



Multilingual Structured (Climate) Research Data in Wikidata

The Community Perspective

Cristina Sarasua & Daniel Mietchen

DOI: [10.5281/zenodo.3994272](https://doi.org/10.5281/zenodo.3994272)

[View on YouTube](#)

Hurricane Katrina with 10 years hindsight



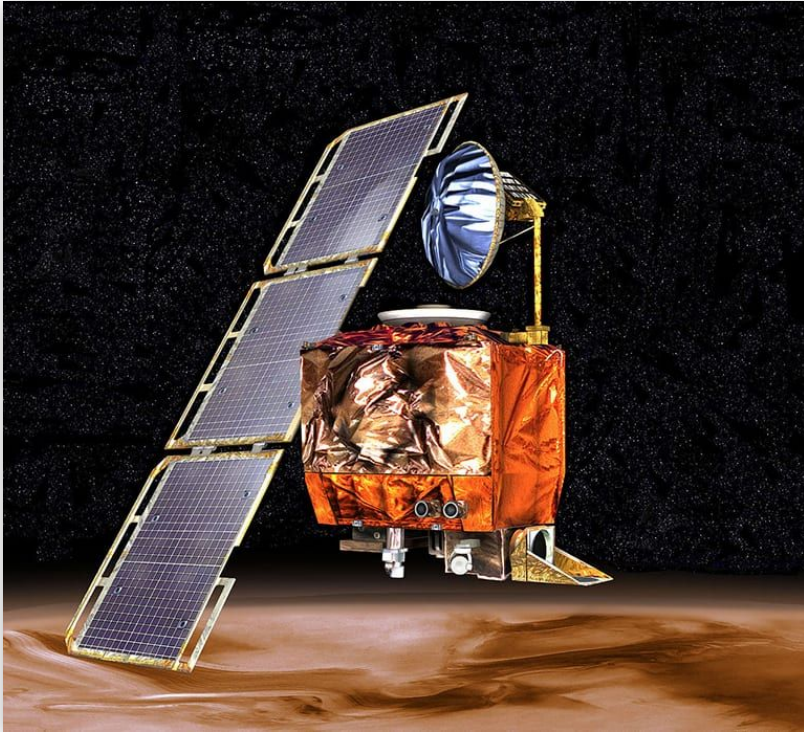
“Open data matters most when the stakes are high

[...]

One of the great lessons we learned through the experience was the power of data to illuminate our path to recovery.”

—Denice Ross (2015), Presidential Innovation Fellow “[Ten Years After Katrina: New Orleans’ Recovery, and What Data Had to Do with it](#)”

NASA Mars Climate Orbiter



[source: Wikimedia Commons](#)

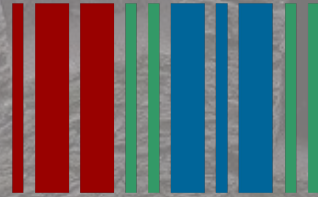
“The problem here was not the error; it was the failure of NASA's systems engineering, and the [checks and balances in our processes, to detect the error.](#) That's why we lost the spacecraft.”

—Edward Weiler, NASA associate administrator for space science, IEEE Spectrum: Why the Mars Probe went off course” [source: Wikipedia](#)

NASA Mars Climate Orbiter

Toward More Effective Data Quality Management

- ★ Many different automated data quality checks
- ★ Many diverse human developers and reviewers
- ★ Contextualizing the data



