



# A KNOWLEDGE DIVERSITY DASHBOARD FOR WIKIPEDIA

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REFLECTING KNOWLEDGE DIVERSITY

## LinkExtrActor

Please enter an article title and choose a language version.

Title:  in  .wikipedia.org

The article **Philosophy** exists in 170 further language versions.

Requested language version (en) 742 links

The following 3 language versions contain the most links to other Wikipedia articles:

Philosophie (fr)	739 links
Philosophie (de)	636 links
Filosofia (it)	592 links
Inforsion	94 links
no article	1 links
not linked	21 links
linked	72 links

Link to this analysis

English	Italiano	Français	Deutsch
Concept	Filosofia del diritto	Philosophie du droit	Rechtsphilosophie
Knowledge	Concetto	Concept	Begriff (Philosophie)
Hellenistic Greece	Conoscenza	Connaissance	Wissen
Epicurus	Ellenismo	Époque hellénistique	Hellenismus
Herakleides Pontikos	Epicuro	Épicure	EpiKur
Herodotus	Erastide Pontico	Héraclide du Pont	Herakleides Pontikos
Augustine of Hippo	Erodoto	Hérodote	Herodot
Albertus Magnus	Agostino d'Ippona	Augustin d'Hippone	Augustinus von Hippo
	Alberto Magno	Albert le Grand	Albertus Magnus

Link ExtrActor (LEA) evaluates the coverage of a Wikipedia article by analyzing wikilinks, in particular internal links between Wikipedia pages in different language versions.

Based upon the article title and language, all wikilinks in the article are compared with the intersection of all wikilinks of the three largest articles in other languages (in terms of amount of wikilinks, excluding the requested language).

The presentation of articles and links existing in other languages encourage the user to check whether important wikilinks, content or articles miss in the chosen reference language.

## Change Detector

17.06.2012

Language group:  All languages

Reference language:

