WIKIDATA IN BRIEF

Claim: Item – Property – Value

Item   Q number
Property   P number

item	property	value
Marie Curie	field of work	chemistry
Q7186	P101	Q2329

Wikidata item basics

Label, description, aliases – human friendly language-specific strings

Statements – includes identifiers, sitelinks at bottom of an item

Qualifiers – adds details to claims (ie. dates, distinctions, etc)

Copyright - all content in Wikidata is Creative Commons CC0 (public domain)

Critical concepts
Help:Basic membership properties
Instance (P31) vs subclass (P279)

Help:Sources
Adding references, use
"stated in" or "reference URL"

Displaying items
Reasonator and SQID – rich visual display of Wikidata items

Wikidata Graph Builder – show connectedness of items based on properties

Querying
Query.wikidata.org – SPARQL interface. Explore example queries and display options. CTRL-Space auto-expands item and property names to Q/P numbers.

VizQuery – simple query using rules without requiring coding

Simple editing tools
Distributed Game – contribute through Yes/No/Skip micro-decisions

Mix-n-Match – connect external identifiers to Wikidata items

Bulk editing
Quickstatements – use tab-delimited claims to edit

PetScan – powerful toolbox for Wikipedia categories and Wikidata

OpenRefine – open source tool for cleaning messy data, reconciliation

Data donation - how and why to contribute, and guidelines for institutions

Other tools
TABernacle – inspect and edit Wikidata interactively in table format

Google Spreadsheet Wikipedia Tools – query Wikipedia and Wikidata from spreadsheet cells

External tools – comprehensive list of all Wikidata tools

WikiBase – open source software extension to MediaWiki that runs Wikidata. Available as a Docker container to create a custom structured data repository

Community and news
Wikidata:Project chat – discussion forum

Wikidata:Status updates – weekly summary newsletter

label

Item identifier (QID)

Marie Curie (Q7186)

French-Polish physicist and chemist
Maria Salomea Skłodowska | Maria Skłodowska-Curie

description

aliases

Statements

award received	Nobel Prize in Chemistry	✎ edit
	point in time	1911
		+ add reference
		+ add

statement group

property   value   qualifier

WIKIDATA

Use ✎ edit and +add to modify

WIKIDATA Query Service in Brief

Triple statement:

?subject ?property ?object .

Important prefixes

item	property	variable
wd:	wdt:	?
wd:Q7186	wdt:P101	?item

Property's statement	Statement's object prop.	Statement's qualifier
p:	ps:	pq:
p:P101	ps:P101	pq:P101

Query helper

Write the query

Choose a language

Wikidata Query   Examples   Help   Tools   文A English

```
1 SELECT ?item WHERE {
2 ?item wdt:P31 wd:huma
3 SERVICE wikibase:           se:language "[
4 }
5 LIMIT 200
```

human (Q5) common name of
Homo sapiens (Q978631),
unique extant species of the
genus Homo
human settlement (Q486972)
community of any size,
which people live
Mbarara Airport (Q65282
airport
Homo sapiens (Q15978631)
species of mammal
Homo (Q6788009) undefined
Fūma (Q26229820) Japanese
family name (風間)

Examples

*Press **ctrl + space** while typing to get search suggestions, esp. after prefixes*

Share a link

Run the query

WIKIDATA

Version 1.0 (March 2018) of Wikidata Query Service in brief by Alex Stinson (User:Astinson/ User:Sadads) licensed under CC-BY-SA 4.0
astinson@wikimedia.org

Digital version:
bit.ly/wikidata-onepage

Important functions

SELECT -- calls variables to be displayed

DISTINCT -- after SELECT, removes duplicate rows

WHERE { …. } -- contains the query criteria

#defaultview: - selects a default view for results

Inside WHERE { …. }
OPTIONAL { …. } -- contains optional statements that can be empty in the results

MINUS { …. } -- removes content that meets a criteria

FILTER (….) -- uses logic to filter results

SERVICE wikibase:label { bd:serviceParam wikibase:language "[AUTO_LANGUAGE], en". }
          -- calls a label service activated with camelcase variables (i.e **SELECT** ?itemLabel)

After WHERE { …. }
LIMIT -- provides a maximum number of results

ORDER BY - selects variable(s) by which to order results

Important symbols

. - terminates a triple
          Example: ?item wdt:P31 wd:Q5 **.**

; - ties several properties to a subject.
          Example: ?item wdt:P31 wd:Q5 **;**
                              wdt:P106 wd:Q42973 **.**

/ - joins two properties
     Example:
          ?item wdt:P31 wd:Q5 **.**
          ?item wdt:P106**/**wdt:P279 wd:Q42973.

* - recursively extends last property
     Example:
          ?item wdt:P31 wd:Q5 **.**
          ?item wdt:P106/wdt:P279***** wd:Q42973.

- comments out subsequent text
     Example:
          ?item wdt:P31 wd:Q5 **.** #instance of human

Tools using queries

PetScan – powerful toolbox for creating lists based on categories and Wikidata

WDFIST -- tool for freely licensed images for Wikidata items

Histropedia - Timeline building tool

ListeriaBot - generates on-wiki lists based on queries uses local versions of Template:Wikidata list and Template:Wikidata list end

Finding help

Wikidata:Request a query - on-wiki request forum

@Wikidatafacts – twitter account supported by a volunteer who can help create queries