

Wikipedia's gender gap, and what would Hari Seldon do about it?

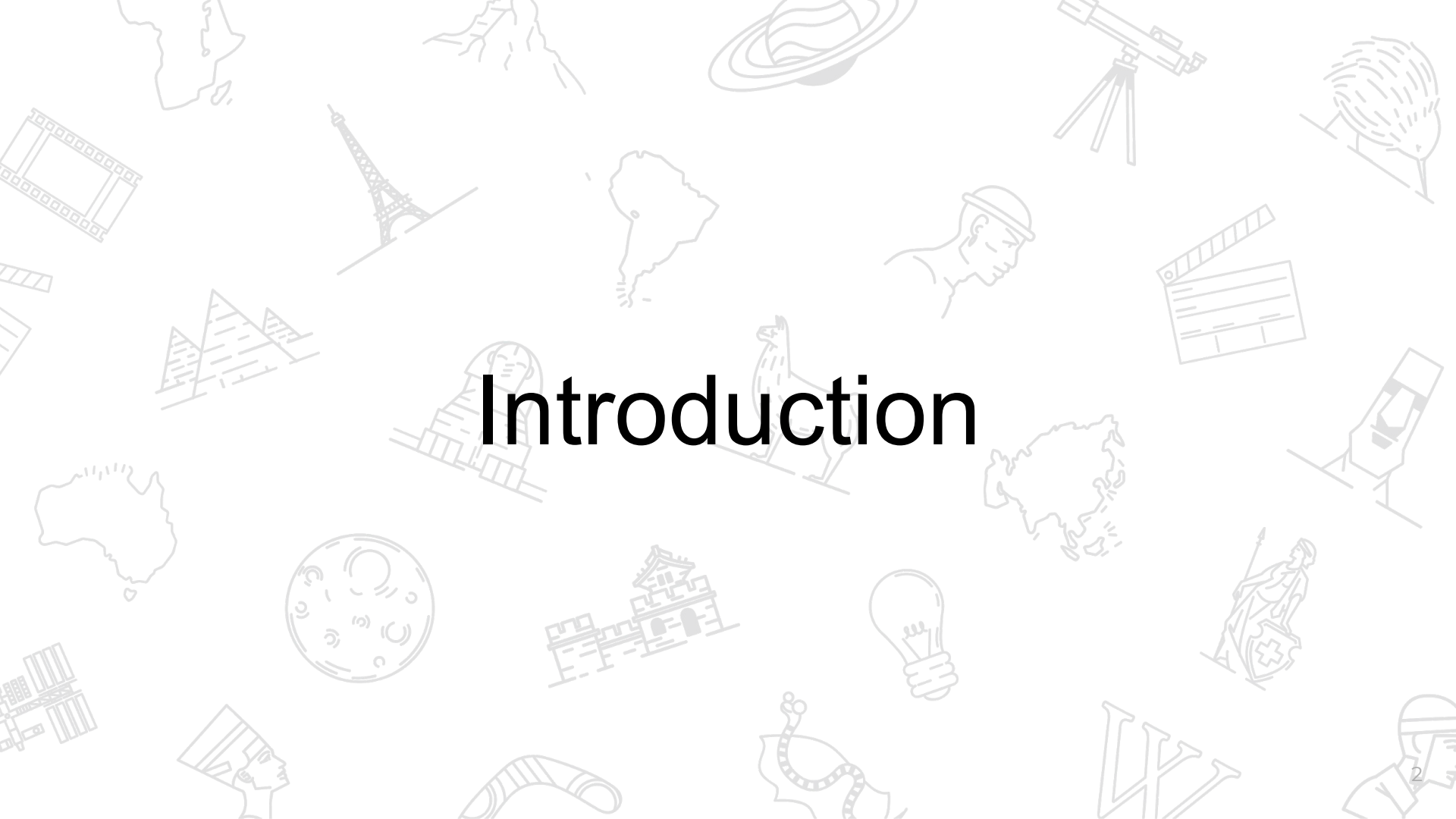
Dame Rosie Stephenson-Goodknight
ORCID: 0000-0001-5760-0881
Wikidata: Q24896970
@Rosiestep | @wikimediadc

