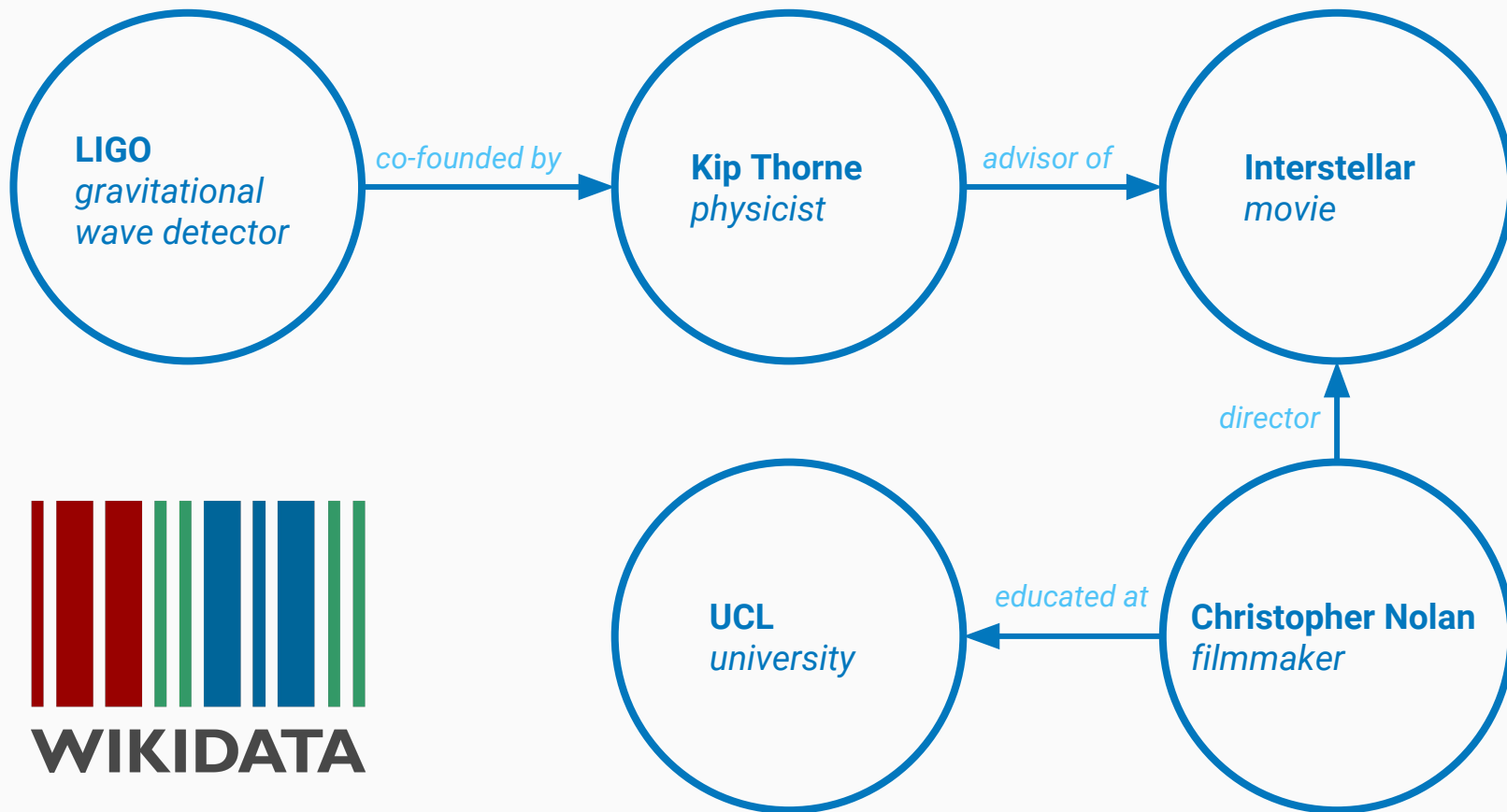


# Introduction to Wikidata

by Mira Vogel and Raya Sharbain





# Where to find Wikidata

→ (Almost) all Wikipedia articles have a Wikidata item associated to them.

