

Introduction to Altmetric for Institutions

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Altmetric

By the end of this session...

You'll have:

- A clear understanding of altmetrics and how to use them
- How to identify research with attention using Altmetric's tools
- Practical ideas and examples of using altmetrics data
- Know where to get further help



Part 1:

Introduction to Altmetrics

alt

Complementary to
traditional citation
metrics

+

metrics

Score is an *indicator* and the underlying,
qualitative data tells you who's saying
what about research.

We track attention to scholarly outputs across peer reviews, news, Wikipedia citations, policy documents, research blogs, bookmarks on reference managers like Mendeley, and mentions on Twitter.

Why altmetrics?

- 1 Real-time, immediate feedback on attention to scholarly content
- 2 Track attention to a broad range of research outputs, e.g. articles, posters, data sets, working papers, code
- 3 Non-academic engagement matters: practitioners, general public, interested parties, communicators
- 4 Funders and other impact assessors want to see “broader” picture of engagement



Interpreting altmetrics data

Attention: e.g. RTs, shares



Engagement: Analysis, discussion, reviews

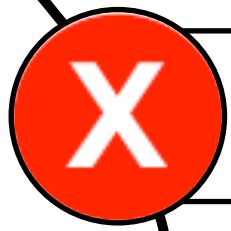
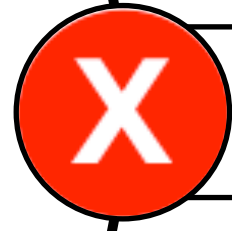
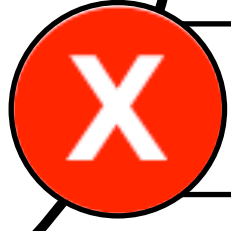


Impact: e.g. shapes policy, influences working practices (tangible)



Metrics

Remember that the numbers alone don't tell you...

-  Quality of the paper
-  Quality of the researchers
-  Whole story



How are institutions using Altmetric?

Researchers

- Track attention to your research immediately
- Uncover (unknown) conversations about your research
- Use in grant applications & funder reporting

Librarians

- Support researchers in all of the above
- Enhance department liaison activities
- Encourage staff to deposit in your research information system

Research Administrators

- Integrate data into your existing performance reports
- Identify key impacts across institution (i.e. policy docs)
- Benchmarking (thoughtfully!)

Marketing Comms.

- Identify research to promote
- Evaluate success of promotion activities
- Identify key researchers

Part 2: Altmetric tools

How do we populate our database?

3 things needed

An ***output***
(journal
article,
dataset, etc)

An
identifier
attached to
the output
(DOI, PMID,
etc)

Mentions in
a ***source we
track***



Altmetric

How does Altmetric aggregate online attention?

Follow a list of sources.

E.g. blogs, news, policy documents, social media.

Search for links to papers.

Automatically link searching and text mining.

Collecting attention data

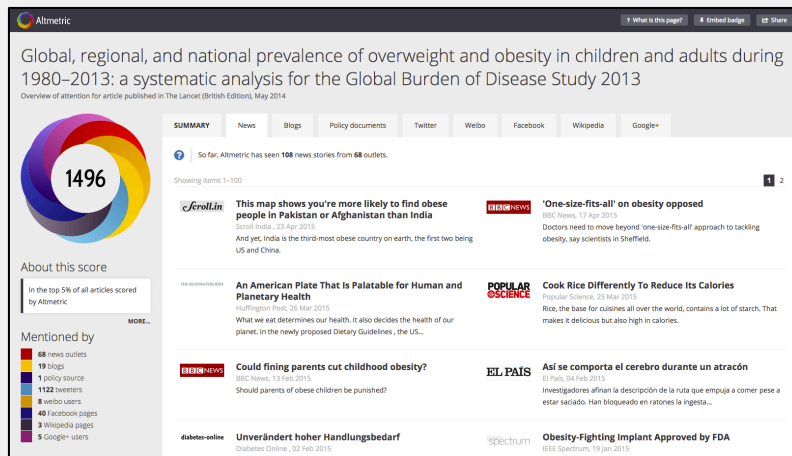
Reporting attention data

Collate attention.