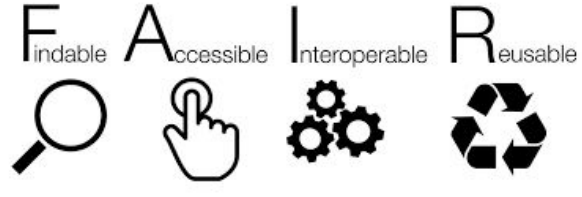
WIKIDATA

*The free knowledge base that
anyone can use and edit.*

Data

Human Knowledge

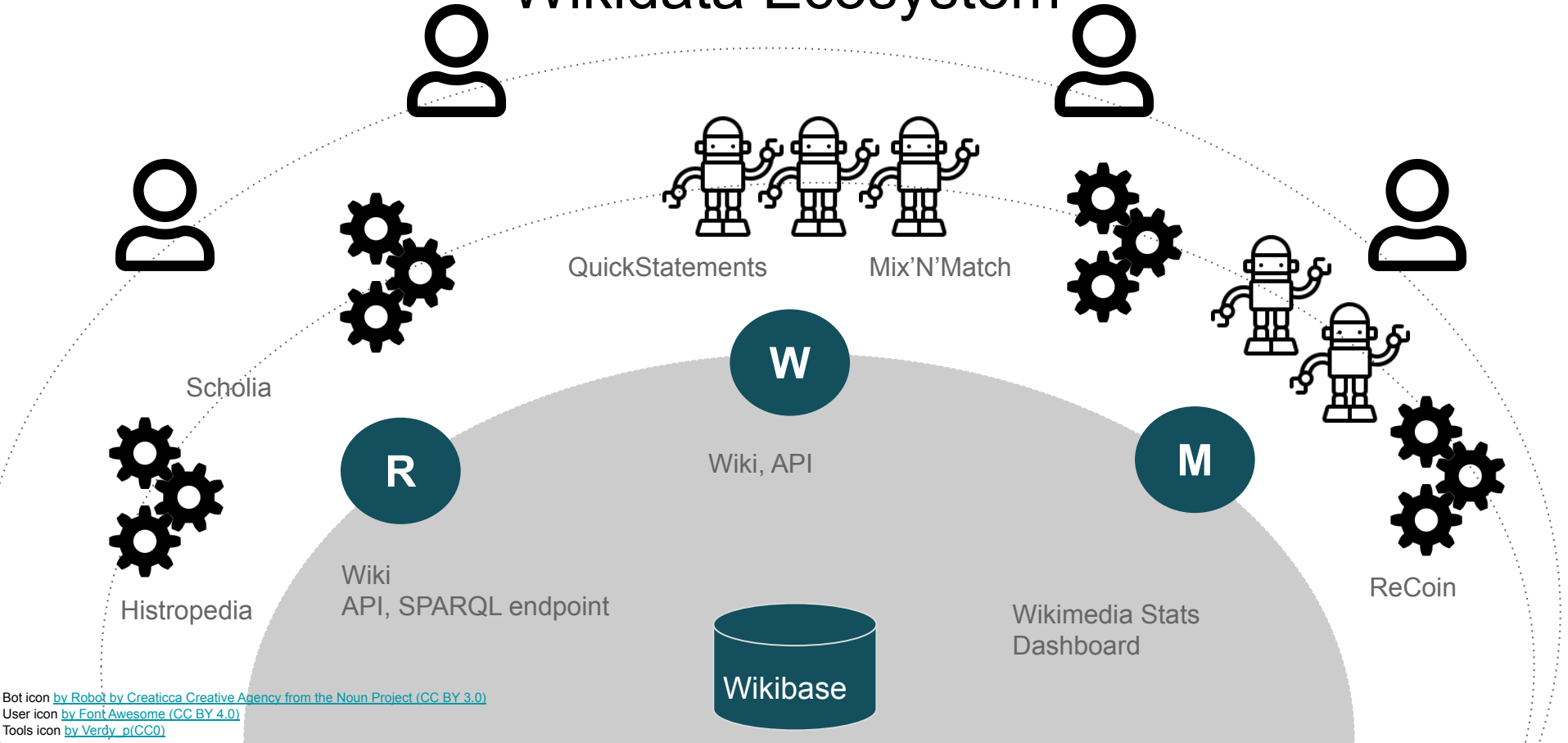
Structured Data



Multilingual

CC0

Wikidata Ecosystem





Item [Discussion](#)

Hurricane Katrina (Q16422)

Item quality: C (3.18)

- Main page
- Community portal
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Atlantic hurricane in 2005

- [Recoin: Most relevant properties which are absent](#)
- [Recoin: Most relevant properties which are absent](#)
- [Most relevant properties which are absent: ID](#)

► In more languages

Language	Label	Description	Also known as
English	Hurricane Katrina	Atlantic hurricane in 2005	
German	Hurrikan Katrina	Tropischer Wirbelsturm mit verheerenden Folgen, 2005	Hurricane Katrina
Spanish	Huracán Katrina	huracán Categoría 5	Huracan Katrina
Basque	Katrina urakana	No description defined	

All entered languages

Statements

instance of category 5 hurricane [edit](#)

determination method Saffir–Simpson hurricane wind scale

→ 0 references [+ add reference](#)

[+ add value](#)

part of 2005 Atlantic hurricane season [edit](#)

→ 0 references [+ add reference](#)

[+ add value](#)

image [edit](#)



Hurricane Katrina August 28 2005 cropped.jpg
5,000 × 5,000; 5.45 MB

→ 1 reference

imported from Wikimedia project Dutch Wikipedia

[+ add reference](#)

Wikipedia (66 entries) [edit](#)

- [af](#) Orkaan Katrina [\[ref\]](#)
- [ar](#) إعصار كاترينا [\[ref\]](#)
- [ast](#) Furacán Katrina [\[ref\]](#)
- [az](#) Katrina qasırğası [\[ref\]](#)
- [bs](#) Uragan Katrina [\[ref\]](#)
- [ca](#) Huracà Katrina [\[ref\]](#)
- [cs](#) Hurikán Katrina [\[ref\]](#)
- [cy](#) Corwynt Katrina [\[ref\]](#)
- [da](#) Orkanen Katrina [\[ref\]](#)
- [de](#) Hurrikan Katrina [\[ref\]](#)
- [el](#) Τυφώνας Katrina [\[ref\]](#)
- [en](#) Hurricane Katrina [\[ref\]](#)
- [eo](#) Uragano Katrina [\[ref\]](#)
- [es](#) Huracán Katrina [\[ref\]](#)
- [et](#) Katrina (orkaan) [\[ref\]](#)
- [eu](#) Katrina urakana [\[ref\]](#)
- [fa](#) توفان کاترینا [\[ref\]](#)
- [fi](#) Hurrikaani Katrina [\[ref\]](#)
- [fo](#) Ódnin Katrina [\[ref\]](#)
- [fr](#) Ouragan Katrina [\[ref\]](#)
- [ga](#) Hairicín Katrina [\[ref\]](#)
- [gl](#) Furacán Katrina [\[ref\]](#)
- [he](#) הוריקן קטרײנא [\[ref\]](#)
- [hi](#) कट्रिन (वज्रघात) [\[ref\]](#)
- [hr](#) Uragan Katrina [\[ref\]](#)
- [hu](#) Katrina hurrikán (2005) [\[ref\]](#)
- [hy](#) Կատրինա (օրկան) [\[ref\]](#)
- [id](#) Badai Katrina [\[ref\]](#)
- [io](#) Uragano Katrina [\[ref\]](#)
- [is](#) Katrina [\[ref\]](#)
- [it](#) Uragano Katrina [\[ref\]](#)
- [ja](#) ハリケーン・カトリーナ [\[ref\]](#)
- [ka](#) კატრინა (ჰურკანო) [\[ref\]](#)
- [kn](#) ಕಟ್ರಿನಾ ಅಲಂಕಾರಮಯ [\[ref\]](#)
- [ko](#) 허리케인 카트리나 [\[ref\]](#)
- [la](#) Procella Katrina [\[ref\]](#)
- [lt](#) Uraganas Katrina [\[ref\]](#)
- [lv](#) Katrina (viesuļvētra) [\[ref\]](#)
- [ml](#) കടലൻ തിരച്ചലി [\[ref\]](#)
- [mn](#) Катрина хар салхи [\[ref\]](#)
- [mr](#) हुरिकेन कट्रिन [\[ref\]](#)
- [ms](#) Taufan Katrina [\[ref\]](#)
- [nl](#) Katrina (orkaan) [\[ref\]](#)
- [nn](#) Orkanen Katrina [\[ref\]](#)
- [no](#) Orkanen Katrina [\[ref\]](#)
- [oc](#) Aurgan Katrina [\[ref\]](#)
- [pi](#) Huragan Katrina [\[ref\]](#)



Item Discussion

Hurricane Katrina (Q16422)

Item quality: C (3.18)



Item Discussion

Hurricane Katrina (Q16422)

Item quality: C (3.18)

Atlantic hurricane in 2005

► Recoin: Most relevant properties which are absent ► Recoin: Most relevant properties which are absent

► Most relevant properties which are absent: ID

▼ In more languages

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Basque	Katrina urakana	No description defined	

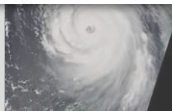
All entered languages

edit

Wikipedia (66 entries) edit

- [af](#) Orkaan Katrina ^[ref]
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- Tools
- What links here
- Related changes
- Special pages
- Permanent link