→ Left hand-side column, under “Tools”.



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## Jeremy Bentham

From Wikipedia, the free encyclopedia

**Jeremy Bentham** (/ˈbɛnθəm/; 15 February 1748 [O.S. 4 February 1747]<sup>[1]</sup> – 6 June 1832) was an English [philosopher](#), [jurist](#), and [social reformer](#). He is regarded as the founder of modern [utilitarianism](#).

Bentham defined as the "fundamental axiom" of his philosophy the principle that "it is the greatest happiness of the greatest number that is the measure of right and wrong".<sup>[2][3]</sup> He became a leading theorist in Anglo-American [philosophy of law](#), and a political radical whose ideas influenced the development of [welfarism](#). He advocated [individual](#) and [economic freedom](#), the [separation of church and state](#), [freedom of expression](#), equal rights for women, the right to divorce, and the decriminalising of homosexual acts.<sup>[4]</sup> He called for the [abolition of slavery](#), the abolition of the [death penalty](#), and the abolition of [physical punishment](#), including that of children.<sup>[5]</sup> He has also become known in recent years as an early advocate of [animal rights](#).<sup>[6]</sup> Though strongly in favour of the extension of [individual legal rights](#), he opposed the idea of [natural law](#) and [natural rights](#), calling them "nonsense upon stilts".<sup>[7]</sup>

Bentham's students included his secretary and collaborator [James Mill](#), the latter's son, [John Stuart Mill](#), the legal philosopher [John Austin](#), as well as [Robert Owen](#), one of the founders of [utopian socialism](#).

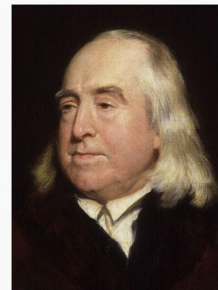
On his death in 1832, Bentham left instructions for his body to be first dissected, and then to be permanently preserved as an "auto-icon" (or self-image), which would be his memorial. This was done, and the auto-icon is now on public display at [University College London](#). Because of his arguments in favour of the general availability of education, he has been described as the "spiritual founder" of UCL, although he played only a limited direct part in its foundation.<sup>[8]</sup>

### Contents [hide]

- Life
- Death and the auto-icon
- Work
  - Utilitarianism
  - Economics
  - Law reform
  - Animal rights
  - Gender and sexuality
  - Privacy
- Bentham and University College London
- Bibliography
  - Publications
  - Posthumous publications
    - Bowring (1838–43)
    - Stark (1952–54)
    - Bentham Project (1968–present)
- Legacy
- See also
- Notes
- References
- External links

Wikidata item  
for Jeremy  
Bentham

### Jeremy Bentham



**Born** 15 February 1748  
London, England

**Died** 6 June 1832 (aged 84)  
London, England

**Era** 18th century philosophy  
19th century philosophy

**School** Utilitarianism, legal positivism,  
liberalism

**Main interests** Political philosophy, philosophy of  
law, ethics, economics

**Notable ideas** Greatest happiness principle

**Influences** [show]

**Influenced** [show]

#### Signature

### Life [edit]

Bentham was born in [Houndsditch](#), London, to a wealthy family that supported the [Tory](#) party. He was reportedly a child prodigy: he was found as a toddler sitting at his

# What is Wikidata?

→ Wikidata is a **knowledge base**.

→ **Structured data** for Wikipedia  
(and sister projects).

→ Readable by humans, but  
more importantly **machines**.

→ Anyone can **edit** Wikidata,  
even machines.