Disambiguation of mentioned items across different versions.

Display data in "Altmetric details pages".

All research outputs with mentions have an Altmetric Details Page in our database.



Altmetric Details Page.



Unique IDs we track... more than DOIs



DOIs	General
PubMed ID	Health Sciences
arXiv ID	Physics, Mathematics & Computer Sciences
ADS ID	Astrophysics data system
SSRN ID	Social Sciences
RePEC ID	Economics
Handles	General
ClinicalTrials.gov Records	Medicine/biomedical

Sources we track...*more* than social media

News outlets

- Over 1,300 sites and growing every day
- Manually curated list
- Text mining
- Global coverage

Academic blogs and social media

- Twitter, Facebook, Google+
- Public posts only
- Manually curated list
- Almost 10K academic/field specific blogs

Post-publication peer review

- Publons
- PubPeer

Reference managers

- Mendeley, CiteULike
- Reader counts

Other sources

- Wikipedia
- YouTube
- Reddit
- F1000
- Pinterest
- Q&A
- Citations (by end of 2015)

Policy documents

- NICE Evidence
- Intergovernmental Panel on Climate Change
- Many more...

What is the Altmetric score of attention?



The Altmetric score provides an indicator of the attention surrounding a research output.

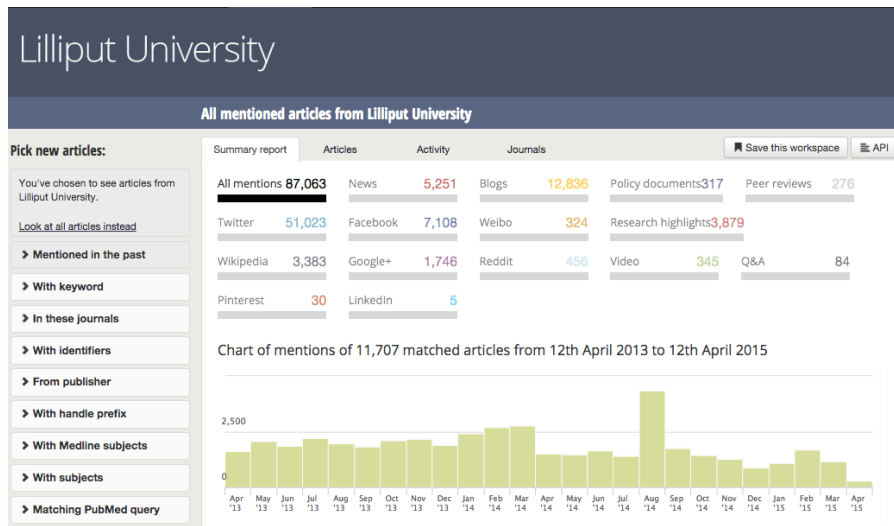
It represents a weighted approximation of all the attention we've picked up for a research output and is calculated according to three facets:

Volume	Sources	Authors
The score for an article rises as more people mention it.	Each source category contributes a different base amount to the final score.	How often the author of each mention talks about scholarly articles influences the contribution of the mention.

