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

Marie Curie (O7186)

Statements

award received

property

French-Polish physicist and chemist

value

Maria Salomea Skłodowska I Maria Skłodowska-Curie

Nobel Prize in Chemistry

point in time

qualifier

<u>Label, description, aliases</u> – human friendly language-specific strings

<u>Statements</u> – includes identifiers, sitelinks at bottom of an item

<u>Qualifiers</u> – adds details to claims (ie. dates, distinctions, etc)

<u>Copyright</u> - all content in Wikidata is Creative Commons CC0 (public domain)

Item identifier

(QID)

description

@ edit

+ add

+ add reference

1911

Critical concepts

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

Help:Sources

Adding references, use "stated in" or "reference URL"

Displaying items

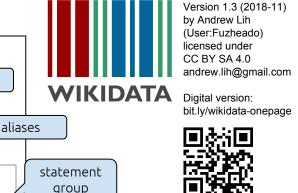
<u>Reasonator</u> and <u>SQID</u> – rich visual display of Wikidata items

<u>Wikidata Graph Builder</u> – show connectedness of items based on properties

Querying

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

<u>VizQuery</u> – simple query using rules without requiring coding



Use //edit and +add to modify

Simple editing tools

<u>Distributed Game</u> – contribute through Yes/No/Skip micro-decisions

<u>Mix-n-Match</u> – connect external identifiers to Wikidata items

Bulk editing

<u>Quickstatements</u> – use tab-delimited claims to edit

<u>PetScan</u> – powerful toolbox for Wikipedia categories and Wikidata

<u>OpenRefine</u> – open source tool for cleaning messy data, reconciliation

<u>Data donation</u> - how and why to contribute, and guidelines for institutions

Other tools

<u>TABernacle</u> – inspect and edit Wikidata interactively in table format

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

<u>External tools</u> – comprehensive list of all Wikidata tools

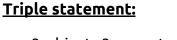
<u>WikiBase</u> – open source software extension to MediaWiki that runs Wikidata. Available as a Docker container to create a custom structured data repository

Community and news

<u>Wikidata:Project chat</u> – discussion forum

<u>Wikidata:Status updates</u> – weekly summary newsletter

https://query.wikidata.org/ More documentation on Wikidata



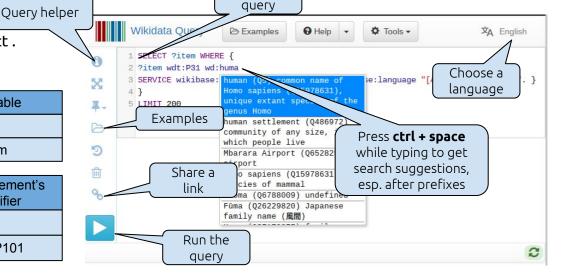
?subject ?property ?object.

WIKIDATA Query Service in Brief

<u>Important prefixes</u>

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

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





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 $\{ \dots \}$ -- contains the query criteria

#defaultview: - selects a default view for results

Inside WHERE { }

OPTIONAL $\{ \dots \}$ -- 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.

Write the

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

<u>PetScan</u> – powerful toolbox for creating lists based on categories and Wikidata

<u>WDFIST</u> -- tool for freely licensed images for Wikidata items

Histropedia - Timeline building tool

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

Finding help

<u>Wikidata:Request a query</u> - on-wiki request forum

<u>@Wikidatafacts</u> – twitter account supported by a volunteer who can help create queries