



Towards a diversity-minded Wikipedia

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The loss of viewpoint diversity



[Organizing for America | BarackObama.com](#)

Organizing for America is the grassroots organization that supports President Obama's agenda for change. Visit [BarackObama.com](#) for blog posts, local events, ...
[www.barackobama.com/](#)

[Barack Obama – Wikipedia](#)

Barack Hussein Obama II [bəˈdʌ:k huːˈseɪn ouˈbɑːmə] (* 4. August 1961 in Honolulu, Hawaii; ist seit dem 20. Januar 2009 der 44. ...
[de.wikipedia.org/wiki/Barack_Obama](#)

[Barack Obama - Wikipedia, the free encyclopedia](#)

Barack Hussein Obama II is the 44th and current President of the United States. He taken office in 2009. He is the first African American to hold the office.
[en.wikipedia.org/wiki/Barack_Obama](#)

[Barack Obama Biography - Biography.com](#)

17 Mar 2011 ... Learn more about the life and presidency of **Barack Obama** on Biography.com. Watch videos, see exclusive photos and more!
[www.biography.com/articles/barack-obama-12782369](#)

[Barack Obama's popularity soars - in Germany - The New York Times](#)

6 Jan 2008 ... BERLIN — **Barack Obama's** popularity extends far beyond the heart of Central Europe. Germany has swiftly developed a serious interest in the president.
[www.nytimes.com/2008/01/06/world/europe/06iht-berlin.4.9043329.html](#)

[YouTube - Barack Obama Schwäbisch - Rede Berlin - dodokay](#)

11. Jan. 2009 ... I am sure Barack would least approve of all your bitching. ...
Barack Obama Berlin Speech Part 1 by PieReportNews119025 views ...
[www.youtube.com/watch?v=eF3qxtO70Zw](#)

Kunden, die dasselbe suchten wie Sie, haben gekauft

Book Title	Author	Format	Price
Pride and Prejudice (2 Disc Set)	Jane Austen	DVD	EUR 12,97
Pride and Prejudice Taschenbuch	Colin Firth, Jennifer Ehle, David...	Taschenbuch	EUR 2,30
Pride and Prejudice - Stolz und... (DVD)	Colin Firth, Jennifer Ehle, David...	DVD	EUR 39,99
Pride And Prejudice - 10th... (DVD)	Colin Firth, Jennifer Ehle, David...	DVD	EUR 25,99

Inspiriert von Ihren Stöber-Trends

Sie haben angesehen: Ihnen könnten diese Artikel gefallen:

Book Title	Author
Die Schindler-Liste	Tomasz Szarnecki
Die Schindler-Liste und der Regen	Tomasz Szarnecki
Die Schindler-Liste	Tomasz Szarnecki
Die Schindler-Liste	Tomasz Szarnecki

Wikipedia is biased



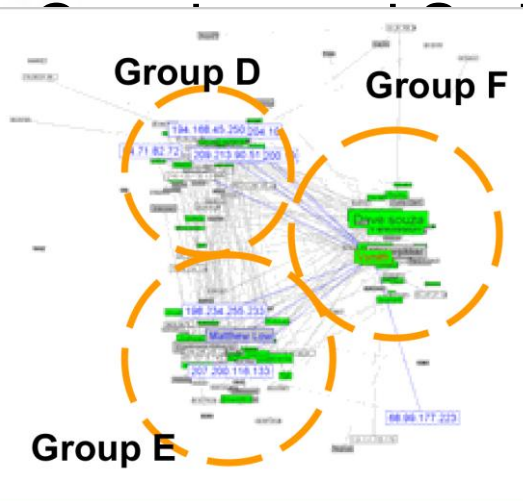
○ To what extent does Wikipedia represent all relevant PoVs?