Read more about the score here: altmetric.com/blog/scoreanddonut/

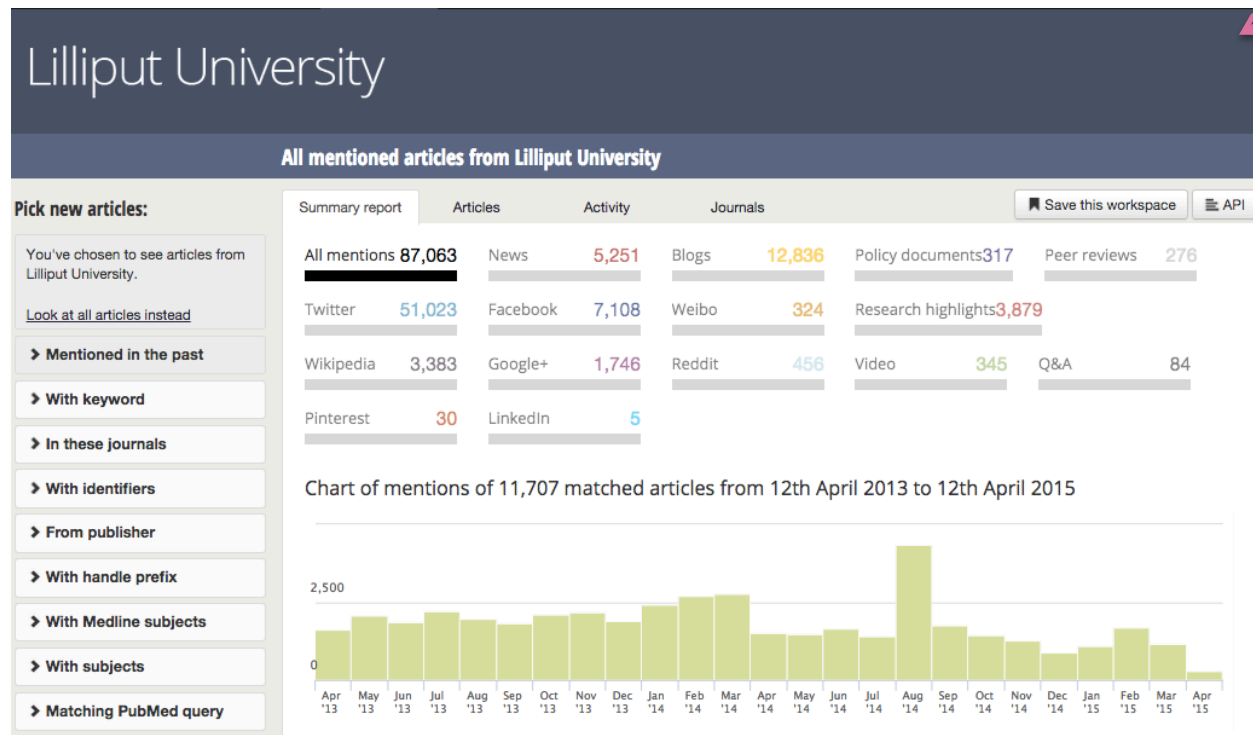
What is Altmetric for Institutions?

- ★ View altmetrics for your institution's publications
- ★ Browse by author and department, set up alerts, export and data
- ★ Search the entire Altmetric database and run comparative analysis
- ★ Upload and see data for sets of unique identifiers, save and manage the data in custom groups



How do I access Altmetric for Institutions?

- ★ Go to www.altmetricexplorer.com for institutional IP access
- ★ Create an account using the sign-in option in the top of the page



Applying filters

Pick new articles:

› Mentioned in the past



Narrow your timeframe, e.g. mentioned in the last week.

› With keyword



Search by keyword, e.g. by title or “phrase search”.

› In these journals



Search by journal title/s.

› With identifiers

› From publisher



Choose a publisher or DOI prefix.

› With handle prefix

› With Medline subjects

› With subjects

› Matching PubMed query

› Funded by

› Mentioned at any time on



Select a source, e.g. mentioned in the News.

› Order by

[reset filters and search terms](#)

Show matching articles ›



Go!

Next filter
and refine
your search...



Altmetric for Institutions: Demo



www.altmetricexplorer.com



Part 4: How can I use Altmetric in practice?

★ Discover popular new content to read



★ Grant applications and funder reporting



I save a tremendous amount of time for my lab.



