

Resource Discovery in the Age of Wikipedia



Jake Orlowitz and Alex Stinson

wikipedialibrary.org
[@WikiLibrary](https://twitter.com/WikiLibrary)

Join us!



[[WP:TWL]]



<https://goo.gl/xt0X7B>

Wikipedia's **mission**

Imagine a world in which **every person** on the planet shares in the sum of **all human knowledge**



Wikipedia's **volunteers**

20 million registered

80,000 active users

1,400 admins



“ It was like a **giant community leaf-raking project** in which everyone was called a groundskeeper. Some brought very fancy professional metal rakes, or even back-mounted leaf-blowing systems, and some were just kids thrashing away with the sides of their feet or stuffing handfuls in the pockets of their sweatshirts, but **all the leaves they brought to the pile were appreciated**. And the pile grew and everyone jumped up and down in it having a wonderful time. And it grew some more, and it **became the biggest leaf pile anyone had ever seen** anywhere, a world wonder.”

- NY Review of Books

Lindsay Hoyte

FiveThirtyEight

Vũ Bích Hương

<http://listen.hatnote.com/>

Wikipedia's **scale**

30 million articles

2 billion edits

288 languages

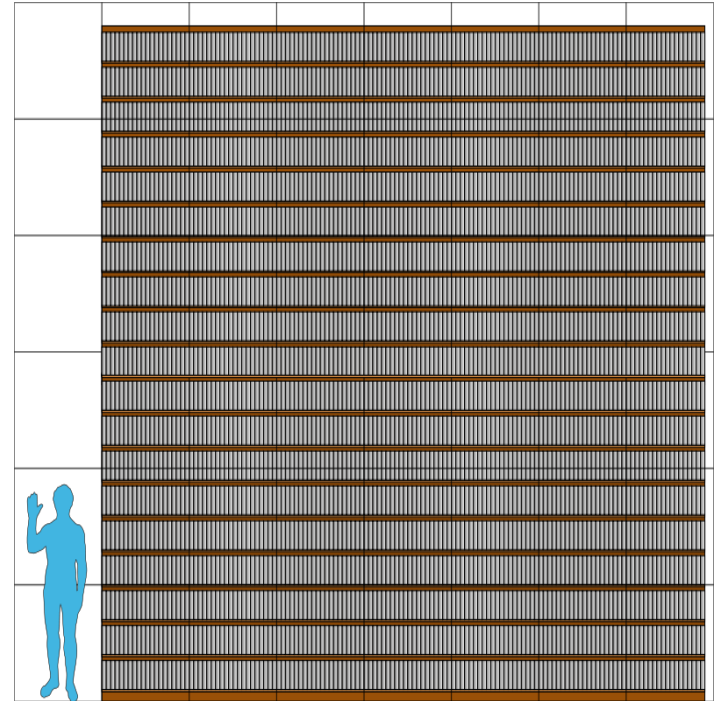
8000 views per second

500 million monthly visitors

6th most popular website

2000x larger than Britannica

8th highest doi referrer





Score in context

Puts article in the top 5% of all articles ranked by attention

show more...

Mentioned by

2 news outlets
10 blogs

Molecular Structure of Nucleic Acids: A Structure for Deoxyribose Nucleic Acid

News Blogs Twitter Facebook Wikipedia Score Demographics Help

So far Altmetric has seen 8 citations on Wikipedia.



Nature (journal)

Cited by user DOI bot on en.wikipedia.org

Nature is a prominent interdisciplinary scientific journal. It was first published on 4 November 1869.

Added on 16-Jun-2008



Evolution

Cited by user Thompsma on en.wikipedia.org

Evolution, also known as descent with modification, is the change in heritable phenotype traits of biological populations over successive generations.