Hurricane Katrina August 28 2005 cropped.jpg
5,000 x 5,000; 5.45 MB

▼ 1 reference

imported from Wikimedia project Dutch Wikipedia

+ add reference

- [kn](#) ಕ್ಯಾಟರಿನಾ ಅಂಡುರಾಕುಡು ^[ref]
- [ko](#) 허리케인 카트리나 ^[ref]
- [la](#) Procella Katrina ^[ref]
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Atlantic hurricane in 2005

- Reconcil: Most relevant properties which are absent
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► In more languages

Language	Label	Description	Also known as
English	Hurricane Katrina		
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Basque	Katrina		

All entered languages

Statements

instance of

- Special pages
- Permanent link
- Page information
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- Concept URI
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- Suggestor

Browse Primary Sources

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part of

image



Hurricane Katrina August 28 2005 cropped.jpg
5,000 × 5,000; 5.45 MB

◄ 1 reference

imported from Wikimedia project Dutch Wikipedia

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edit

Wikipedia (66 entries) edit

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bs	Uraaan Katrina	[ref]

Statements

instance of



category 5 hurricane

edit

determination method

Saffir–Simpson hurricane wind scale

▼ 0 references

+ add reference

+ add value

part of



2005 Atlantic hurricane season

edit

▼ 0 references

+ add reference

+ add value

la	Procella Katrina	[ref]
lt	Uraganas Katrina	[ref]
lv	Katrina (viesu vētra)	[ref]
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Atlantic hurricane in 2005

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Spanish Basque

All entered language

Statements

instance of

part of

image



Hurricane Katrina August 28 2005 cropped.jpg
5,000 × 5,000; 5.45 MB

1 reference

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af	Orkaan Katrina	[ref]
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ast	Furacán Katrina	[ref]
az	Katrina qasırğası	[ref]
bs	Uragan Katrina	[ref]
ca	Huracà Katrina	[ref]

coordinate location

edit



29°58'0.01"N, 90°3'0.00"W

1 reference

imported from Wikimedia project Catalan Wikipedia

+ add reference

+ add value

Wikibooks (0 entries) edit

Wikinews (1 entry) edit

es Categoría:Huracán Katrina [ref]

Wikiquote (0 entries) edit

Wikisource (0 entries) edit

Wikiversity (0 entries) edit

Wikivoyage (0 entries) edit

it	Uragan Katrina	[ref]
ja	ハリケーン・カトリーナ	[ref]
ka	ჰურკანის (ჰურკანის)	[ref]
kn	ಕಟೀನಾ ಅಲೆಕ್ಸಾಂಡರ್	[ref]
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Atlantic hurricane in 2005

- Recoïn: Most relevant properties which are absent
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Spanish			
Basque			

All entered languages

Statements

instance of

part of the series

North Atlantic tropical cyclone



follows

Tropical Storm

followed by

Tropical Storm

0 references

part of

start time

23 August 2005

edit

1 reference

stated in

International Best Track Archive for Climate Stewardship

+ add reference

+ add value

1 reference

imported from Wikimedia project Dutch Wikipedia

+ add reference

Wikipedia (66 entries)

af	Orkaan Katrina	[ref]
ar	إعصار كاترينا	[ref]
ast	Furacán Katrina	[ref]
az	Katrina qasırğası	[ref]
bs	Uragan Katrina	[ref]
ca	Huracà Katrina	[ref]
cs	Hurikán Katrina	[ref]

ms	Taufan Katrina	[ref]
nl	Katrina (orkaan)	[ref]
nn	Orkanen Katrina	[ref]
no	Orkanen Katrina	[ref]
oc	Auragan Katrina	[ref]
pi	Huragan Katrina	[ref]

Data Plurality as a Design Principle

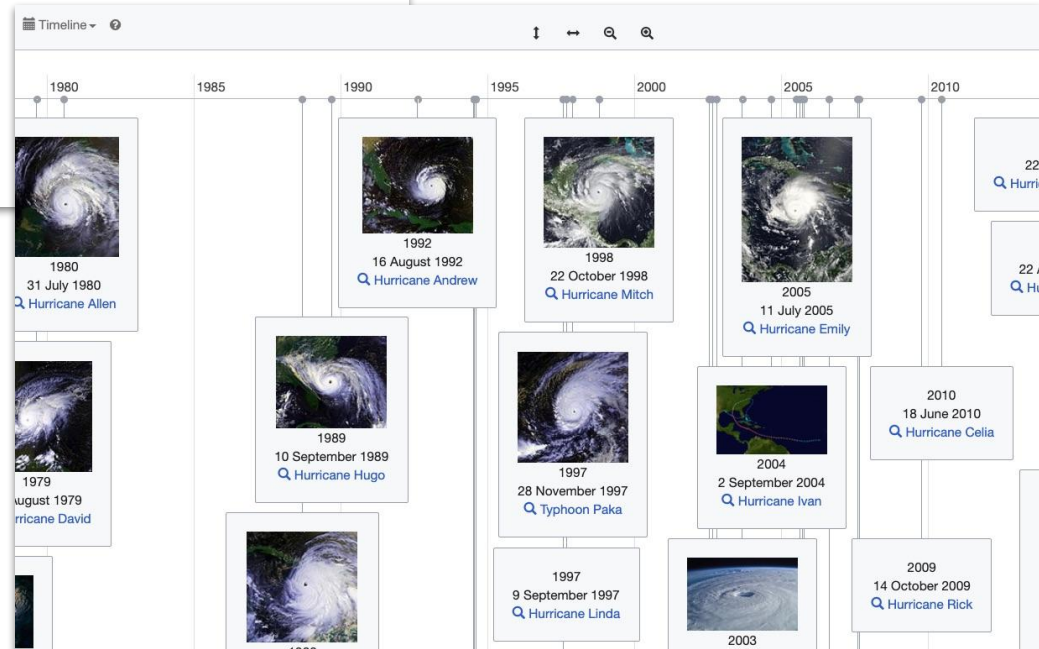
There can be 2 different values for values like the start time (from different sources).



```

1 #defaultView:Timeline
2 SELECT DISTINCT ?item ?itemLabel ?when (YEAR(?when) as ?date) ?pic
3 WHERE {
4
5   ?item wdt:P31 wd:Q63100611 .
6   ?item wdt:P580 ?when .
7
8   SERVICE wikibase:label { bd:serviceParam wikibase:language "en" . }
9   OPTIONAL { ?item wdt:P18 ?pic }
10 }

```



Try it live: <https://w.wiki/Zzu>

Integrated in the Web Dataspace



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Item Discussion

Hurricane Katrina

Item quality: C (3.18)

