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Information overload and underload: Friday morning

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OVERLOAD

|

dialectic

|

UNDERLOAD



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OVERLOAD

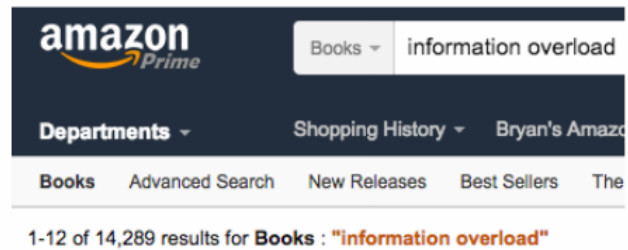


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Psychological challenge

- anxiety
- FOMO
- fatigue
- Wikipedia: infobesity or infoxication

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Filter continuum:

technology



socio-political



Jake Orlowitz

@JakeOrlowitz



Follow

@BryanAlexander Interesting challenge is not "filter failure" as in lack of filters, but "failure of filters" as in the filters lied to us

2:56 PM - 21 Apr 2016

Filter failure vs. failure of filters

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"filter failure" as in lack of filters, but "failure of filters" as in the filters lied to us

2:56 PM - 21 Apr 2016

Filters can really fail

- cut out too much (leading to underload)
- warp information
- filter misbehavior
- filter bubble (Eli Pariser)



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What is filter success?



Discovery and curation

Discovery success

|

curation success

and vice versa



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Tech solutions:

- intermediaries between people and information
- push (ex: overlay journal) and pull (search and beyond, discovery, mining) tools
- personal pull search tool (Google)
- increased use of open metadata
- enhanced metadata and standards
- more machine-readable data

Open metadata

- in aggregated collection
- for better discovery tools



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Social technologies

- blogs
- RSS
- academic networks

- Wikimedia Foundation
- UNESCO
- INASP
- LIBER
- ...

- Social technologies**
- blogs
 - RSS
 - academic networks

Personal solutions

- Information literacy
- Professional development
- Personal responsibility

Social solutions:

- teaching information literacy
- overlay journals
- scholarly societies
- libraries
- people making tools
- publishers

And collaborations...
 -among stakeholders
 -cross-domain
 -cross-institutions

ns
 ell intermediary tools
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Personal solutions

- Information literacy
- Professional development
- Personal responsibility

Social

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Challenges
of
new literacies
and literacy
practices



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Economic implications
-publishers build + sell intermediary tools
 -ex: Primo, Summon
-a few libraries

and vice versa

-publishers build + sell intermediary
-ex: Primo, Summon
-a few libraries

Automation challenges

- Sometimes opaque
- Costs when used to address info overload
- Not enough machine-readable information
- Literacy limitations
- Increasingly picking up human roles



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Challenges

- T+P
- new hierarchies
- institutional self-interest
- disciplinary " "
- bad knowledge management