Added on 12-Aug-2011

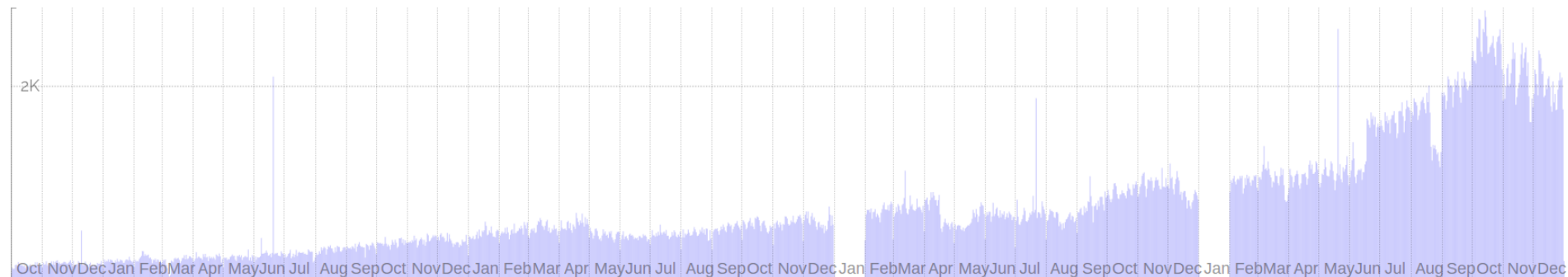
Subdomain: en.m.wikipedia.org

Main domain: wikipedia.org.

Events from 1 October 2010 to 1 January 2015

type	date / count	from
Total referrals count from subdomain	190455	CrossRef Resolution Logs