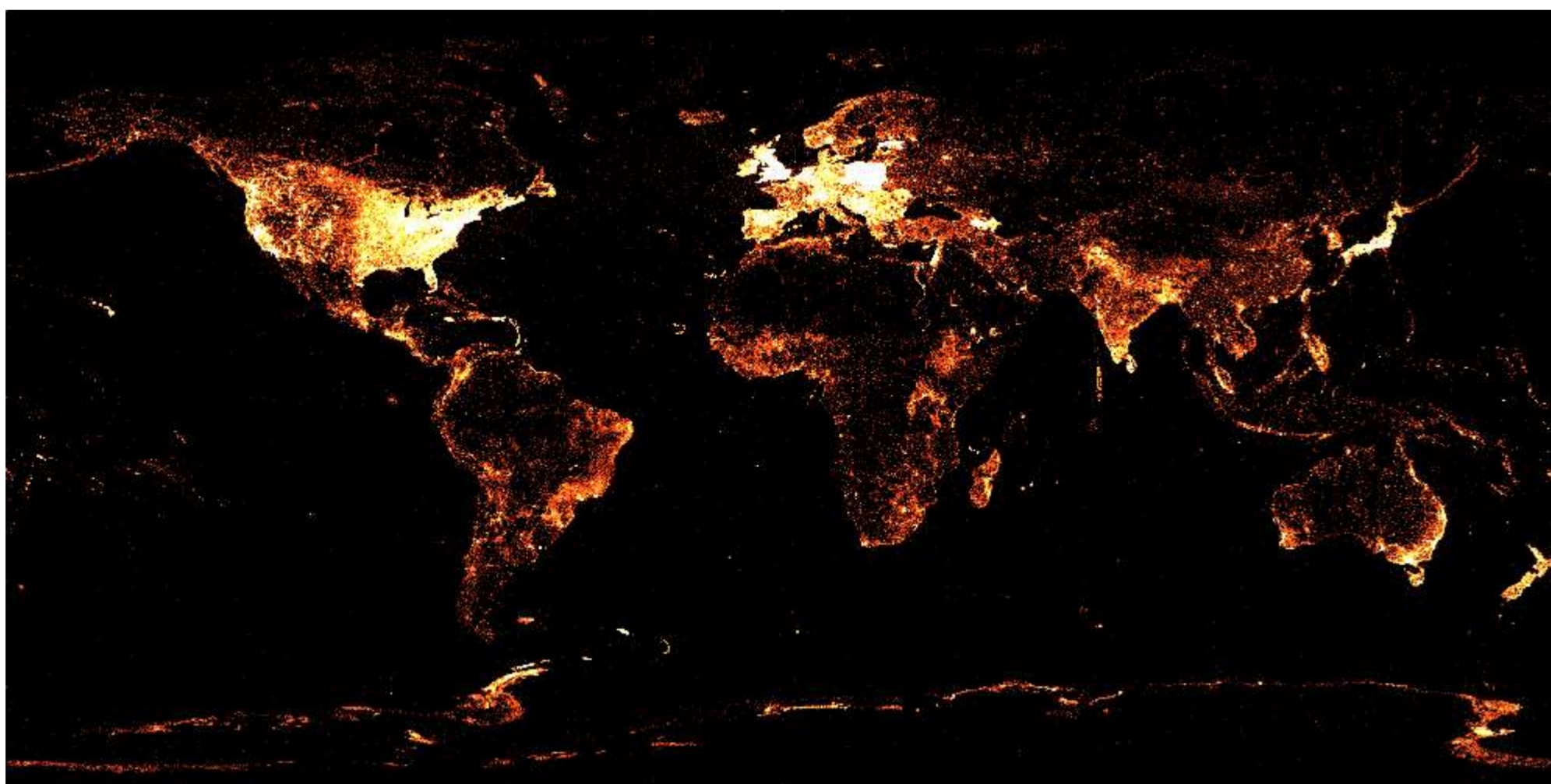
article	Deutsch	English	Français	Português	Español
Living Things (Linkin Park album)	changed	no change	changed	changed	changed
Bastian Schweinsteiger	changed	no change	changed	no change	changed
Cheryl Cole	changed	no change	changed	no change	changed
Darbass Arena	changed	no change	no change	changed	changed
Günther Domenig	changed	no change	changed	no article	changed
Jean-Claude Van Damme	no change	no change	changed	changed	changed

The Change Detector explores timeliness of Wikipedia articles by observing edits in different Wikipedia language editions.