OCLC Distinguished Seminar Series
Columbus, Ohio, US
#OCLCdss

14 November 2018 | CC-BY-SA 4.0



Introduction





WIKIPEDIA
The Free Encyclopedia

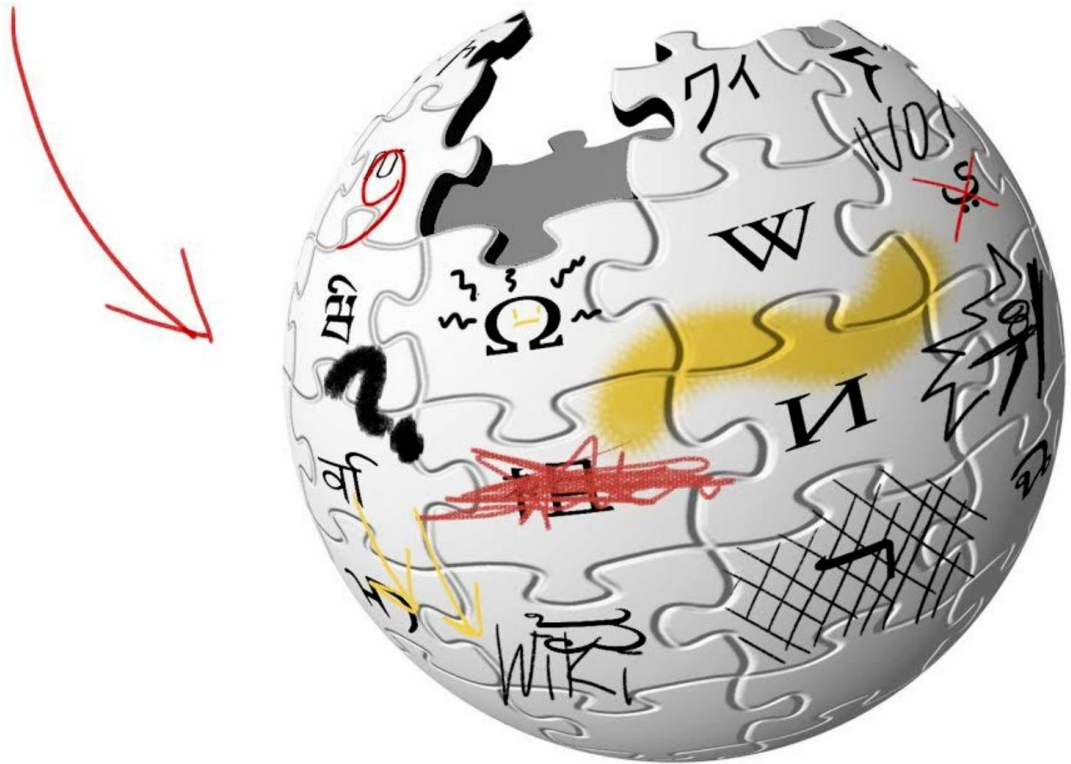


WIKIPEDIA
The Free Encyclopedia



“Imagine a world in which every single person on the planet is given free access to the sum of all human knowledge. That's what we're doing.” -Jimmy Wales