- Atlantic hurricane in 2005
- Reconcil: Most relevant properties
- Most relevant properties with

- In more languages
- Language Label
- English Hurrican
- German Hurrikat
- Spanish Huracán
- Basque Katrina

All entered languages

Statements

instance of

part of

image

IBTrACS cyclone ID	2005236N23285	
	0 references	+ add reference
		+ add value

Open Library subject ID	hurricane_katrina_2005	
	0 references	+ add reference
		+ add value

Quora topic ID	Hurricane-Katrina-2004	
	0 references	+ add reference
		+ add value

HURDAT identifier	AL122005	
	0 references	+ add reference
		+ add value



Querying to Compare

```
SELECT (COUNT(*) AS ?count)
where{
  ?item wdt:P31 wd:Q4022 . #river
  ?item wdt:P402 ?openstreetmapID
}
```

```
SELECT (COUNT(*) AS ?count)
where{
  ?item wdt:P31 wd:Q4022 . #river
  FILTER NOT EXISTS {?item wdt:P402 ?openstreetmapID}
}
```

```
SELECT (COUNT(*) AS ?count)
where{
  ?item wdt:P31 wd:Q4022 . #river
  FILTER NOT EXISTS {?item wdt:P402 ?openstreetmapID}
  SERVICE <https://sophox.org/sparql>
    { ?openstreetmapE <https://wiki.openstreetmap.org/wiki/Key:wikidata> ?item }
}
```

Querying to Compare

```
SELECT (COUNT(*) AS ?count)
where{
  ?item wdt:P31 wd:Q4022 . #river
  ?item wdt:P402 ?openstreetmapID
}
```

```
SELECT (COUNT(*) AS ?count)
where{
  ?item wdt:P31 wd:Q4022 . #river
  FILTER NOT EXISTS {?item wdt:P402 ?openstreetmapID}
}
```

```
SELECT (COUNT(*) AS ?count)
where{
  ?item wdt:P31 wd:Q4022 . #river
  FILTER NOT EXISTS {?item wdt:P402 ?openstreetmapID}
  SERVICE <https://sophox.org/sparql>
  { ?openstreetmapE <https://wiki.openstreetmap.org/wiki/Key:wikidata> ?item }
}
```

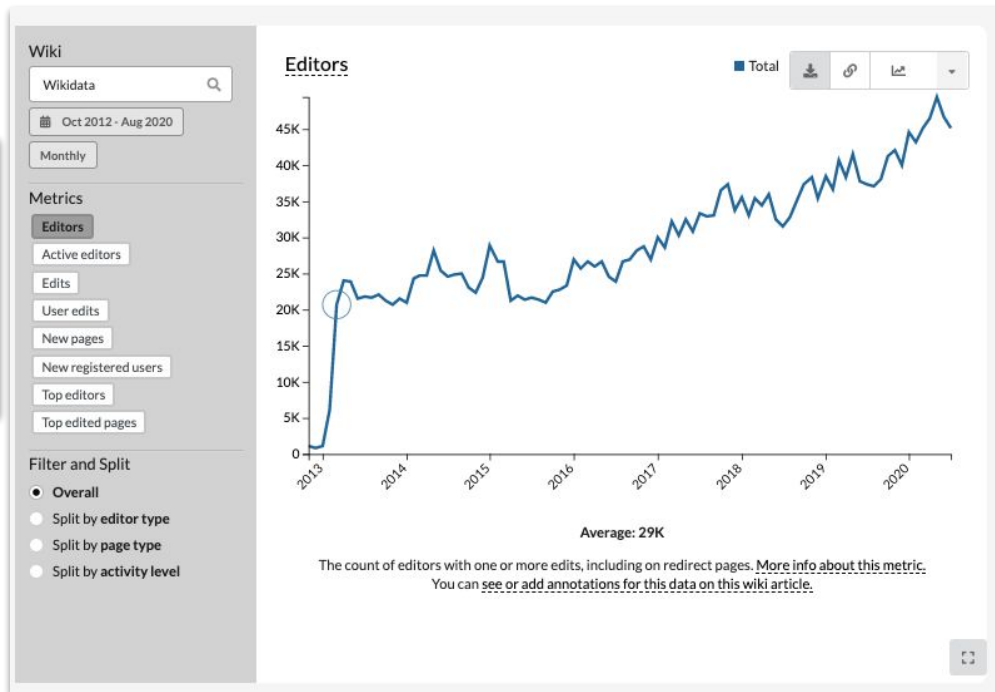
```
service<https://ld.stadt-zuerich.ch/query> {
  ?obser a qb:Observation ;
  b:dataset dataset:BEW-RAUM-ZEIT ;
  measure:BEW ?population ;
  dimension:RAUM ?space ;
  dimension:ZEIT ?time .
  ?space rdfs:label ?spaceLabel.
  FILTER(?space = code:R30000)
  FILTER (YEAR(?time) = ?year)
}
```


Thousands of Active Volunteers



[Photo credit: Pierre-Selim Huard](#)


Editors & Edits



source: <https://stats.wikimedia.org/#/wikidata.org/contributing/editors/normal|line|2012-10-21~2020-08-20|~total|monthly>

Peer-Production

Goal-Oriented Collective Cooperative Action



Wikidata:WikiProject Climate Change

This WikiProject is concerned with the coverage of climate change (Q129328) and related entities, both on Wikidata and across Wikimedia projects.

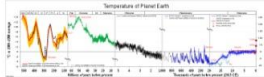
Contents [hide]

- 1 Background
 - 1.1 Climate change
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 - 1.3 Wikidata
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 - 1.5 Events
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 - 2.2 Other items
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 - 5.1.2 Items within scope by type
 - 5.1.3 Timeline of creation of items within scope
 - 5.2 Other queries
 - 5.2.1 Items for which at least one sitelink has a quality badge
 - 5.2.2 Items without a picture but with at least one sitelink that has a quality badge
- 6 Subpages
- 7 Participants
- 8 See also

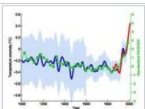
Background [edit | edit source]

Climate change [edit | edit source]

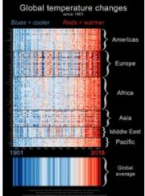
The climate on our planet has always varied over time, but the current period of global warming goes beyond what human civilizations have ever experienced and is driven by our activities, especially greenhouse gas emissions.



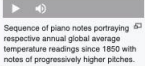
Global temperature variations over the last 500 million years.
Note that horizontal scale changes at the breakpoints.