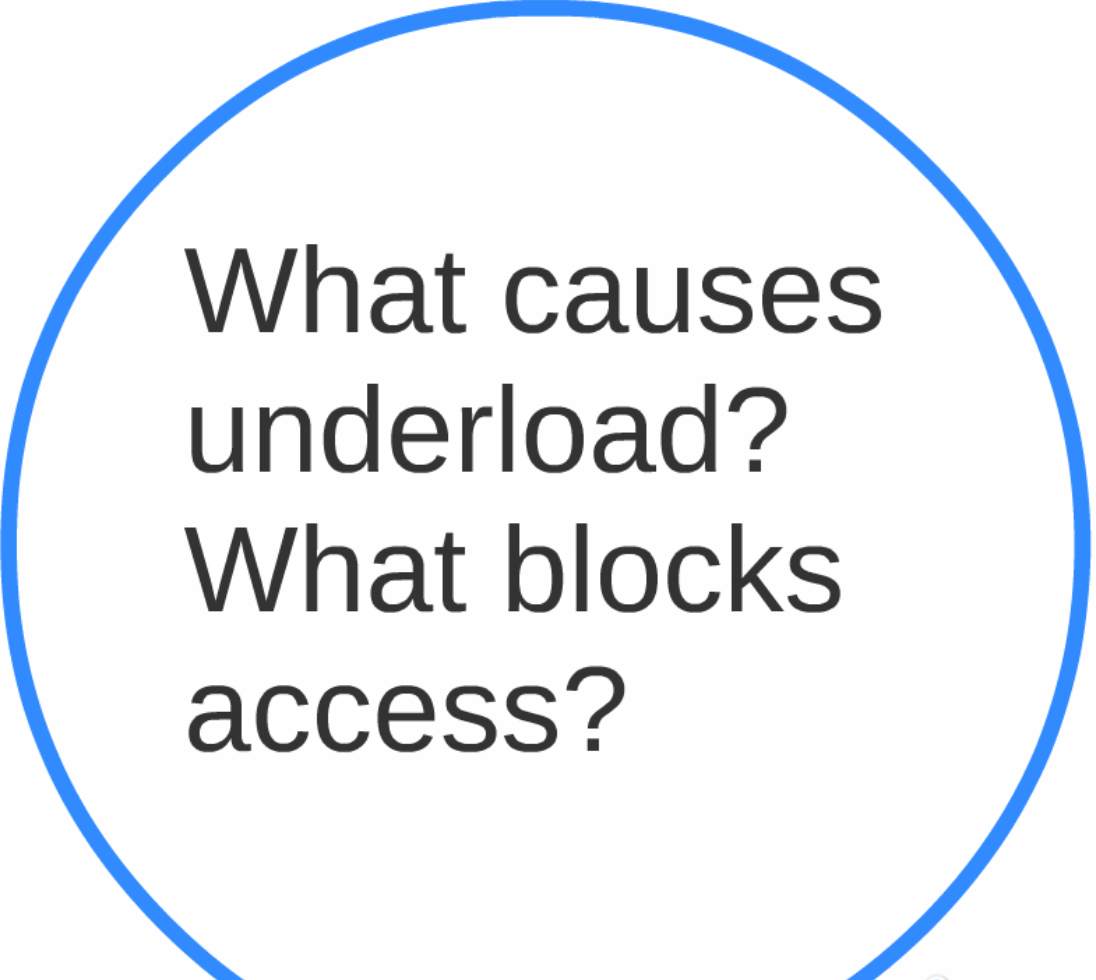
OVERLOAD
|
dialectic
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UNDERLOAD

UNDERLOAD



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What causes
underload?
What blocks
access?

- Political factors
- Cost
- Geography
- Skill gaps
- Language
- Lack of options
- Accessibility
- Hardware limitations
- Bandwidth
- Format
- Legal regimes
- Writing quality
- Proprietary
- Information literacy