★ Identify researchers in your field



★ Identify attention in policy documents

Cochrane Library paper investigated the use of probiotics to treat eczema. It found: *There is not enough evidence to recommend using probiotics for the treatment of eczema.*



The paper has a *relatively* low score of attention but received mentions across multiple policy documents and is cited in Wikipedia:

- Policy: [NICE Evidence Research](#)
- Policy: [European Food Safety Authority](#)
- Wikipedia: [Dermatitis](#) main page

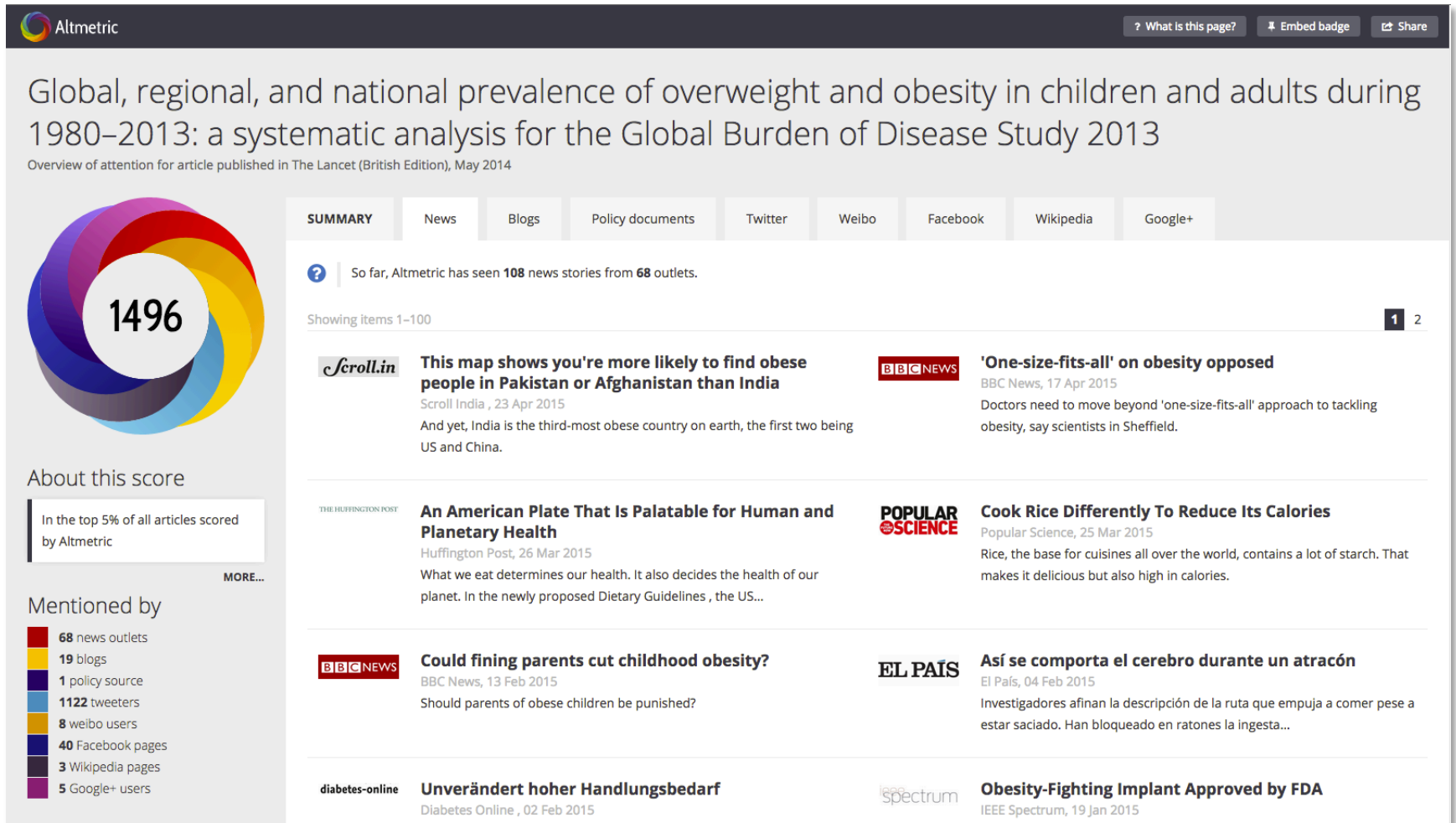


The screenshot shows the Wikipedia article for 'Dermatitis'. The left sidebar contains navigation links: Main page, Contents, Featured content, Current events, Random article, Donate to Wikipedia, Wikipedia store, Interaction, Help, About Wikipedia, Community portal, Recent changes, and Contact page. The main content area has tabs for 'Article' and 'Talk', and buttons for 'Read', 'Edit', and 'View'. The article text begins with 'Dermatitis (from Greek "eruption") is inflammation of the skin. In many languages, dermatitis, and eczema a chronic skin condition. The cause of dermatitis is often unknown, but it is often associated with an immune system response between the immune