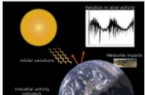
Global temperature variations over the last 1000 years



Comprehensive warming stripes diagram showing temperature variation since 1901 for 196 countries (top) as well as global average temperature (bottom), with blues showing cooler temperature and reds showing warmer temperatures.



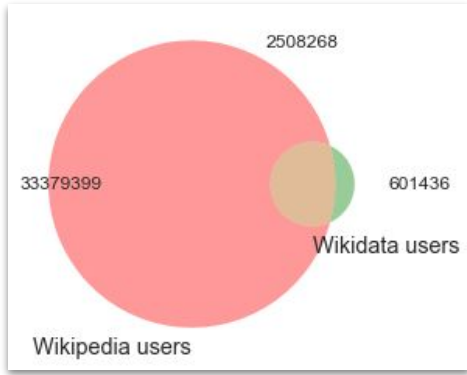
Sequence of piano notes portraying respective annual global average temperature readings since 1850 with notes of progressively higher pitches.



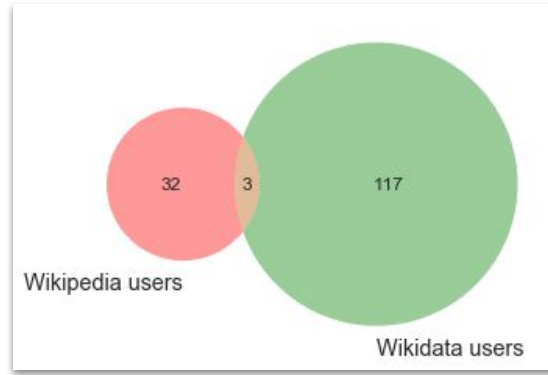
Browse live: https://www.wikidata.org/wiki/Wikidata:WikiProject_Climate_Change

Wikimedia Communities

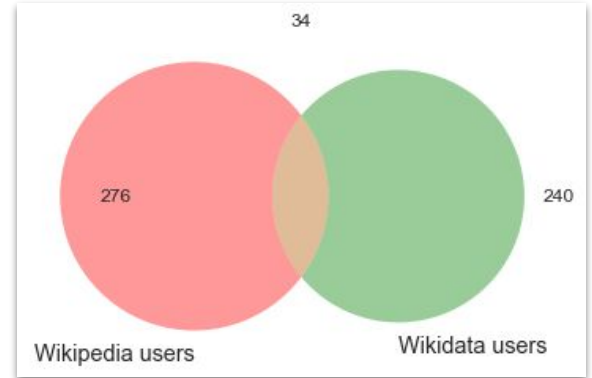
As of April 2019



All Users



Users with more than 1M edits



Bots



Top 1K users
(by volume of edits)

Types of Editors and User Groups



Unregistered



Human Registered




- New Users
- Autoconfirmed Users
- Administrators
- Bureaucrats
- Translation administrators
- Rollbackers
- Flooders
- Stewards
- Ombudsmen



Bots

Transparency, Accountability, Recognition



Item **Discussion** Read View history Search Wikidata

Revision history of "Hurricane Katrina" (Q16422)

Item quality: C (3.18)
View logs for this item (view abuse log)

Filter revisions

Diff selection: Mark the radio boxes of the revisions to compare and hit enter or the button at the bottom.
Legend: **(cur)** = difference with latest revision, **(prev)** = difference with preceding revision, **m** = minor edit.
(latest | earliest) View (newer 50 | older 50) (20 | 50 | 100 | 250 | 500)

Compare selected revisions Edit tags of s

Select: All, None, Invert

- (cur | prev) 02:37, 3 August 2020 **Hoa112008** (talk | contribs) . . (34,524 bytes) (+7) . . (Page moved from [viwiki:Bão Katrina] to [viwiki:Bão Katrina (2005)]) (undo | thank)
- (cur | prev) 10:42, 10 July 2020 **Mkbergman** (talk | contribs) . . (34,517 bytes) (+847) . . (Added reference to claim: *KBpedia ID (P8408): HurricaneKatrina, batch #38360*) (undo | I thank) (Tag: quickstatements [2.0]) (restore)
- (cur | prev) 22:46, 9 July 2020 **Mkbergman** (talk | contribs) . . (33,670 bytes) (+355) . . (Created claim: *KBpedia ID (P8408): HurricaneKatrina, batch #38360*) (undo | I thank) (Tag: quickstatements [2.0]) (restore)
- (cur | prev) 12:42, 8 June 2020 **MatSuBot** (talk | contribs) . . (33,315 bytes) (+86) . . (Changed label, description and/or aliases in wuu: *add missing labels*) (undo) (restore)
- (cur | prev) 01:21, 17 May 2020 **MirrorWuu** (talk | contribs) . . (33,229 bytes) (+109) . . (Added link to [wuuwiki]: *2005年颶風卡特里娜*) (undo | I thank) (restore)
- (cur | prev) 11:02, 11 May 2020 **1Veertje** (talk | contribs) . . (33,120 bytes) (+2) . . (Undo revision 1162789815 by 2601:183:4480:E3E0:6D1A:2888:D0FC:F2C2 (talk)) (undo | I thank) (Tag: Undo) (restore)
- (cur | prev) 18:17, 3 May 2020 **Hugopako** (talk | contribs) . . (33,118 bytes) (-7) . . (Page moved from [viwiki:Bão Katrina (2005)] to [viwiki:Bão Katrina]) (undo | I thank) (restore)
- (cur | prev) 13:07, 3 May 2020 **Wunu** (talk | contribs) . . (33,125 bytes) (+93) . . (Added [zh] description: *2005年出現的一個五級颶風, #suggestededit-translate 1.0*) (undo | I thank) (Tags: Mobile edit, Mobile app edit, Android app edit, Suggested Edits edit) (restore)
- (cur | prev) 15:11, 21 April 2020 **2601:183:4480:e3e0:6d1a:2888:d0fc:f2c2** (talk) . . (33,032 bytes) (-2) . . (Changed English label: *Hurricane panic*) (undo) (restore)
- (cur | prev) 10:11, 20 April 2020 **MatSuBot** (talk | contribs) . . (33,034 bytes) (+65) . . (Changed label, description and/or aliases in is: *add missing labels*) (undo) (restore)
- (cur | prev) 13:49, 13 April 2020 **Bouzinac** (talk | contribs) . . (32,969 bytes) (+739) . . (Added reference to claim: *different from (P1889): Cyclone Catarina (Q18727), (details)*) (undo | I thank) (Tag: reCh [1.1]) (restore)
- (cur | prev) 13:49, 13 April 2020 **Bouzinac** (talk | contribs) . . (32,230 bytes) (+427) . . (Created claim: *different from (P1889): Cyclone Catarina (Q18727), (details)*) (undo | I thank) (Tag: reCh [1.1]) (restore)
- (cur | prev) 12:34, 7 April 2020 **Berserkur** (talk | contribs) . . (31,803 bytes) (+88) . . (Added link to [iswiki]: *Katrina*) (undo | I thank) (restore)
- (cur | prev) 01:12, 22 January 2020 **KrBot** (talk | contribs) . . (31,715 bytes) (-2) . . (Changed qualifier: *followed by (P156): Tropical Storm Lee (Q3089461), разрешение перенаправления / resolving redirect (Q6401123) → Tropical Storm Lee (Q3089461) (подробности / details)*) (undo | I thank) (restore)
- (cur | prev) 18:15, 21 January 2020 **Sleepintheaters** (talk | contribs) . . (31,717 bytes) (+7) . . (Page moved from [ukwiki:Ураган Катріна] to [ukwiki:Ураган Катріна (2005)]) (undo | I thank) (restore)
- (cur | prev) 10:56, 19 December 2019 **193.126.51.63** (talk) . . (31,710 bytes) (0) . . (Changed Spanish description: *huracán Categoría 5*) (undo) (restore)
- (cur | prev) 10:56, 19 December 2019 **193.126.51.63** (talk) . . (31,710 bytes) (-11) . . (Changed Portuguese description: *luracão de categoria 5 em 2005*) (undo) (restore)
- (cur | prev) 14:52, 18 December 2019 **165.155.138.4** (talk) . . (31,721 bytes) (+3) . . (Changed claim: *image (P18): Hurricane Katrina August 28 2005 cropped.jpg*) (undo) (Tag: new editor changing statement) (restore)
- (cur | prev) 09:53, 20 November 2019 **84.38.12.15** (talk) . . (31,718 bytes) (0) . . (Changed claim: *Quora topic ID (P3417): Hurricane-Katrina-2004*) (undo) (Tag: new editor changing statement) (restore)
- (cur | prev) 23:06, 17 November 2019 **MisterSunray** (talk | contribs) . . (31,718 bytes) (-131) . . (Removed claim: *subclass of (Q23025965): #quickstatements: #temporal: batch #37420984842*) (undo | I thank) (Tag: QuickStatements [1.6]) (restore)