○ Neutral-point-of-view policy

○ Examples: Conservapedia

○ Indian editions

The screenshot shows the Conservapedia page for Barack Hussein Obama. The page title is "Barack Hussein Obama" with a sub-note "(Redirected from Barack Obama)". The main text describes Obama as the 44th President of the United States, defeated Republican nominee John McCain in 2008. It mentions his embrace of "Socialism and liberal policies" and his actions in office, including a recession, health care legislation, the Afghanistan War, and the Libya intervention. A table of contents is visible at the bottom, listing sections like "Early life", "Illinois State Senate career", "U.S. Senate career", and "Presidential Election". The site logo "Conservapedia" and a search bar are also present.



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Use Case - In collaboration with Wikimedia Germany:

Displaying warnings when detecting patterns of bias in editing behavior

The screenshot shows the Wikipedia interface for the article "Network-centric warfare". On the left is the standard Wikipedia sidebar with links like "Main page", "Contents", and "Random article". The main content area shows the article title and a sub-header "From Wikipedia, the free encyclopedia". A purple-bordered box highlights a warning message: "The **neutrality** of this article is **disputed**. Please remove this message until the **dispute is resolved**." Below the warning, the article text begins with "Network-centric warfare, now commonly called network-centric operations, is a Department of Defense..."