Daily referral count from domain

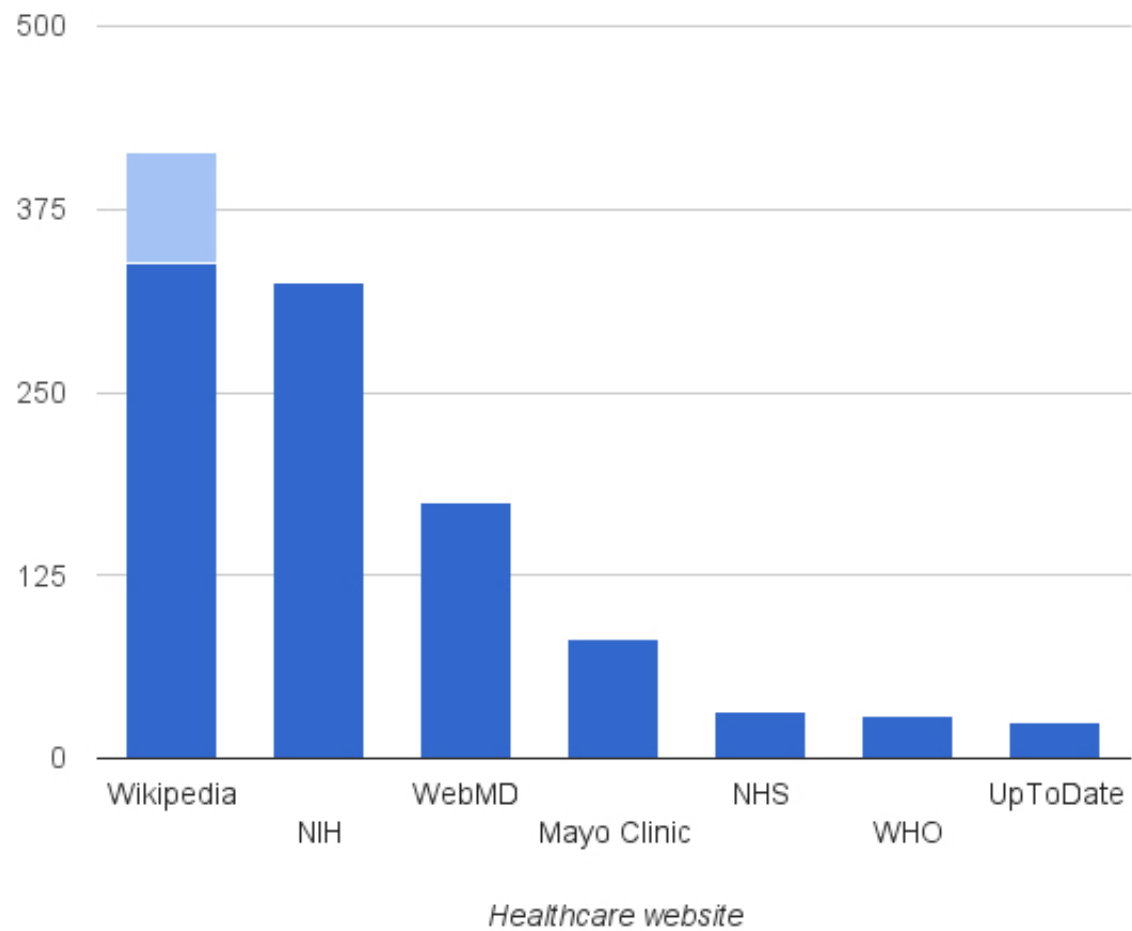


Wikipedia's ubiquity

- 50% to 90% of physicians use Wikipedia
- 94% of medical students use Wikipedia



Page views (millions), July 2014



Wikipedia's *why*

Fast, easy, and free to access

Understandable

Comprehensive

Generally accurate

Wikipedia's pillars

Neutral point of view

Verifiability

Consensus

Civility

Open copyright



Virtual filter

1. **Edit Filter** automatically rejects known vandalism patterns
2. ClueBot reverts and flags suspicious edits with a **machine-learning bot**
3. Humans review malicious changes tagged with **language recognition** tools
4. **Vandalism patterns** are checked against metadata and historical trends
5. **Recent changes** patrollers scroll through new edits
6. Editors alerted to each change on all pages in their **article watchlist**
7. **Specialists and experts** report and fix mistakes when they see them
8. **Millions of readers** identify and correct errors when they come upon them
9. Link **blacklists** lock out known spam sites and unreliable sources
10. Detection mechanisms to determine **conflict of interest**
11. **Administrators** to block disruptive editors and protect pages

Wikipedia literacy

- **Engage** with global audience
- **Identify bias** and evaluate credibility
- **Review literature** with proper citation
- **Avoid plagiarism** and respect copyright
- **Construct knowledge** to fill content gaps
- **Discourse** in a community of practice
- **Think critically** and reflect on process
- **Digital citizen** in an online collaboration

Quality	Importance					Total
	Top	High	Mid	Low	???	
★ FA	1,063	1,677	1,552	915	168	5,375
★ FL	137	520	618	564	124	1,963
ⓘ A	189	370	538	303	68	1,468
⊕ GA	1,772	4,146	8,122	8,069	1,588	23,697
B	10,975	21,076	31,854	24,081	13,023	101,009
C	8,690	25,060	55,680	70,643	37,896	197,969
Start	15,605	67,680	275,152	652,713	261,189	1,272,339
Stub	3,907	27,584	202,675	1,592,673	840,977	2,667,816
List	2,575	9,532	27,810	75,026	58,104	173,047
Assessed	44,913	157,645	604,001	2,424,987	1,213,137	4,444,683
Unassessed	106	322	1,614	18,477	473,235	493,754
Total	45,019	157,967	605,615	2,443,464	1,686,372	4,938,437