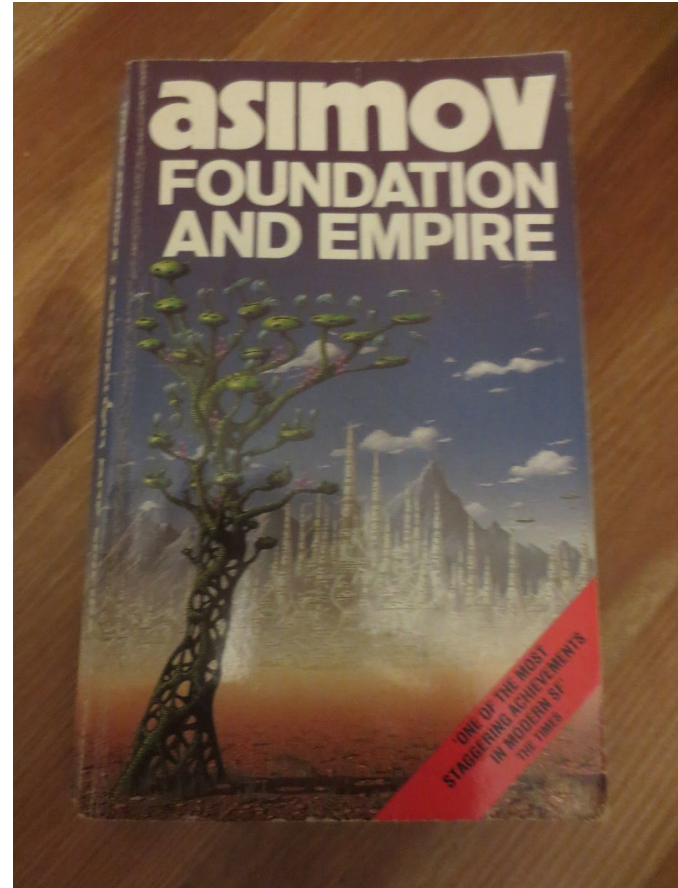


Wikimedia



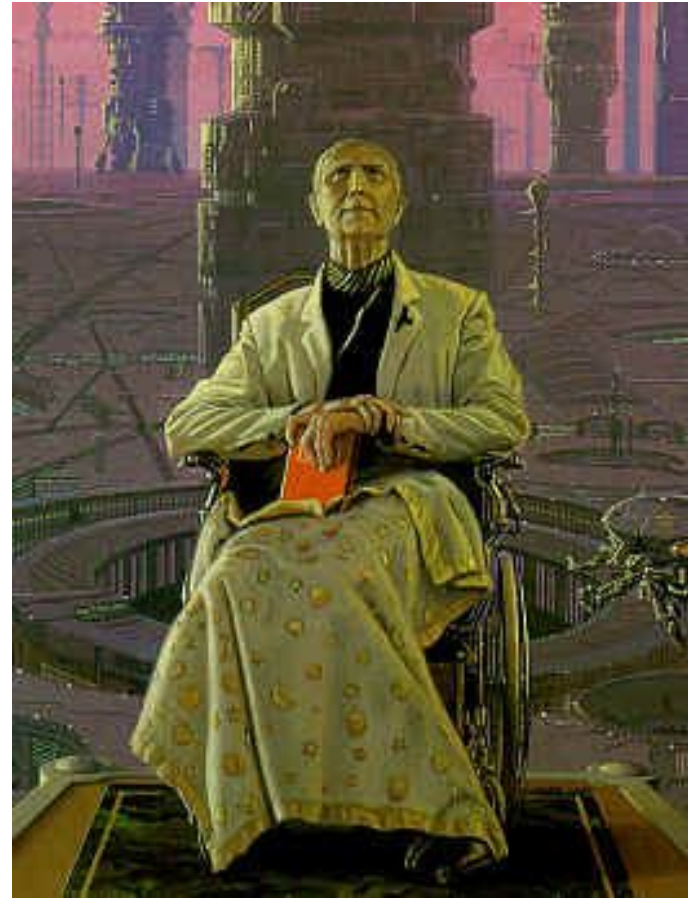


*Encyclopedia
Galactica*



WWHSD?

(What would Hari
Seldon do?)



Diccionario biográfico, geográfico e histórico de Venezuela, Ramón Armando Rodríguez (1957)

Women's biographies

3.6%

Wikipedia's gender bias



Participatory gender bias



2010

women editors

12.6%

2011

women editors

8.5%



2011 Wikimedia Strategic Plan

Should we trust Wikipedia?

MAYBE.

Isn't "maybe" the answer for whether we should trust *any* source of information?

Wikipedia is one of the best starting points for research, but don't let it be the ending point for research. Treat Wikipedia with a critical eye to sift the good from the bad.

High Quality



- Lead section of an article has an accurate overview
- Coverage is neutral and balanced
- Cites reliable sources
- Edited by multiple, diverse users
- High article rating on [Talk] page

Low Quality



- Presence of warning banners and messages on the article
- ... and links, inline
- ... dialogue

Warning templates

Hatnotes and templates warn of problems or shortcomings in articles. Look for inline warnings such as [citation needed] or [original research?] in the main body of text.



This article **does not cite any references** for supporting adding citations to reliable sources. (December 2009)



This article's **tone or style** does not conform to Wikipedia's guidelines.

Once the taxes were eliminated, trading substantially in the 1990s. ^[citation needed]

WikiProject quality assessments



2011
Sue Gardner,
Executive
Director,
Wikimedia



2012

***Conflict, confidence,
or criticism: An
empirical examination
of the gender gap in
wikipedia -Collier &
Bear***



2013

*Wikipedia's gender
gap and the
complicated reality of
systemic gender*

-Adrienne Wadewitz



Assumption #1

It is the responsibility of women to fix sexism on Wikipedia.

Wadewitz, Adrienne (26 July 2013). "Wikipedia's gender gap and the complicated reality of systemic gender bias Page" *Hastac*.

Assumption #2

**Women do not further
patriarchal knowledge and
power structures.**

Assumption #3

**Women will edit
underrepresented topics.**

Assumption #4

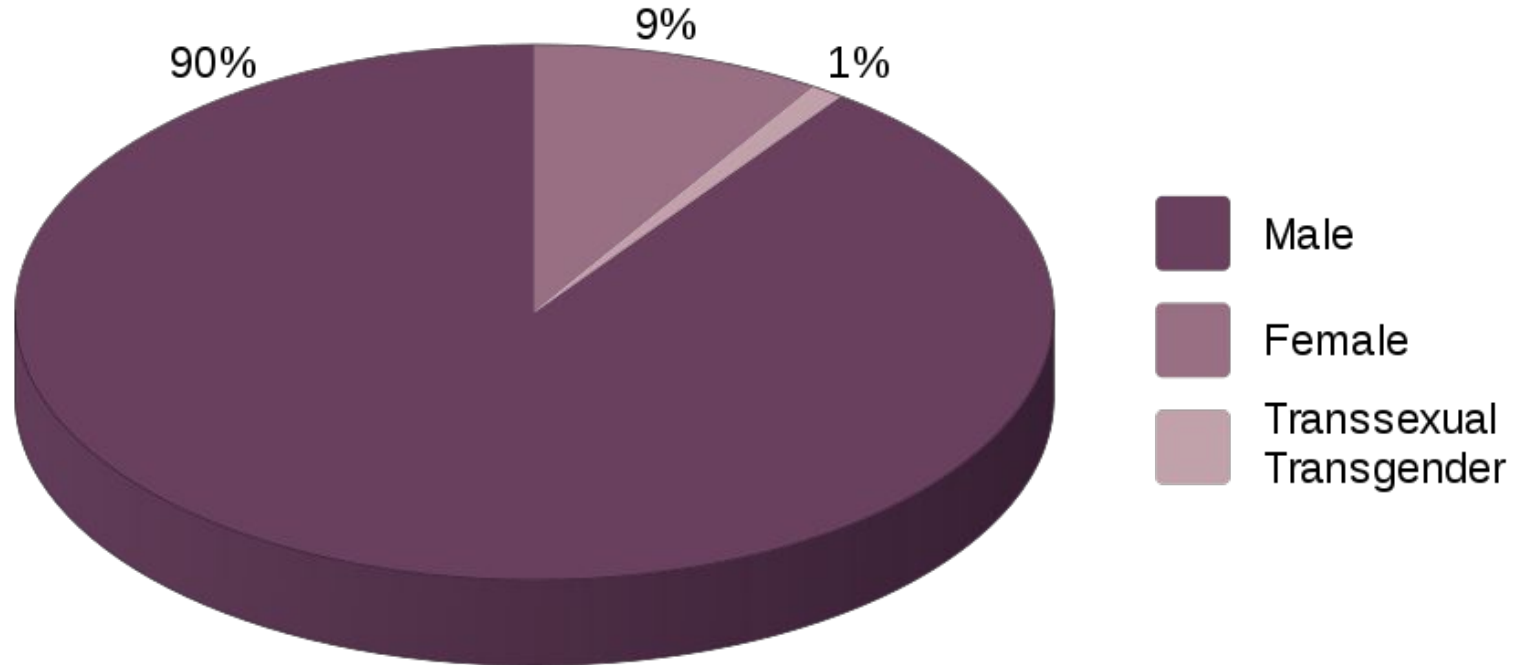
Women will make Wikipedia a nicer place.