system and the skin. The term eczema is also used to describe skin rashes that are characterized by crusting, flaking, blistering, cracking, oozing, or bleeding. Areas of temporary skin discoloration may appear and are sometimes due to healed injuries. Scratching open a healing lesion may result in scarring and may enlarge the area.' A callout box highlights a citation: 'Boyle RJ, Bath-Hextall FJ, Leonardi-Bee J, Murrell DF, Tang ML (2008). Boyle, Robert John, ed. "Probiotics for treating eczema". *Cochrane Database of Systematic Reviews (Online)* (4): CD006135. doi:10.1002/14651858.CD006135.pub2. PMID 18843705.'

45k page visits
in March 2015



Uncover unknown conversations about your research





Monitor your open access research outputs



★ Uncover popular content to share

Altmetric Explorer My workspaces Explore the data Explore my institution Help

Lilliput University

Articles from Lilliput University mentioned at least once in the past 1w

Pick new articles: Summary report Articles Activity Journals Exp

You've chosen to see articles from Lilliput University.
[Look at all articles instead](#)

▼ Mentioned in the past

- ☐ 1 day
- ☐ 3 days
- ☒ 1 week
- ☐ 1 month
- ☐ 3 months
- ☐ 6 months
- ☐ 1 year
- ☐ Any time