The **Research** Connection

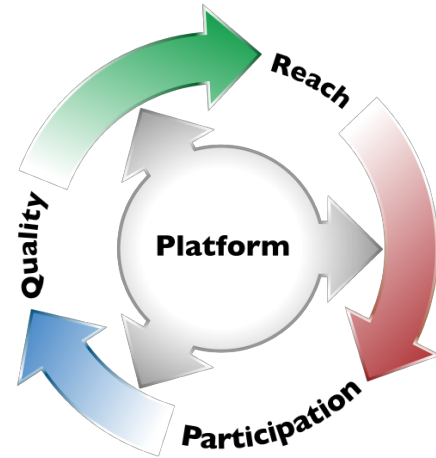
Wikipedia is as **good** as its sources

Libraries have the **best** sources

Wikipedia has the **most eyeballs**

Connect a circle of research, dissemination

Wikipedia as **starting point** for deeper learning



The Wikipedia Library

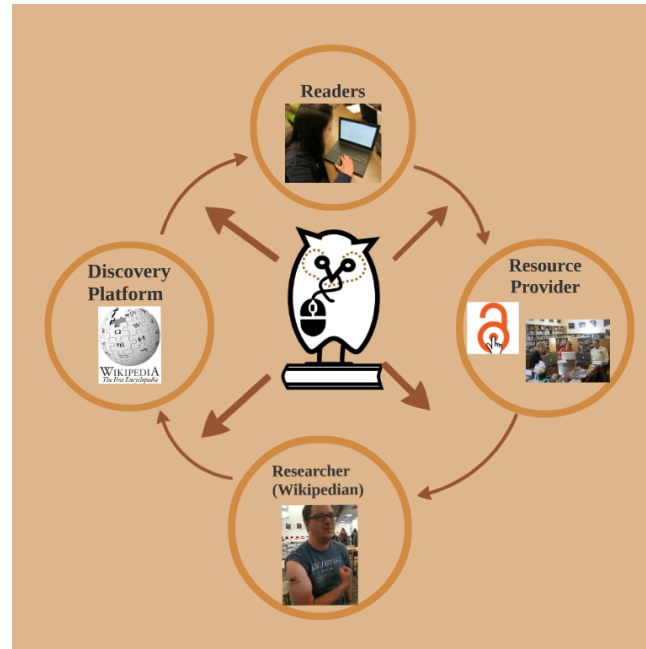
Gain access to **paywalled** sources

Facilitate **research** for editors

Connect to **libraries**

Lead to free and **local** sources

Promote **open** access



Access **partnerships**

Closed-access, paywalled sources

Donations for mutual benefit

Vetted, highly-active subject editors

Requirements and TOU respecting copyright

High impact metrics

OXFORD
UNIVERSITY PRESS

J
STOR

DE
G

DE GRUYTER

AM Adam Matthew
A SAGE company

SAGE



ELSEVIER
SCIENCE
@DIRECT

BMJ

L'Harmattan

questia

éruudit
www.erudit.org

HEINONLINE

pcf PUBLIC
CATALOGUE
FOUNDATION

NEWSPAPER ARCHIVE
World's Largest Collection

ripm

fold3



WORLD BANK GROUP

DynaMed
Powered by EBSCOhost

N
Newspapers.com



ROYAL SOCIETY
OF CHEMISTRY

C
C
C
C
CREDO



PROJECT MUSE

CAIRN.INFO



chercher, repérer, avancer

AAAS

MIT Press Journals

HighBeam
RESEARCH

Taylor &
Francis
Online

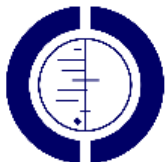
Keesing's
www.keesings.com
WORLD NEWS ARCHIVE

THE ROYAL
SOCIETY



Pelican Books

INTELEX
PAST MASTERS



THE COCHRANE
COLLABORATION

McFarland

find
my
past
co.uk

Harvard
University
Press





The British
NEWSPAPER
Archive

ScotlandsPeople
Connecting Generations

ROYAL
PHARMACEUTICAL
SOCIETY

OA signalling



1. ^ Williams, J. T.; Carpenter, K. E.; Van Tassell, J. L.; Hoetjes, P.; Toller, W.; Etnoyer, P.; Smith, M. (2010). "Biodiversity Assessment of the Fishes of Saba Bank Atoll, Netherlands Antilles" [↗](#). In Gratwicke, Brian. *PLoS ONE* 5 (5): e10676. doi:10.1371/journal.pone.0010676 [↗](#). PMC 2873961 [↗](#). PMID 20505760 [↗](#).  CC0 [↗](#)  full text [↗](#)  media [↗](#)  metadata [↗](#)

Thinking **big**

*What if **every reference** in a Wikipedia article had a robust citation including **access and reuse status**?*

Wikipedia Specialists

Wikipedian-In-Residence [[WP:WIR]]

Capacity focused, On-Staff, Wikipedian

Wikipedia Visiting Scholar [[WP:WVS]]

Remote, Research Affilliate, Wikipedian

Wikipedia Library Interns [[WP:TWL/I]]

Unfamiliar Staff, Self-Guided Curriculum



Thinking **big**

*What if every library or research institution had **a Wikipedia specialist** to surface their collections and specialist knowledge on Wikipedia?*