Assumption #5

**Women have free time to
dedicate to Wikipedia.**

2018, **women editors** = **9%**

Wikipedia editors are predominantly male

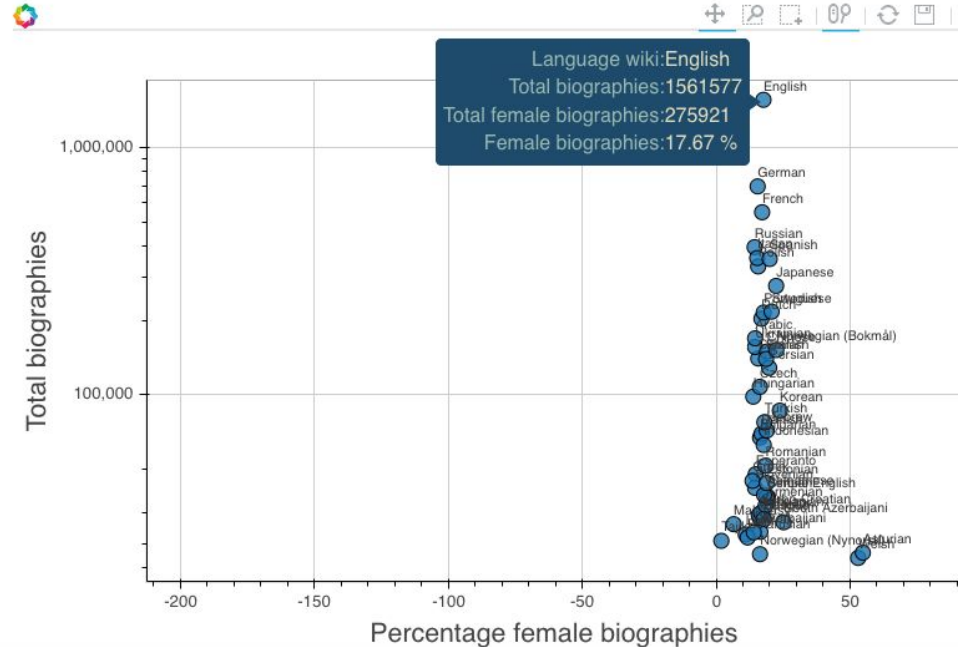


Representation gender bias



2018, women's biographies = 17.67%

All time, as of 05 Nov '18



Associativity of words with gender



Donna Strickland [edit]

ORES predicted quality: ⊕ GA (4.06)

A *B-class* article from Wikipedia, the free encyclopedia

Donna Theo Strickland (born 27 May 1959)^{[1][2][3]} is a Canadian [optical physicist](#) and pioneer in the field of [pulsed lasers](#). She was awarded the [Nobel Prize in Physics](#) in 2018, together with [G rard Mourou](#), for the invention of [chirped pulse amplification](#).^[4] She is a [professor](#) at the [University of Waterloo](#).^[5]

She served as fellow, vice president, and president of [The Optical Society](#), and is currently chair of their Presidential Advisory Committee.