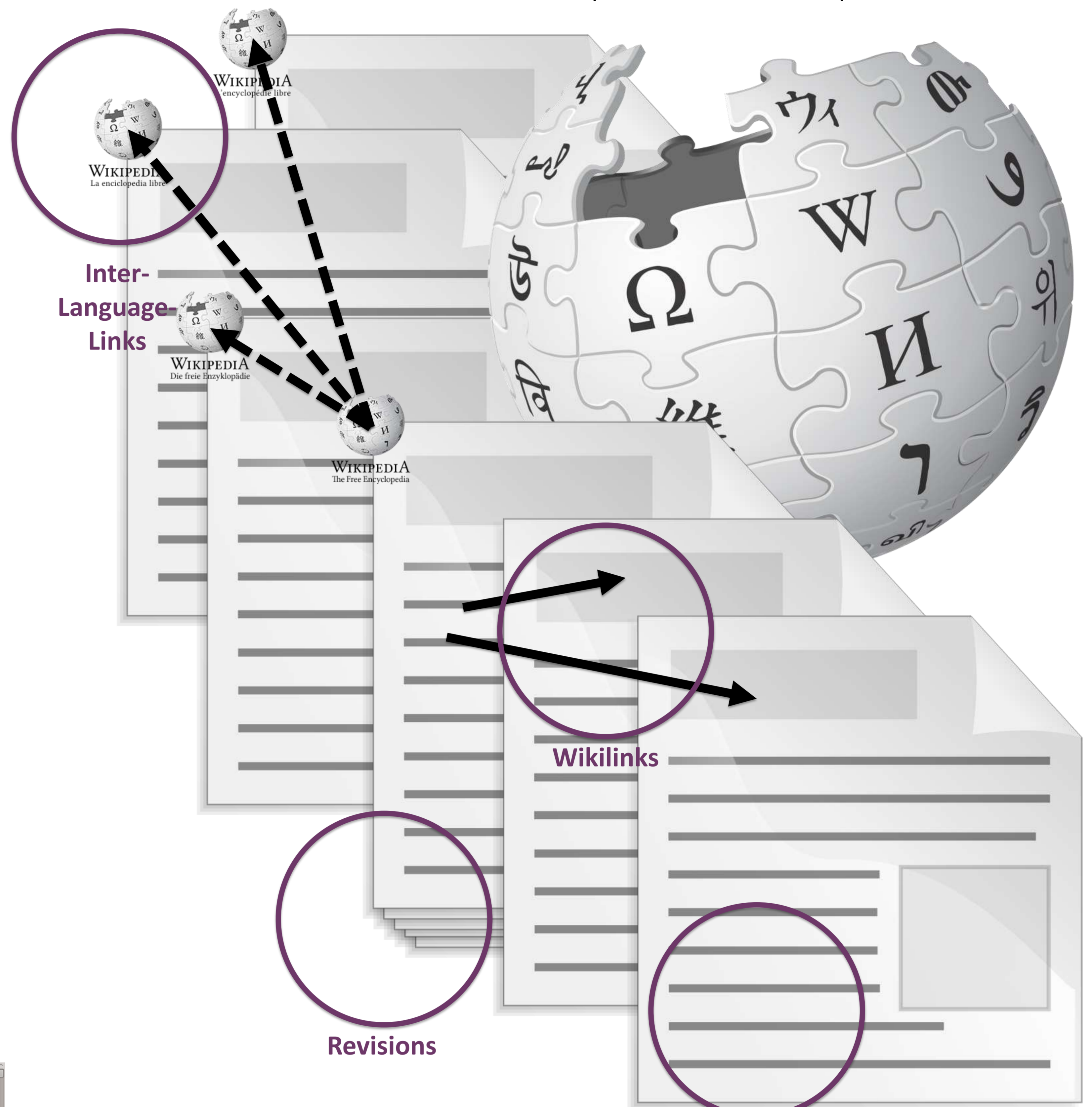
For measuring timeliness of an article, the current version is compared to modifications of the last 50 days. Only major edits are taken into account.

The user is encouraged to check whether important changes have not been included in the article in the chosen reference language.