Wikipedia-**in-the-Workflow**

Use Wikipedia to solve public knowledge problems, integrated into your process

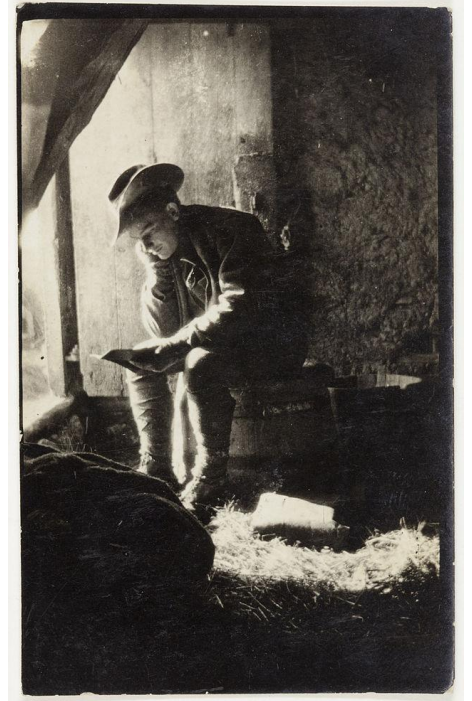
- **National Archive**

Policy encourages Wikipedia editing

- **State Library of New South Wales**

[[[Wikipedia:GLAM/State Library of New South Wales](#)]]

[[[List of Australian diarists of World War I](#)]]



Linking archives

[[WP:TWL/CP]]

Wikipedia articles with citations to relevant archival items, specialist collections, and finding aids

==History==

==Further reading==

==External Links==

Case study

BALL STATE University

- 40 assets viewed 13,000 times, + 600%
- 10,000 pageviews referred via Wikipedia
- 5 times greater than the total views from any source
- Views for the whole collection tripled

“an overwhelming success... remarkable in its efficiency”

Alignment-of-interest

REGISTER: Create an account for you individually – not your organization

DISCLOSE: Mention and explain your institutional affiliation

HIGHLIGHT: Expose your most relevant, substantial collections neutrally

INCLUDE: Add relevant citations to other archives' materials and scholarship

ENGAGE: Respond thoughtfully and clearly to community concerns

"Curators, librarians, archivists, and similar are encouraged to help improve Wikipedia, or share their information in the form of links to their resources."

Thinking **big**

*What if **every library or cultural institution** exposed the best research in their field **on Wikipedia?***

Image uploads

GLAM-Wiki Toolset

Bulk upload open licensed media with robust metadata to Wikimedia Commons

Collection visibility

State Library of New South Wales:

➤ 93 images viewed by 480,869

New York Public Library images:

➤ 2114 images viewed by 6,881,713

NARA, British Lib, Smithsonian, Europeana



Thinking **big**

*What if **every reusable collection** was shared
on Wikimedia Commons?*

Public reference desk

Sadads 0 שיחה טיטה העדפות בטא רשימת מעקב תרומות יציאה מהחשבון

דף מיזם שיחה קריאה עריכת קוד מקור פסקה חדשה גרסאות קודמות עיד חיפוש



ויקיפדיה

האנציקלופדיה החופשית

עמוד ראשי

ברוכים הבאים

שינויים אחרונים

ערכים מומלצים

דיווח על טעות

פורטלים

ערך אקראי

תרומה לוויקיפדיה

קהילה

שער הקהילה

עזרה

ייעוץ

מזנון

לוח מודעות

יצירת משר

ויקיפדיה:דלפק היעוץ של הספרייה הלאומית

דלפק היעוץ של הספרייה הלאומית הוא דף המיועד **לשאלות של קוראים ושל ויקיפדים הנוגעים ליעוץ ולתמיכה בכתיבת ערכים**. שאלות אלה יועברו לספרי היעוץ של הספרייה הלאומית בירושלים, וינתן להם מענה בתוך שבעה ימי עבודה, בהתאם לעומס הפניות בדלפק היעוץ הפיזי, ובמספר הפניות בדלפק וירטואלי זה. שלושה ימים לאחר מתן תשובה לפניה, הפניה תארכב בארכיון.

הוספת שאלה חדשה

כתיבת שאלה

כותרת שאלה:

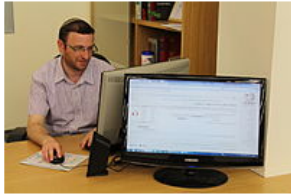
שימו לב: שאלות חדשות נמצאות בסוף דף זה, ולא בתחילתו.