Contents [hide]

- [Early life and education](#)
- [Career](#)
- [Awards and recognition](#)
 - [Nobel Prize](#)
- [Selected publications](#)
- [Personal life](#)
- [See also](#)
- [Notes](#)
- [References](#)
- [External links](#)

Early life and education [edit]



Strickland was born on 27 May 1959, in [Guelph](#), Ontario, Canada to Edith J. (*n e* [Ranney](#)), an English teacher ^[6] and Lloyd Strickland, an electrical engineer ^[1] She decided to attend [McMaster University](#)

Donna Strickland



Born	<div>Donna Theo Strickland</div> <div>27 May 1959 (age 59)</div> <div>Guelph, Ontario</div>
Education	<div>McMaster University (BS)</div> <div>University of Rochester (MS, PhD)</div>
Known for	<div>Intense laser-matter interactions</div> <div>Nonlinear optics</div> <div>Short-pulse intense laser systems</div> <div>Chirped pulse amplification</div> <div>Ultrafast optics</div>
Spouse(s)	<div>Doug Dykaar</div>

Donna Strickland [edit]

ORES predicted quality: ⊕ GA (4.06)

A *B-class* article from Wikipedia, the free encyclopedia

Donna Theo Strickland (born 27 May 1959)^{[1][2][3]} is a Canadian **optical physicist** and pioneer in the field of **lasers**. She was awarded the **Nobel Prize in Physics** in 2018, together with **Arthur Ashkin** and **Gérard Mourou**, for the invention of **chirped pulse amplification**.^[4] She is a **professor** at the **University of Waterloo**.^[5]

She served as fellow, vice president, and president of **The Optical Society** and is currently chair of the **Presidential Advisory Committee**.

Contents [hide]

- 1 Early life and education
- 2 Career
- 3 Awards and recognition
 - 3.1 Nobel Prize
- 4 Selected publications
- 5 Personal life
- 6 See also
- 7 Notes
- 8 References
- 9 External links

Early life and education [edit]



Strickland was born on 27 May 1959, in **Guelph**, Ontario, Canada to Edith J. (*née* Ranney), an English teacher ^[6] and Lloyd Strickland, an electrical engineer ^[1]. She decided to attend **McMaster University**.

Donna Strickland



Born	Donna Theo Strickland 27 May 1959 (age 59) Guelph , Ontario
Education	McMaster University (BS) University of Rochester (MS, PhD)
Known for	Intense laser-matter interactions Nonlinear optics Short-pulse intense laser systems Chirped pulse amplification Ultrafast optics
Spouse(s)	Doug Dykaar

#1

Differences in meta-data are coherent with results in previous work, where women biographies were found to contain more marriage-related events than men's.

Graells-Garrido, Eduardo; Lalmas, Mounia; Menczer, Filippo (2 June 2015). "First Women, Second Sex: Gender Bias in Wikipedia" (PDF). ACM

#2

Sex-related content is more frequent in women biographies than men's, while cognition-related content is more highlighted in men biographies than women's.

#3

A strong bias in the linking patterns results in a network structure in which articles about men are disproportionately more central than articles about women.

2012
WikiProject
Women Scientists



2013
WikiProject
Women Artists



2014 WikiProject Women Writers



2014
WikiProject
Art+Feminism



2015
WikiProject
Women in Red



Mapping gender diversity

2017 Gender Diversity Mapping - project launch



Conversations with movement leaders



65

**People
interviewed**



29

**Countries
represented**



26

**Languages
represented**

“When you contacted me, I was so glad. It made me realize how low a priority gender diversity was in my community. Though I am hopeless in my community that there will be change, maybe this will influence one person somewhere to contribute on this subject.” -Anonymous



*“It’s become apparent with this project that **gender is so culturally informed and expressed--such different understandings of what gender is in different regions/countries/cultures. Trying to communicate around gender is very difficult.**” -Anonymous*