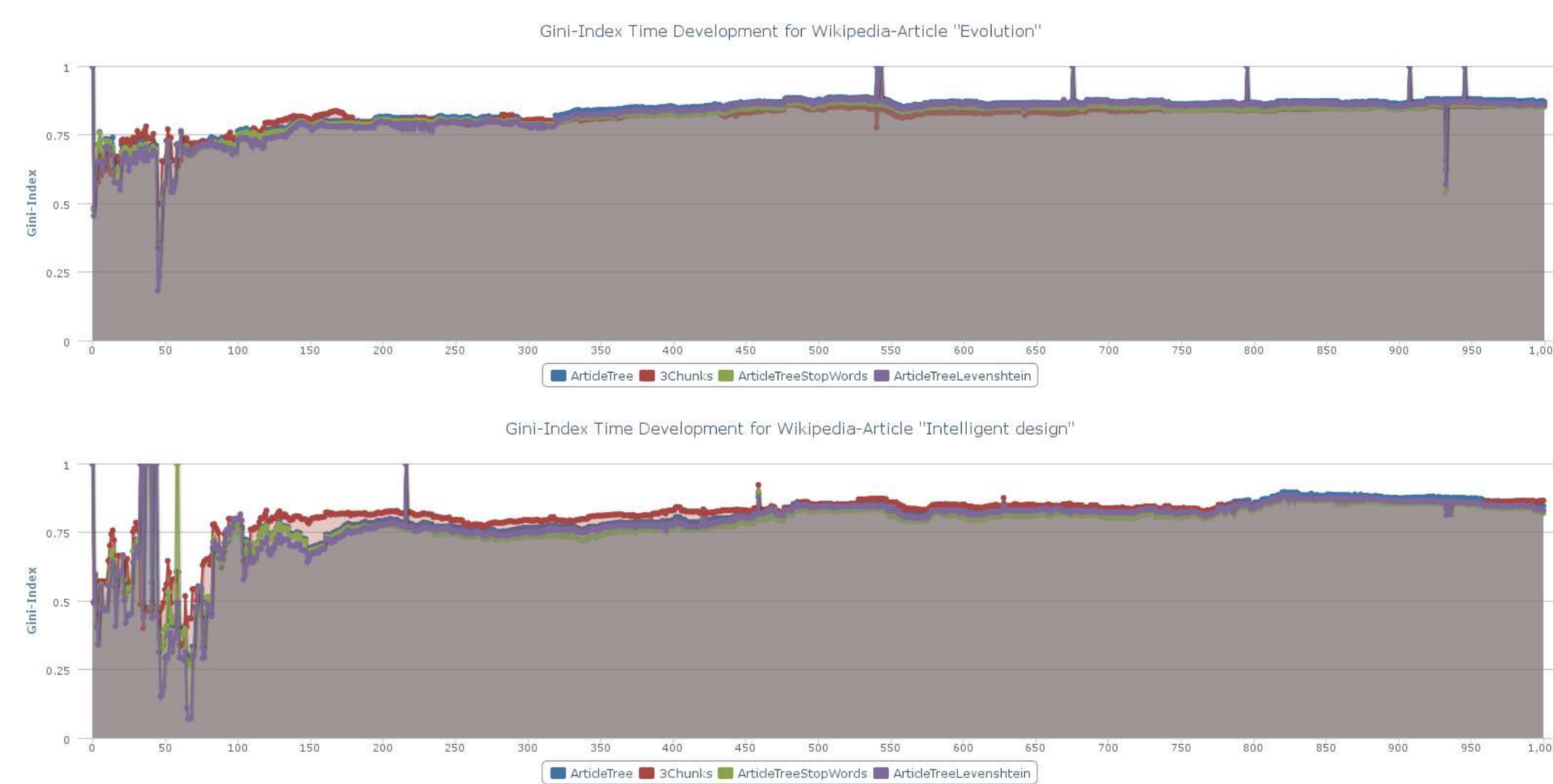
## Wikipedia Map



The Wikipedia Map is a show case visualization of all geo-tagged articles of a Wikipedia language edition at a time. It can be considered as the set of places Wikipedia in respective languages "speaks about".



## WikiGini



WikiGini visualizes the unequal distribution of authorship: it determines the authors of all the words in every revision of an article and calculates a Gini coefficient as a measure of inequality.

It can thus show if the "ownership" of words in an article shifted from being quite equal (e.g. every editor contributed about the same amount of words) to being unequal (e.g. 2% of editors wrote 90% of the words).

## Opinionated Wikipedia

- September 11 attacks - 38
- George W. Bush - 34
- Intelligent design - 32
- Global warming - 32
- Race and intelligence - 28
- Circumcision - 28
- Armenian Genocide - 28
- Macedonians (ethnic group) - 26
- Iraq War - 26
- The Holocaust - 24
- Muhammad - 24
- Jesus - 24
- Israel - 24
- Arab Israeli conflict - 24
- Zionism - 22
- Srebrenica massacre - 22
- Islamophobia - 22
- Homeopathy - 22
- Holocaust denial - 22
- Evolution - 22

Opinionated Wikipedia detects Wikipedia articles that have been tagged with the Wikipedia neutrality template. This happens with respect to promotional content and in case of disputed neutrality. The tool is able to identify the diversity of opinions expressed in Wikipedia articles, as well as learning the characteristics of opinionated articles.

First experimental results aim at detection of most opinionated articles, topics and keywords. Future work will employ these findings as features in order to learn the characteristics of opinionated Wikipedia articles, such as word/sentence/paragraph changes and additions, or reference additions/deletions.



STI · INNSBRUCK