► With keyword

► In these journals

► With identifiers

► From publisher


















► With handle prefix

► With Medline subjects

► With subjects

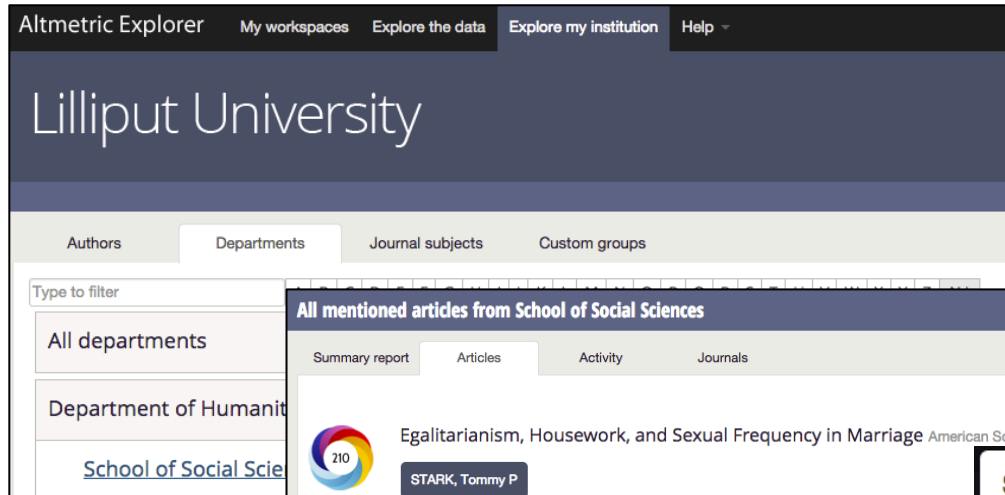
► Matching PubMed query

► Funded by

 147	Tracking of Arctic terns <i>Sterna paradisaea</i> reveals longest animal migration Proceedings of the National Academy of Sciences of the United States of America	 29	Functional specificity in the human brain: A window into the functional architecture of the mind Proceedings of the National Academy of Sciences of the United States of America	 219	Association Between Maternal Use of Folic Acid Supplements and Risk of Autism Spectrum Disorders in Children JAMA: Journal of the American Medical Association
 156	Genes mirror geography within Europe Nature	 17	Religion and Sexual Behaviors: Understanding the Influence of Islamic Culture and Religious Affiliation for Examining Sex Outside of Marriage American Sociological Review	 10	<i>Campylobacter pyloridis</i> , gastritis, and peptic ulceration. Journal of Clinical Pathology
 20	The Impact of Heat Waves on Mortality in Seven Major Cities in Korea Environmental Health Perspectives	 189	Autism-specific maternal autoantibodies recognize critical proteins in developing brain. Translational Psychiatry	 98	The sequence and de novo assembly of the giant panda genome Nature
 35	Genome-wide measurement of RNA secondary structure in yeast Nature	 50	Common variants conferring risk of schizophrenia Nature	 25	Perils or Promise of Ethnic Integration? Evidence from a Hard Case in Burundi American Political Science Review
 9	Carcinogen metabolism genes, red meat and poultry intake, and colorectal cancer risk. International Journal of Cancer	 365	Has the Earth's sixth mass extinction already arrived? Nature	 333	Cognitive control in media multitaskers. Proceedings of the National Academy of Sciences of the United States of America
				 806	Expert credibility in climate change Proceedings of the National Academy of Sciences of the United States of America
				 10	NF-κB in Aging and Disease. Aging & Disease

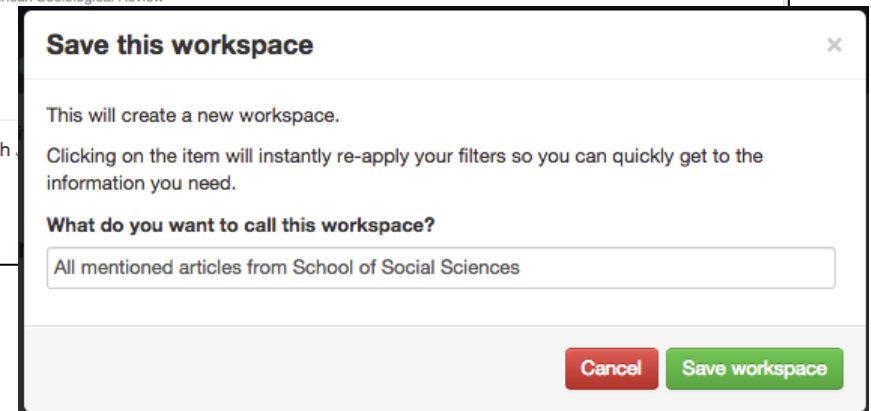
Press Office or Comms

★ Monitor attention to Department outputs



a Select department in *Explore my institution*

b Select save this workspace



Set up email alerts and export to Excel by department

c Save your workspace to run reports and export



altmetrics in summary

- *Get your research out there.* If people know about your research, they talk about it and you can track that attention.
- *Context is king.* Give viewers of altmetrics a solid reference point when presenting the data.
- *Qualitative data* Presenting qualitative data alongside metrics can create a much more compelling case for research's impact.

Download our bookmarklet



Altmetric Bookmarklet
www.altmetric.it

Questions?



support@altmetric.com



@altmetric



altmetric.com

Create your account: www.altmetricexplorer.com