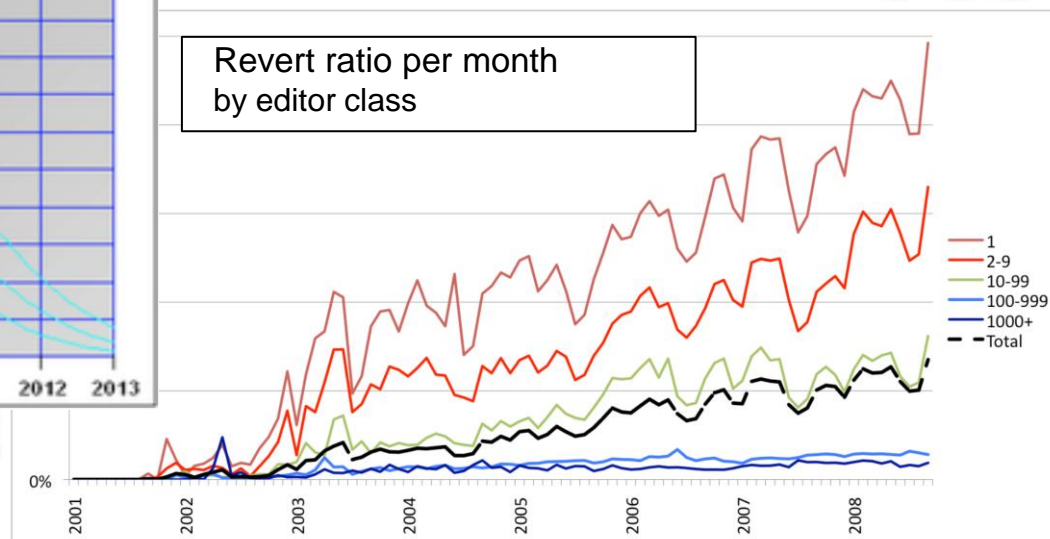
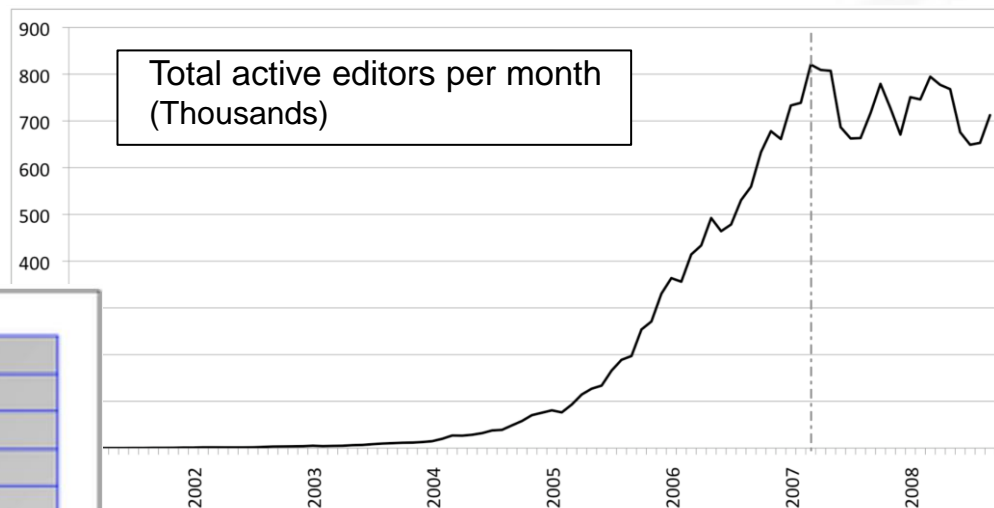
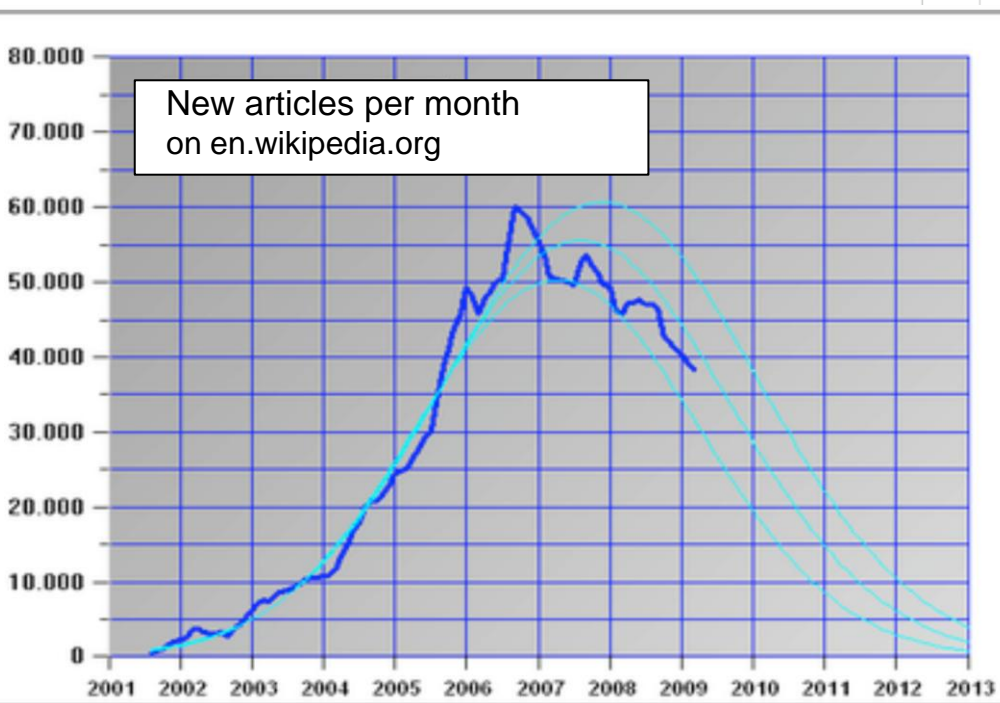
Challenge:

Identify, understand and predict socio-technical mechanisms leading to bias

Context: Slowing growth and content saturation



- Less new articles, less edit growth since 2007
- Consolidation of articles
- No room for easy contribution



Figures by Suh et al.

"The Singularity is not near: Slowing growth of Wikipedia"



- Consensus: social proof and consolidation
- Ownership behavior
- Opinion camps and editor drop-out
- Boldness and useful conflicts
- Bureaucracy and implicit social norms
- Personal characteristics of authors
- WikiProjects and other groups



1. Identify typical patterns for a socio-technical mechanisms
2. Evaluate if these patterns are typical for articles marked as “biased”
3. Train machine learning algorithms to predict bias using the patterns



1. Finding patterns:

○ Ownership behavior

• Typical patterns in “Maintained” articles

- High # of reverted newcomers
- High concentration of edits, reverts
- Core high-activity-editor group
- ...

• Methods

- Statistical analysis on revision history, etc.
- SNA

○ .. And for all the listed mechanisms



- Building a prediction model as complete as possible
 - Converge with other models developed for Wikipedia in RENDER
- Build tools that help the shrinking number of editors to cope with the work overload of finding and curing bias