source: <https://www.wikidata.org/w/index.php?title=Q16422&action=history>

Transparency, Accountability, Recognition

WIKIDATA

Item [Discussion](#) Read [Labels list](#) [View history](#) ☆ [Mo](#)

Hurricane Katrina (Q16422)

Item quality: C (3.18)

Atlantic hurricane in 2005 [edit](#)


- Most relevant properties which are absent: ID
- Reconc: Most relevant properties which are absent Reconc: Most relevant properties which are absent

[↖](#) In more languages

Language	Label	Description	Also known as	
English	Hurricane Katrina	Atlantic hurricane in 2005 by Sumone10154 and 24.190.251.38 and 216.56.38.72 and Mubinnil and 80.6.88.162 and Ricordisamia and 217.23.237.197 and HakanIST and 198.109.255.2 and Shinnin and 2601:198:448:E3E:8D1A:2888:DF0C:F2C2 and V1werg	Atlantic hurricane in 2005 by Sumone10154 and Hurricanefan24 and 24.190.251.38 and The Anonymous and Sodemouse9 and Hephlogoy	
German	Hurrikan Katrina by Mathias	Tropischer Wirbelsturm mit verheerenden Folgen, 2005 by Mathias	Hurricane Katrina by Reclus	
Spanish	Huracán Katrina by LadyInGrey and 88.10.57.47 and Montgomery	huracán Categoría 5 by LadyInGrey and Alexis Chavez Mejia and 2806:1016:4:D433:DCC:F007:26DF:73C0 and 188.128.51.83	Huracan Katrina by Emilypbot	
Basque	Katrina urakana by Añawebot	No description defined		

All entered languages

Statements

instance of	category 5 hurricane	edit
by AmataIvarez	determination method	Saffir–Simpson hurricane wind scale
	– 0 references	+ add reference
		+ add value
part of	2005 Atlantic hurricane season	edit
by S.K. and 210.55.200.167 and Deabot	– 0 references	+ add reference
		+ add value
image		edit
by BotMuschlIT and 165.155.138.4		

Wikipedia (66 entries)

af	Orkaan Katrina	by Mathias
ar	إعصار كاترينا	by Mathias
ast	Furacán Katrina	by Emau8bot
az	Katrina qasırğası	by Mathias
bs	Uragan Katrina	by Mathias
ca	Huracà Katrina	by Mathias
cs	Hurikán Katrina	by Mathias
cy	Corwynt Katrina	by Mathias
da	Orkanen Katrina	by Mathias and Chuboty
de	Hurrikan Katrina	by Mathias
el	Τυφώνας Κατρίνα	by Mathias
en	Hurricane Katrina	by Mathias
eo	Uragano Katrina	by Mathias
es	Huracán Katrina	by Mathias
et	Katrina (orkaan)	by Mathias
eu	Katrina urakana	by Addbot and Edgars2007
fa	توفان کاترینا	by Mathias and Mehdiabasi and HAD1
fi	Hurrikaani Katrina	by Mathias
fo	Óðrin Katrina	by Mathias
fr	Ouragan Katrina	by Mathias
ga	Háircín Katrina	by Mathias
gl	Furacán Katrina	by Mathias
he	הוריקן קטרנה	by Mathias
hi	कैटरीन (हुरकान)	by Mathias and Tgreen em8
hr	Uragan Katrina	by Mathias
hu	Katrina hurrikán (2005)	by Mathias and Burumbátor
hy	հայրկան (կատրինա)	by Voskanyan
id	Badal Katrina	by Mathias
io	Uragano Katrina	by Mathias
is	Katrina	by Berserkur
it	Uragano Katrina	by Mathias
ja	ハリケーン・カトリーナ	by Mathias
ka	კატრინა (ჰურკანი)	by Mathias
kn	ಕೆಟರಿನಾ ಸ್ಟೋರ್ಮ್	by Mathias
ko	허리케인 카트리나	by Jondel
la	Procella Katrina	by Mathias
lt	Uraganas Katrina	by Mathias
lv	Katrina (vēsturains)	by Mathias and Edgars2007
ml	കാട്രിന ഹുറകാനി	by Mathias
mn	Katrinaa xap цахис	by Mathias
mr	कैटरीन हुरकान	by Mathias
ms	Taufan Katrina	by Mathias
nl	Katrina (orkaan)	by Mathias
nn	Orkanen Katrina	by Mathias
no	Orkanen Katrina	by Mathias

see also: https://www.wikidata.org/wiki/Wikidata:Tools/Enhance_user_interface

Transparency, Accountability, Recognition


The image shows a screenshot of the Wikidata interface. On the left, the 'Revision history of "Hurricane"' page is visible, showing a list of revisions with columns for user, time, and size. The 'Top editors' table is the central focus, displaying a list of users and their edit counts for the last month. The table is filtered for 'Last Month' and shows the following data:

