Indicators for Wikimedia Projects
Welcome!

Presentation of projects
- Knowledge Gaps Index
- Knowledge Integrity Risk Observatory
- Community Health Metrics

Open discussion
Etherpad + Jitsi
Research and indicators

Indicators and the concepts they represent are critical because they frame reality in a particular way, and end up influencing both the solutions we take and how we prioritize them.
Co-create the indicators: From raising awareness to strategizing with them
Two Goals: Disseminate and Discuss

Knowledge Gaps Index

Miriam • Martin • Marc

Knowledge Integrity Risk Observatory

Pablo • Diego

Community Health Metrics

David • Cristian • Marc
Knowledge Gaps Index

Miriam • Martin • Marc
Knowledge Equity
[from Movement Strategy]

As a social movement, we will focus our efforts on the knowledge and communities that have been left out by structures of power and privilege.

We will welcome people from every background to build strong and diverse communities.

We will break down the social, political, and technical barriers preventing people from accessing and contributing to free knowledge.
How far are we from reaching knowledge equity?

Decomposing the notion of knowledge equity into quantifiable sub-components: knowledge gaps. Our goal is to identify and quantify all knowledge gaps in Wikimedia projects.

The goal:
A Knowledge Gap Index

A product for WMF, communities, affiliates, and researchers to set targets for addressing knowledge gaps and monitor the progress towards the targets and knowledge equity based on quantifiable evidence.
Step 1: Taxonomy of knowledge gaps
Finding and classifying evidence of inequalities in Wikimedia projects.

Step 2: Quantifying knowledge gaps
Defining metrics based on large data collection and analysis.
Challenges/ Open questions

- Which gaps are we missing?
- Which root dimensions are we missing?
- Can we measure all gaps?
- Should we measure all gaps?
- What about privacy?
- Which metric to choose?
- What is a good target value for a metric?
- What about governance?
- ...?
Knowledge Integrity
Risk Observatory

Pablo · Diego
Knowledge as a Service  
[from Movement Strategy]

To serve our users, we will become a platform that serves **open knowledge to the world across interfaces and communities**.

We will build tools for allies and partners to organize and exchange free knowledge beyond Wikimedia.

Our infrastructure will enable us and others to **collect and use different forms of free, trusted knowledge**.
Knowledge integrity varies across Wikipedias

Non-English Editions of Wikipedia Have a Misinformation Problem

BY YUMIKO SATO  MARCH 19, 2021 • 9:00 AM

A Teen Threw Scots Wiki Into Chaos and It Highlights a Massive Problem With Wikipedia

Victoria Song
Published 9 months ago: August 27, 2020 at 4:18 am - File to: SCOTS WIKIPEDIA

slate.com
gizmodo.com.au
The goal: Knowledge Integrity Risk Observatory

A multi-dimensional observatory to monitor knowledge integrity risks across different Wikipedias using quantitative indicators from data generated inside and outside the Wikimedia ecosystem.
Step 1: Taxonomy of knowledge integrity risks

Finding and classifying evidence of risks in Wikipedia projects from foundational, academic and journalistic literature.

Step 2: Quantifying knowledge integrity risks
Defining metrics based on large data collection and analysis.

Core principles

- Keep them simple (MVP)
- Easily interpretable
- Comparable across wikis
- Language-agnostic
- Periodically updatable
- …?
Community Health Metrics

Cristian • David • Marc
Community Health

Community Health Metrics (CHM) is a project to measure, understand and make recommendations to improve Wikipedia communities health.

We envision a community who is aware of its current state of health and both accompany newcomers in the process of becoming Wikipedians, sustain and takes care of itself, and ultimately, farewell and recognize editors in their process of retirement.
Framework

- **Wikibreak (temporary drop-off):** A wikibreak or wiki-absence is a period during which an editor decides not to edit, although only temporarily.

- **Retiring (permanent drop-off):** Retiring means leaving Wikipedia. It is generally a permanent status rather than a temporary absence.

- **Semi-retiring (partial drop-off):** Becoming less active with respect to the previous editing level.

Different types of analyses on at least five languages

- Structure of users' interactions in talk pages, especially regarding controversy and toxicity detection.
- Emotional expression in discussions over time.
- Conflict and controversy in articles, focusing on revert and revert chains.
- Usage of {{wikibreak}} and related templates.
- Impact of user warnings templates (e.g. {{uw-plagiarism}}, {{aviso autopromoción}}, {{yc}}, ...) on editor activity.
- Analysis of users' activity level over time.
In many languages, a substantial part of the monthly edits are done by the generations who started editing between 2006 and 2015.

There is a risk in the lack of renewal of the active community.
Open questions

- How do you think your community could use community health metrics to plan their renewal and growth?
- Which kind of metrics (on individuals or groups) could raise potential new conflicts? Should we avoid them?
- Should we measure the health of the global community?
- ...

WIKIMANIA
THANK YOU

WIKIMANIA
What we learnt today

● Three projects, same mission: providing data to broaden our understanding of fundamental strategic directions
  ○ Knowledge Gaps
  ○ Knowledge Integrity
  ○ Community Health
● Sharing and co-creating indicators crucial to ensure their effectiveness and adoption.
● A lot of open questions!
Thanks!

Learn more

Knowledge Gaps Meta: Research:Knowledge_Gaps_Index

Knowledge Integrity Meta: Research:WikiPedia_Knowledge_Integrity_Risk_Observatory

Community Health Meta:
- Community Health Metrics
- Grants:Project/Eurecat/Community_Health_Metrics:_Understanding_Edit or_Drop-off
Please share on Remo your questions about any of these three projects
References