2017 Gender Diversity Mapping - preliminary results

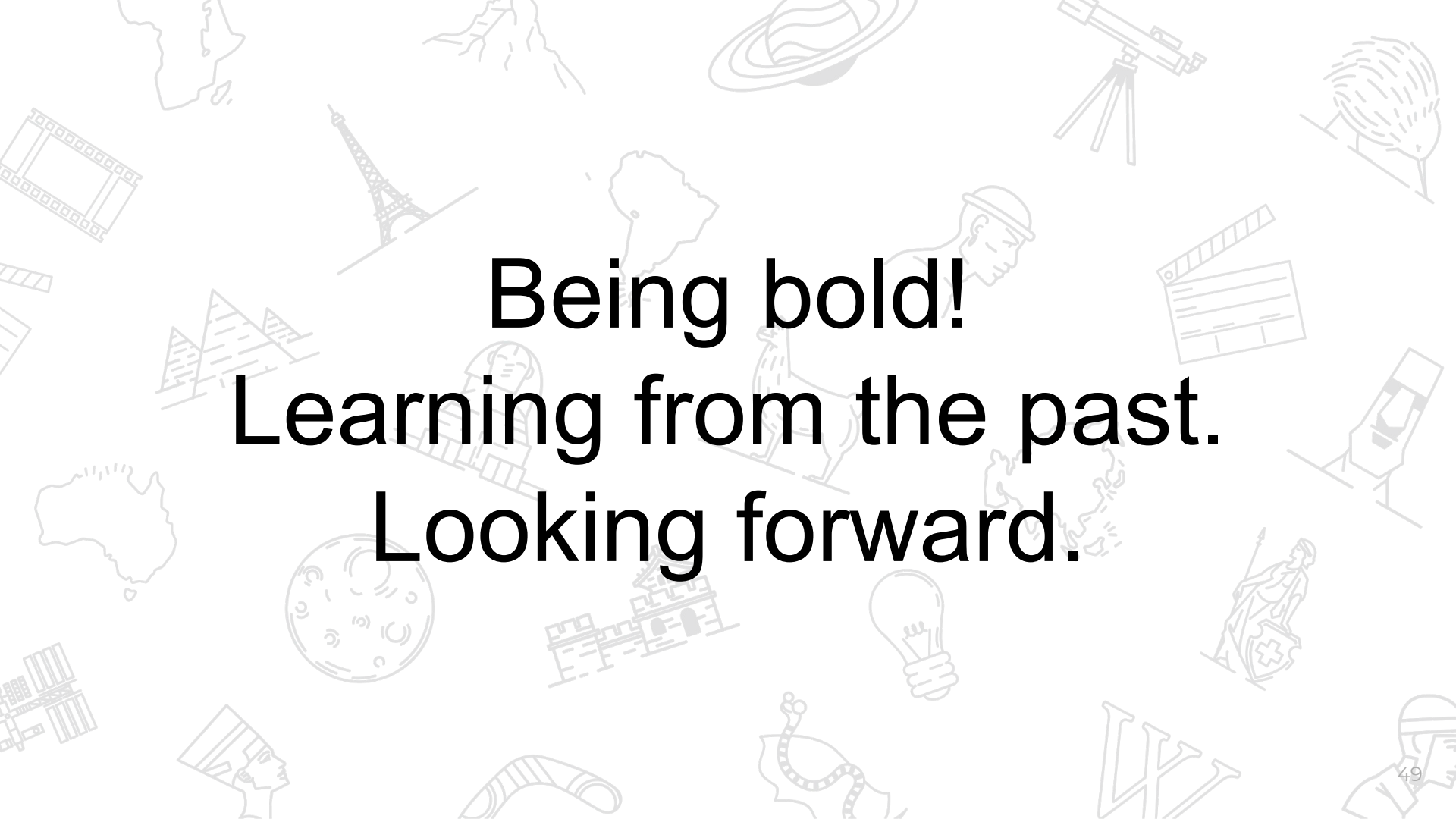


2018
Final Report
Advancing Gender
Equity -
conversations with
movement leaders



2018
Final Report
Advancing Gender
Equity -
conversations with
movement leaders





Being bold!
Learning from the past.
Looking forward.

2018-20
roadmap

2030
strategic direction



*"It has been my
philosophy of life that
difficulties vanish
when faced boldly."
-Isaac Asimov*



"It is not women's inferiority that has determined their historical insignificance. It is their historical insignificance that has doomed them to inferiority." -Simone de Beauvoir



*"Never doubt that a
small group of
committed people can
change the world."
-Margaret Mead*



*“The rain that
refreshes the parched
ground, is made up of
single drops.”* -Kate
Sheppard



"Stay afraid, but do it anyway. What's important is the action. You don't have to wait to be confident. Just do it and eventually the confidence will follow." -Carrie Fisher



label — **Douglas Adams** (Q42) — item identifier

description — English writer and humorist
Douglas Noël Adams | Douglas Noel Adams — aliases
▶ In more languages

Statements

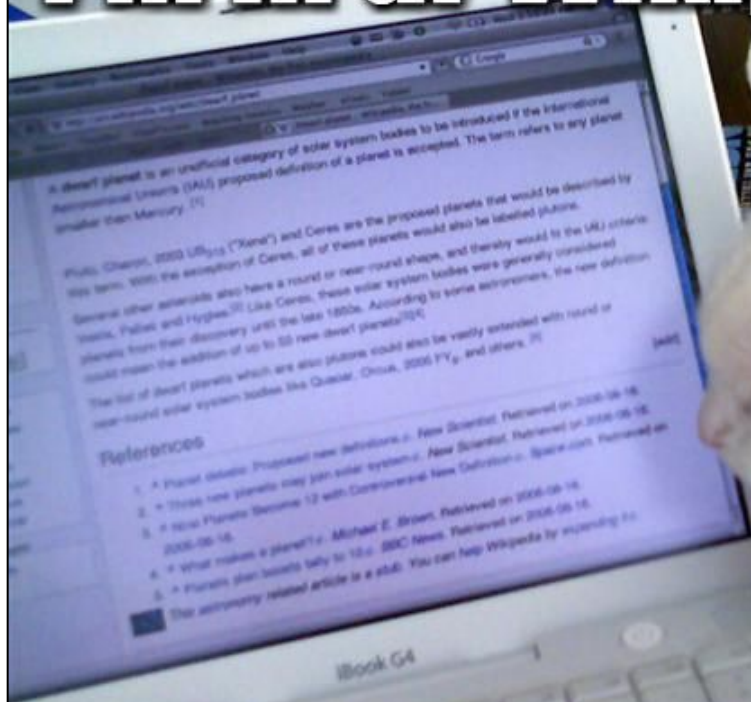
property — **educated at** — value
St John's College
end time 1974
academic major English literature
academic degree Bachelor of Arts
start time 1971 — qualifiers

rank —
statement group —
▼ 2 references
opened references
stated in Encyclopædia Britannica Online
reference URL <http://www.nndb.com/people/731/000023662/>
original language of work English
retrieved 7 December 2013
publisher NNDB
title Douglas Adams (English)
+ add reference