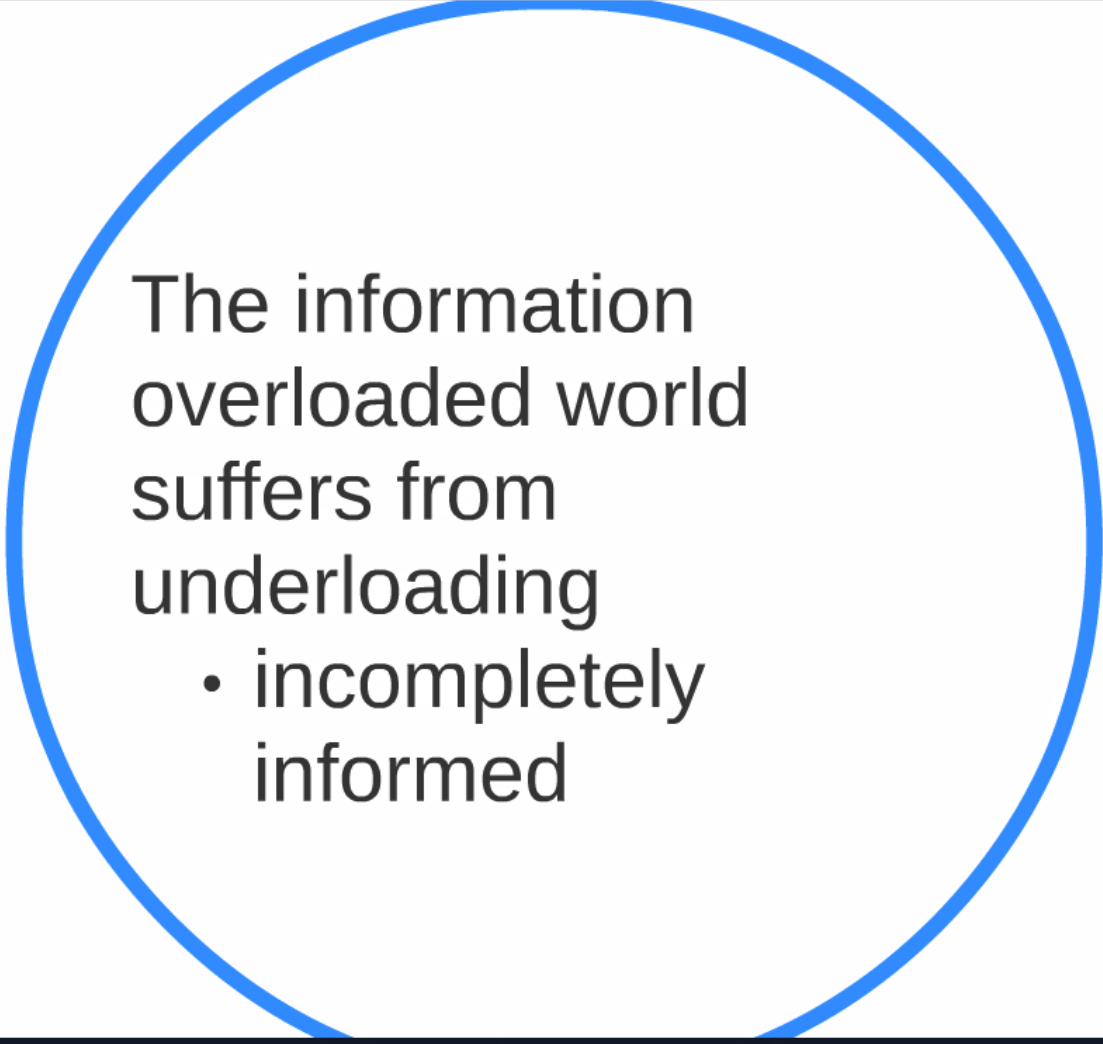
Who suffers from underload?

- developing nations
- emerging communities
- informationally underserved
- informationally underrepresented

Underrepresented
communities cannot
produce new scholarship
at the rates they
need/want



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The information
overloaded world
suffers from
underloading

- incompletely
informed

Solutions

- make global South journal content more present
- alt. metrics
- increase open access
- expand affordable bandwidth

Solutions

- aim for UN Sustainable Goals 2030
- more digitization for exposure + discovery
- use different legal + copyright models
- advocacy and social justice
- information access is a human right

Collaborations:

- IFLA
- Wikimedia Foundation
- UNESCO
- INASP
- LIBER
- ...

Credits

<http://www.slideshare.net/TableauSoftware/social-data-day-data-sift-slides>

<https://www.flickr.com/photos/djou/960015579/>

An awesome working group

Brave Twitter and ballroom interlocutors

Prezi link: http://tinyurl.com/OSI_overload2



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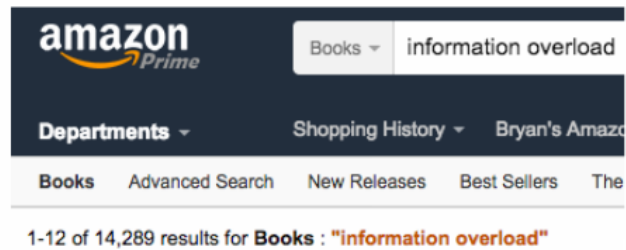
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