תוכן עניינים [הסתרה]

1 מה מסמלים הכוכבים בדגל רפובליקת הקונכיה?

Fumigation 2

3 למה לאומיות כוונתה של עזרה על פי



דפי עזרה

- אודות
- ויקיפדיה
- סגנון כתיבה
- ועיצוב
- תמיכה
- סכנית
- תמונות
- וקבצים
- משתמשים
- והגדרות
- שאלות
- ותשובות



Thinking **big**

*What if Wikipedia became the **public's digital reference desk** staffed by professional reference librarians?*

Building **discovery**

Expose collections

Remix metadata





WikipedPLA

★★★★★ (1)

[Search Tools](#)

from phette.net

13 users

OVERVIEW

DETAILS

REVIEWS

RELATED

My Review



I helped Phette code this script at LibHack and it's been nifty from the beginning. It does just what it says, surfaces relevant documents and images on a live Wikipedia article. It pulls directly from DPLA's API and is a

User Reviews

English



Jake Orlowitz 4 days ago ★★★★★

I helped Phette code this script at LibHack what it says, surfaces relevant documents directly from DPLA's API and is a great way overview of Wikipedia to the archival treasure America. Neat!

George Washington

[\[edit source\]](#) | [\[edit beta\]](#)



A *good article* from Wikipedia, the free encyclopedia. A former *featured article candidate*.

DPLA items: [Washington family](#), [The Washington Family](#), [Family](#), [Family](#), [Family](#), [Family](#), [The Family](#), [The Family](#), [\[Family\]](#), & [The Family](#).

This article is about the first President of the United States. For other uses, see [George Washington \(disambiguation\)](#).

Named Entity Recognition

These names have been extracted from this entity's finding aid or biography. Select names that you would like to look up in VIAF.

In the next step, you will be able to make a final selection to create <cpfRelation> elements, with associated VIAF IDs, in the EAC-CPF record.

Each name can be edited to improve the search query, if appropriate. When editing, it is best to put names in inverted order (Last Name, First Name).

If names need to be split, or if you have additional names to add, you may click "Add New Row" to input appropriate data.

Note that geographical places are not included in VIAF and so should be ignored at present.

Please note that if you select several names to look up in VIAF, your query may take some time to run.

Use Selected Names

Cancel

Please choose names to create <cpfRelation> elements:

- Select all
- Abreu, Juan Add New Row
- African Folktales Add New Row
- African Tribal Groupings Add New Row
- Afro Caribbean Add New Row
- Afro Cuban Add New Row
- Afro Cubans Add New Row
- Afro-American Add New Row
- Afro-American Literature, Homage Add New Row
- Afro-Cuban Add New Row
- AfroCuban Art Add New Row
- Agbelemoge, Terry Add New Row
- Alejandra Exter Add New Row
- Alexandra Exter Add New Row

Thinking Out Loud

What if Wikipedia helped readers research?

has challenged this view according to a chart in which Othou of Ray, son of Othou de la Roche, preser and not his nephew. Members of the La Roche family lived in the Free County of Burgun his, Walter, was a member of the Parthenon in 1292.^{[2][5]}

Need help finding one of these sources? [Click here](#)

References [?] [\[edit\]](#)

- [^] ^a ^b ^c ^d Longnon 1978, pp. 215–16. 4. [^] [Lock](#)
- [^] ^a ^b ^c ^d Setton 1976, p. 417. 5. [^] [Lock](#)
- [^] Longnon 1973, pp. 64 and 69.

Sources? [\[edit\]](#)

Thinking **Out Loud**

*What if every **Library Network** shared **best practices** for using Wikipedia as a tool for Research, Literacy and Public Knowledge?*



Wikipedia, Libraries = **natural allies**

Wikipedia is the **starting point** for research



We lead readers **back to sources** at libraries
so they can **critically engage** with knowledge

Questions?

WikipediaLibrary.org

Jake Orlowitz

@JakeOrlowitz

jorlowitz@wikimedia.org

Alex Stinson

@Sadads

astinson@wikimedia.org