Edits	Name
4,378,788	SuccuBot
3,427,151	Edoderoobot
1,568,251	MsynBot
892,689	GZWDer (flood)
859,602	Hogu-456
732,289	UzumeSylv
636,431	Scidudebot
536,690	Wiki13
514,508	MrIbrahembot
339,919	Simon Villeneuve
283,163	LogainnBot
258,836	KrBot
257,958	MatSubot
199,267	Epidosis
192,719	Plibot
186,088	Daniel Mletchen
176,417	HitomiAkane
169,952	OsamaK
166,475	Edoderoo
156,208	LargeDatasetBot

At the bottom of the table, there is a 'Load more rows...' button. The interface also includes a search bar, navigation tabs, and various filters for the revision history and top editors.

source: <https://stats.wikimedia.org/#/wikidata.org/contributing/top-editors/normal|table|last-month|~total|monthly>

Deliberation: schema curation



Project page Discussion

Read Edit Edit source View history More

Search Wikidata

Wikidata:Property proposal/disputed by

< Wikidata:Property proposal

disputed By [edit | edit source]

Originally proposed at Wikidata:Property proposal/Organization

Done: item disputed by (P7378) (Talk and documentation)

Description	the concept described by the item is criticized by other item(s)
Data type	Item
Domain	item
Example 1	capitalism (Q6206) disputed by Marxism (Q7264)
Example 2	cognitivism (Q23382) disputed by embodied cognition (Q1335050)
Example 3	Oralism (Q1411862) disputed by Edward Miner Gallaudet (Q1293026)
Planned use	Can be used for modeling academic or political discourses or disputes.
See also	statement disputed by (P1310) ← Similar, but for statements. approved by (P790) ← Similar to an opposite. However, the examples at least are focused on institutions formally endorsing or classifying things.

Motivation [edit | edit source]

I would like to model how academic and political fields related to each other. Many ideas come from opposition towards a (then-dominant) paradigm. I also consider it as important for covering relevant knowledge. E.g. One of the most important properties of the idea known as "Marxism" can be seen as that it is an explicit criticism of another idea, "capitalism". "Free Software" is an alternative and opposition to software with proprietary licensing etc. Without such information, the practical, political or historical relevance of the topics is hard to understand. -- Simulo (talk) 14:23, 29 September 2019 (UTC)

Note: Feel free to suggest a different name, if you think it does not match the intended use or if it clashes with other properties. I e.g. considered "argues against" and "criticizes", too. Simulo (talk) 16:27, 29 September 2019 (UTC)

Discussion [edit | edit source]

I never suggested a property before, so there might be missing info in the template (was unsure about the "domain") or misinterpretations of the appropriate procedure. -- Simulo (talk) 14:29, 29 September 2019 (UTC)

- 👍 **Support** David (talk) 15:20, 29 September 2019 (UTC)
- 👍 **Support**, why not. Nomen ad hoc (talk) 18:00, 29 September 2019 (UTC).
- 🗨️ **Comment** We might want to think up a better label, to avoid confusion with the existing property statement disputed by (P1310). ArthurPSmith (talk) 18:16, 30 September 2019 (UTC)
- 🗨️ **Comment** Perhaps one with "opposed" instead of the harsher "disputed". "item opposed by" or "topic opposed by" or more narrow and to the point "concept opposed by" ? Thadguidry (talk) 18:50, 30 September 2019 (UTC)
 - "concept opposed by" sounds good to me. Or even "concept disputed by". It should be clear this is for situations where *opposite* of (P461) isn't appropriate - i.e. the two items are not equivalent in some general sense while being opposites. ArthurPSmith (talk) 17:17, 1 October 2019 (UTC)
 - +1. It's important to have clear labels. --Yair rand (talk) 18:53, 6 October 2019 (UTC)
- 🗨️ **Comment** What about *opposite* of (P461) ? Amadalvarez (talk) 17:14, 1 October 2019 (UTC)
- 👍 **Support** we need more properties to model politics. --GPSLeo (talk) 18:00, 1 October 2019 (UTC)
- @Simulo, 2 دقيق عادل وحيه خليل, Nomen ad hoc, ArthurPSmith, Thadguidry, Yair rand: @Amadalvarez, GPSLeo: ✓ **Done**, see item disputed by (P7378). I used "item disputed by" to avoid ambiguity with statement disputed by (P1310) --DannyS712 (talk) 20:09, 6 October 2019 (UTC)

Deliberation: Requests for Comments

The people who did their work on vandalism detection in Wikidata have it easier in academia when they can cite a definition of quality standards.

Nothing in this article prevents you from having a discussion about direct ways to improve Wikidata's usefulness for Wikipedia. But that's not the discussion about the definition of data quality, it's likely to be had elsewhere.

There are many ways to interact with Wikidata. Live and let live.

If you want to improve Wikipedia integration it might make more sense to focus your energies on the practical project of https://www.wikidata.org/wiki/Wikidata:List_generation_input# ChristianKI (talk) 22:44, 31 August 2016 (UTC)

Academic work does not need to have direct practical implications, but – I believe – it should always take them into account and aim at concrete effects on things. I would not even find it totally correct to ask the Wikidata community to discuss this draft, if I did not think that it could be one day adopted (even partially) by Wikidata or at least be directly beneficial to it. So yes, it will be good if the outcome of this work will be published, it will be better if it will bring someone to donate to Wikidata, and it will be even better if quality measures will be developed and then used, based on this framework. And by the way, no, I do not get any Wikimedia grant :) --Alessandro Piscopo (talk) 23:39, 2 September 2016 (UTC)

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

Hi Alessandro, thanks for the RIC and your valiant participation in the discussion.

