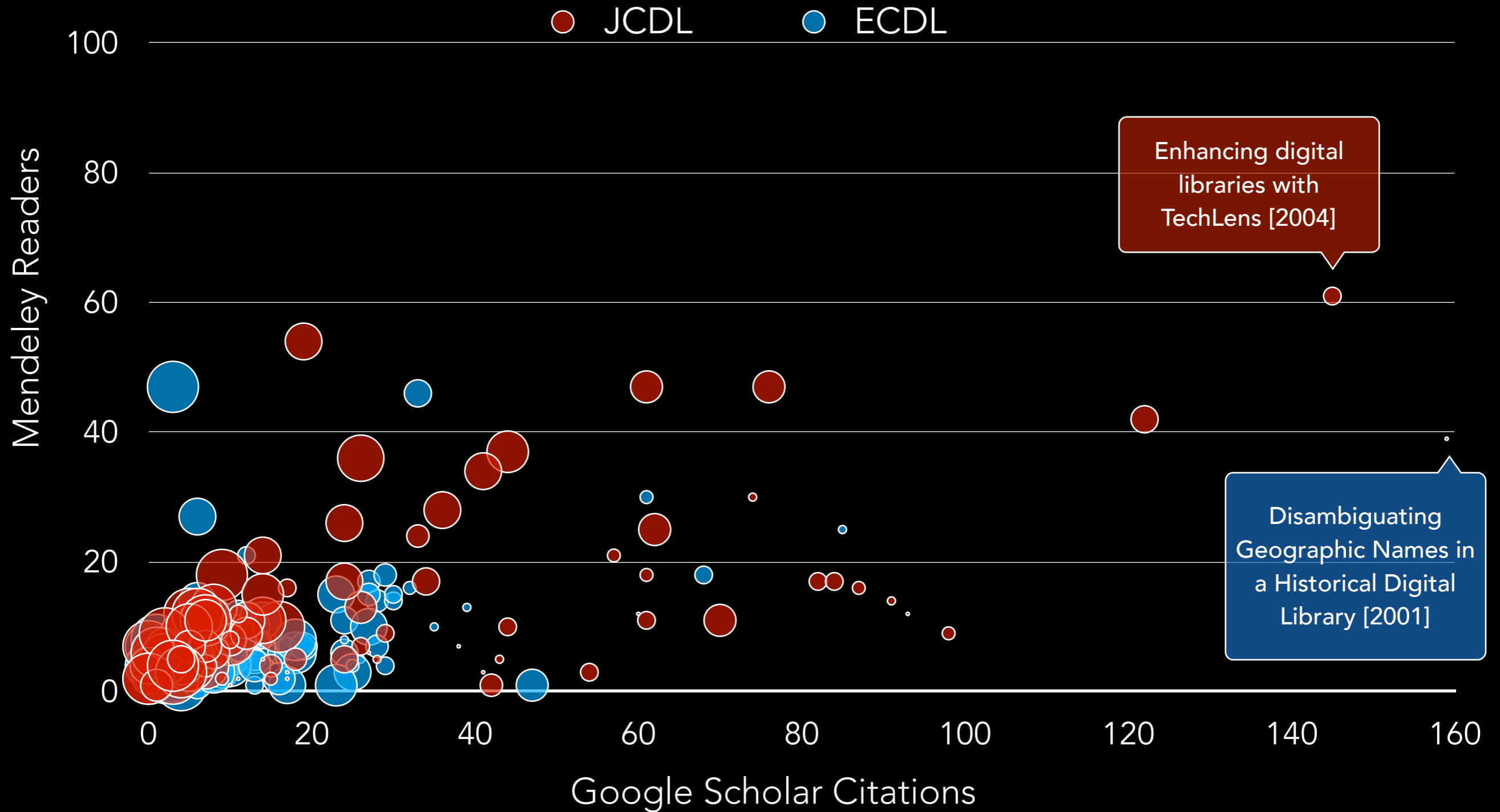
JCDL



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'.

	<b>Conf.</b>	<b>Cites</b>	<b>Reads</b>	<b>Year</b>	<b>Acpt. Rate</b>	<b>Indic.</b>
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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