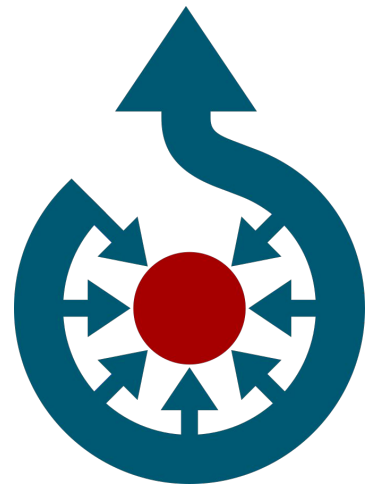
Brentwood School
end time 1970
start time 1959
▶ 0 references — collapsed reference
+ add (statement)



I'm in ur Wikipedia



Editing ur articles





[Architects](#)

[Artists](#)

[Feminism](#)

[Health](#)

[History](#)

[History Month](#)

[Jewish women](#)

[Psychology](#)

[Scientists](#)

[Sport](#)

[Technology](#)

[Warfare and military](#)

[Wiki Loves Women \(Africa\)](#)

[Women's History Month](#)

[Writers](#)

Missing articles department:

[Women in Red](#)

Article improvement department:

[Women in Green](#)

See also:

[Gender gap task force](#)

Thank you



WIKIMEDIA
DISTRICT OF COLUMBIA

Bibliography

- "Art+Feminism". *Wikipedia*.
- Bateman, Oliver Lee (1 February 2017). "Wikipedia Is Being Ripped Apart By a Witch Hunt For Secretly Paid Editors. With undisclosed paid editing on the rise, Wikipedians and the Wikimedia Foundation are working together to stop the practice without discouraging user participation". *Motherboard*.
- Cole, Samantha (7 November 2018). "A Third of Wikipedia Discussions Are Stuck in Forever Beefs". *Motherboard*.
- Collier, Benjamin; Bear, Julia (11 February 2012). "Conflict, confidence, or criticism: An empirical examination of the gender gap in wikipedia". CSCW '12 Computer Supported Cooperative Work, Seattle, WA, USA. pp. 383–392. doi:10.1145/2145204.2145265.
- "Community Engagement Insights/2018 Report - Meta". *meta.wikimedia.org*. 2018.
- Cruz, Maria (27 October 2018). "Women in the Wikimedia movement: Roles, culture and opportunities". *Medium*.
- "Decolonizing the Internet conference". *Whose Knowledge*.
- Fernandez, Robert (13 November 2018). "Five ways academics can contribute to Wikipedia". wikimediafoundation.org.

- Gardner, Sue (20 February 2011). "Nine Reasons Women Don't Edit Wikipedia (in their own words)". *Sue Gardner's Blog*.
- "Gender Diversity Mapping - Meta". *meta.wikimedia.org*. 2017
- Graells-Garrido, Eduardo; Lalmas, Mounia; Menczer, Filippo (2 June 2015). "First Women, Second Sex: Gender Bias in Wikipedia" (PDF). ACM Conference on Hypertext and Social Media 2015.
- McMillen, Andrew (6 February 2017). "One Woman's Brilliant "Fuck You" to Wikipedia Trolls". *WIRED*.
- "OCLC and Wikipedia Library link citations to millions of library materials, expanding access to quality sources". *www.oclc.org*. 11 May 2017.
- Pearl, Mike (25 November 2016). "A Wikipedian Explains How Wikipedia Stays Reliable in the Fake News Era". *Vice*.
- Sengul-Jones, Monika (1 June 2018). "Three things librarians wanting to engage with Wikipedia should think about first". *OCLC Next*.
- Shteynberg, Catherine (28 March 2012). "Meet Sarah Stierch: The Archives' Wikipedian in Residence". Smithsonian Institution Archives.
- Wadewitz, Adrienne (26 July 2013). "Wikipedia's gender gap and the complicated reality of systemic gender bias Page" *Hastac*.

- Wagner, Claudia, Graells-Garrido, Eduardo, & Garcia, David, "Women Through the Glass-Ceiling: Gender Asymmetries in Wikipedia", *arXiv*, 19 January 2016.
- WHGI Dev Team. "Gender by Wikipedia Language | WHGI". *whgi.wmflabs.org*.
- "Wikimedia movement". *Wikipedia*. 7 November 2018.
- "Wikipedia". *Wikipedia*. 3 November 2018.
- "Wikipedia:WikiProject Countering systemic bias/Gender gap task force". *Wikipedia*. 29 October 2018.
- "Writing women into the encyclopedia". *Wikipedia*.