Many of the contributions to the discussion point to specific implementations that can help by finding errors easier - such as constraints on data values, or consistency rules. I think those are very important in order to keep control of the data set - but in the end, they are merely a proxy to measuring quality. They do not really capture your quality measures, such as 'accuracy' and 'completeness', etc.

While these suggestions and implementations are very important, I would be extremely happy to see you stay focused on the quality dimensions you mention. Your definitions look sane and good. Personally, I would weight these dimensions - e.g. have accuracy very high, consistency rather low, etc. - but your selection looks already quite complete, and I am not sure I would drop anything, besides on the completeness dimension.

For schema completeness, I would argue that since Wikidata does not have a standard class system, maybe we should focus on the properties only.

For item completeness, I would argue that focusing on just the classes and see whether they have all relevant properties is insufficient. My suggestion would be to compare to the Wikipedia article and see whether the most important information about a given item that is mentioned in the article is actually covered.

For population completeness, again I would argue against relying solely on classes.

All of the three subdimensions of completeness I would actually consider maybe complementing or partially replacing with query completeness. Given relevant queries, can we express these queries and do we get all results we are expecting. This would cover your subdimensions, and is also motivated by Wikidata's arguably most important role, to support the Wikimedia projects. Query results are planned to be available for integration and exposure in the other Wikimedia projects at some point (the legendary Phase 3 of the Wikidata project), and such a query completeness would directly capture how realistic such a goal is.

I am looking forward to see your suggestions on how to operationalize these quality dimensions and the concrete metrics and measurements you will suggest. I hope this helps, and again, thank you! --Denny (talk) 17:47, 1 September 2016 (UTC)

Hi Denny, thanks for your suggestions! The completeness dimension is indeed that one that gave me more doubts (not that the others did not), due to its strong connection with the task at hand, which in my opinion requires to answer the question "What is Wikidata for?"

I agree that query completeness is a good approach; the authors of COOL-WD have already explored it, I would like to have a more careful look at it and think about how it can be improved.

I will start elaborating the metrics in the next days, taking into account the discussions had on this page. As soon as I will devise the most appropriate metrics for the dimensions chosen, I will again update the community again on our findings.

Thanks, --Alessandro Piscopo (talk) 23:26, 2 September 2016 (UTC)

Thanks, that sounds good! --Denny (talk) 15:02, 6 September 2016 (UTC)

Completeness heuristic by comparing to Wikipedia internal links graphs [\[edit | edit source \]](#)

Thanks to the Wikipedia articles / Items mapping, we could compare the graphs generated by the internal links in wikipeidias and the wikidata graph. For example, I expect that for a complete item, almost every articles linked in a language version of wikipedia (or the union of all versions) be very close - say, one or two statements away - of the items used in the corresponding Wikidata item or that uses it. Maybe a very simple proportion of such items that uses the item we want to know is complete union all the items used by it compared to the items of the sitelinks of the corresponding article could be a good heuristic to evaluate the completeness of an item wrt. Wikipedia. author TomTom / talk page 13:29, 7 September 2016 (UTC)

Hi TomTom, yours is a good idea, I would be curious to try it, in order to understand how feasible it is (e.g. I think that using a union of all version may be challenging) and the insights that it would give. My doubt is whether it would shed some light on the degree on interlinking of entities in the two projects, rather than providing information about completeness. Thanks, --Alessandro Piscopo (talk) 13:05, 13 September 2016 (UTC)

Wikidata:Living people [\[edit | edit source \]](#)

I will not support any proposal that does not include provisions for the protection of information regarding living people. Wikipedias will be less likely to trust us without such a provision.--Jasper Deng (talk) 00:11, 28 October 2016 (UTC)

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

1. T. Lukyanenko, R., Parsons, J., & Wiersma, Y. F. (2014). The IQ of the crowd: understanding and improving information quality in structured user-generated content. *Information Systems Research*, 25(4), 669-689.

source: https://www.wikidata.org/wiki/Wikidata:Requests_for_comment/Data_quality_framework_for_Wikidata

Deliberation: Requests for Permissions

82% of bot RfPs were approved (323).

Most frequent reasons to reject RfPs: “non-reactive operators, withdrawn and duplicated requests, no community consensus”.

[Farda-Sarbas et al., 2019]

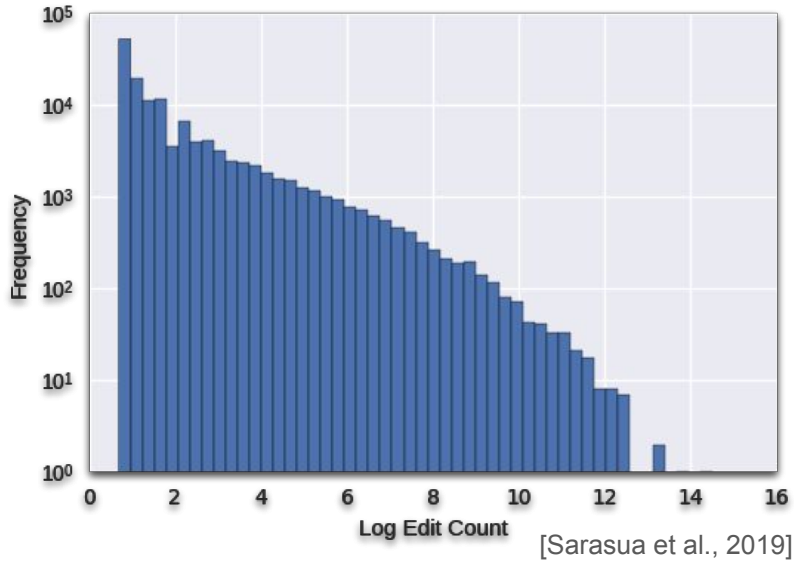
see also: https://www.wikidata.org/wiki/Wikidata:Requests_for_permissions

Human-Machine Cooperation

“A balanced contribution of bots and human editors positively influence outcome quality, whereas higher numbers of anonymous edits may hinder performance.”

[Piscopo et al., 2018]

Challenges



“2% of anonymous unregistered human user edits overall are from bots”, but also “3% of registered human users edits overall.”

[Hall and Halfaker., 2018]

Addressing Participation Inequalities

Governance

Wikibase: Using the Infrastructure

- MediaWiki
- Data Model
- SPARQL endpoint
- QuickStatements to import data

[Registry](#) of online Wikibases



Wikibase installation video by Andra Waagmeester

Questions?

Cristina Sarasua <sarasua@ifi.uzh.ch> Daniel Mietchen <dm7gn@virginia.edu>



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Zurich^{UZH}



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[Image by Addshore, CC0](#)