Images

- Slide 1 and 59: Image: By Gamaliel [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], from Wikimedia Commons
- Slide 3: Image: By Brian Feinzimer (LA Fundraising Event) [CC0], via Wikimedia Commons
- Slide 4: Image: By Brian Feinzimer (LA Fundraising Event) [CC0], via Wikimedia Commons. Image: Andrew Laing [CC BY-SA 2.0 (<https://creativecommons.org/licenses/by-sa/2.0>)], via Wikimedia Commons
- Slide 5: Image: By Brian Feinzimer (LA Fundraising Event) [CC0], via Wikimedia Commons
- Slide 6: Image: Illustration by Hana Song
- Slide 7: Image: By Cole Campese from Hinsdale, USA (Campese and Bailey Chicago Day Trip) [CC BY 2.0 (<https://creativecommons.org/licenses/by/2.0>)], via Wikimedia Commons
- Slide 8: Image: By User:Mark Miller, User:Herostratus and User:Masur (This file was derived from: Nodollarhandshake.jpg:) [Public domain], via Wikimedia Commons
- Slide 9: Image: By Darth Stabro at en.wikipedia [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>) or GFDL (<http://www.gnu.org/copyleft/fdl.html>)], via Wikimedia Commons

- Slide 10: Image: Wikimedia Foundation [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], via Wikimedia Commons
- Slide 11: Image: By Original:Wikileaks , NowikileaksVector:Cirt [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], via Wikimedia Commons.
- Slide 11 and 32: Image: By Con-struct [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], from Wikimedia Commons
- Slide 12: Image: the internet
- Slide 13: Image: the internet
- Slide 18: Image: By VGrigas (WMF) [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], from Wikimedia Commons
- Slide 18: Image: User:Jami (Wiki Ed) [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], via Wikimedia Commons
- Slide 19: Image: By Lane Hartwell [GFDL (<http://www.gnu.org/copyleft/fdl.html>) or CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], via Wikimedia Commons
- Slide 20: Image: By Nallive Andrea Pestaña [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], from Wikimedia Commons
- Slide 21: Image: By Sage Ross [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>) or CC BY 3.0 (<https://creativecommons.org/licenses/by/3.0>)], via Wikimedia Commons
- Slide 27: Image: Goran tek-en [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], from Wikimedia Commons

- Slide 29: Image: Wikidata Human Gender Indicators (WHGI)
- Slide 30: Image: <https://arxiv.org/pdf/1502.02341.pdf>
- Slide 31 and 32: Image: By Laurence L. Levin, work-for-hire for The Optical Society [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], via Wikimedia Commons
- Slide 36: Image: By VGrigas (WMF) [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], from Wikimedia Commons
- Slide 37: Image: By Sarah_Stierch-7.jpg: Matthew (WMF) derivative work: Crisco 1492 (This file was derived from: Sarah Stierch-7.jpg:) [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], via Wikimedia Commons
- Slide 38: Image: Geraldshields11 [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], from Wikimedia Commons
- Slide 39 Image: By Maeveoregan [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], from Wikimedia Commons
- Slide 40 Image: By KammaRahbek.svg: LifarnDerivative works of this file: Nevit (This file was derived from: KammaRahbek.svg:) [Public domain], via Wikimedia Commons
- Slide 42: Image: By ZMcCune (WMF) [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], from Wikimedia Commons

- Slide 43: Image: Maria Cruz
- Slide 44: Image: Maria Cruz
- Slide 45: Image: Dondolids, CC-by-SA 4.0
- Slide 46: Image: By Carolina De Luna for Wikimedia Mexico (WikiwomenCamp 2017, Mexico City, Mexico) [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], via Wikimedia Commons
- Slide 47: Image: VGrigas (WMF) [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], from Wikimedia Commons
- Slide 48: Image: Photo: Manuel Martagon [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], via Wikimedia Commons
- Slide 50: Image: By Uncommon Fritillary (Wikimedia Conference 2018 (Berlin, Germany)) [CC BY-SA 2.0 (<https://creativecommons.org/licenses/by-sa/2.0>)], via Wikimedia Commons
- Slide 51: Image: LiAnna Davis [GFDL (<http://www.gnu.org/copyleft/fdl.html>) or CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], via Wikimedia Commons
- Slide 52: Image: Moshe Milner [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], via Wikimedia Commons
- Slide 53: Image: By Smithsonian Institution from United States (Margaret Mead (1901-1978)Uploaded by Fæ) [No restrictions], via Wikimedia Commons

- Slide 54: Image: From *Outlines of the women's franchise movement in New Zealand* (1905) by William Sidney Smith (1852-1929). Public domain.
- Slide 55: Image: By Carrie Fisher (514443469).jpg: Official Star Wars Blog derivative work: Mercurial (Carrie Fisher (514443469).jpg) [CC BY 2.0 (<https://creativecommons.org/licenses/by/2.0>)], via Wikimedia Commons
- Slide 56 Image: By Charlie Kritschmar (WMDE) [CC0], from Wikimedia Commons. Image: Jorge Abellán [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], from Wikimedia Commons
- Slide 57 Image: By Original: Jerry7171 Modified image: AmosWolfe (flickr (original).Text added using Lolcat Builder) [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], GFDL (<http://www.gnu.org/copyleft/fdl.html>) or CC BY-SA 2.0. (<https://creativecommons.org/licenses/by-sa/2.0>)], via Wikimedia Commons. Image: Jckfa [Public domain], from Wikimedia Commons
- Slide 58: Image: William Johnson [No restrictions, Public domain, No restrictions or Public domain], via Wikimedia Commons
- Slide 59: Image: Pictofigo [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], from Wikimedia Commons