→ Main page: [wikidata.org](https://wikidata.org)



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অসমীয়া  
Asturianu  
Aaap  
Aymar aru  
Azərbaycanca  
تۆرکجه  
Башҡортса  
Boarisch  
Žemaitėška  
Bikol Central  
Беларуская  
Беларуская  
(тарашкевіца)  
Български  
بھارت

Main Page

Discussion

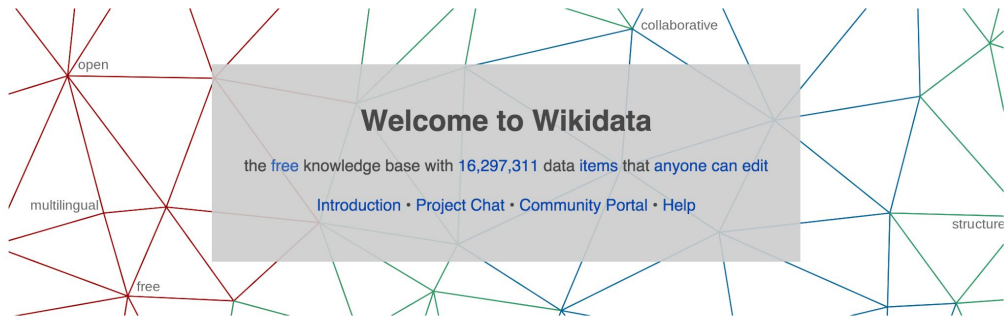
Read

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View history

Search

Q



## Welcome!

Wikidata is a free, linked database that can be read and edited by both humans and machines.

Wikidata acts as central storage for the **structured data** of its Wikimedia sister projects including Wikipedia, Wikivoyage, Wikisource, and others.

Wikidata also provides support to many other sites and services beyond just Wikimedia projects! The content of Wikidata is available under a free license, exported using standard formats, and can be interlinked to other open data sets on the linked data web.

## Get involved

### Explore the project:

- Learn all about Wikidata and how it works
- Check out a showcase item for author Douglas Adams
- Browse the Frequently Asked Questions
- Understand how to navigate the site
- Test out the software at the Wikidata sandbox
- Find help and relevant documentation

### Start contributing:

- Find out how you can contribute
- Take an interactive tutorial and make your first edits
- Improve a random item
- Organize or attend an event

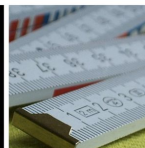
### Go behind the scenes:

## Learn about data

New to the wonderful world of data? Develop and improve your data literacy through content designed to get you up to speed and feeling comfortable with the fundamentals in no time.



item: *Earth* (Q2)



property: *highest point* (P610)



custom value: *Mount Everest* (Q513)

## Discover

Innovative applications and contributions from the Wikidata community

### Featured WikiProject:

WikiProject Names.

"What's in a name?" asked Shakespeare's Juliet.

The answer: a lot of rich data in need of structure and new properties. But thanks to growing user contributions and the work of a [new WikiProject](#), Wikidata is getting better at supporting name-related data—and can tell you that *Juliet* also goes by *Julika*, and *Giulia*, and *Hülya*, and *Liana*, and *Uljana*...

Item [Discussion](#)

Read

[View history](#)



# Simone de Beauvoir (Q7197) ← Identifier, starts with “Q”

French writer, intellectual, existentialist philosopher, political activist, feminist, and social theorist

[edit](#)

Simone-Lucie-Ernestine-Marie Bertrand de Beauvoir | Simone De Beauvoir | Castor | Ximengna de Bofuwa | Simona de Bovuar | Hsi-meng Po-wa | Ximengna De Bofuwa | Shimōnu do Bōwōwāru | Sīmūn Dū Būfwār | S. de Beauvoir ← Short description

► [In more languages](#)

## Statements

SUDOC authorities

026713144 [↗](#)

[edit](#)

▼ 0 references

+ [add reference](#)

+ [add](#)

sex or gender



female

← Value

[edit](#)

← Invitation to edit!

► 4 references

← References

+ [add](#)

place of burial



Montparnasse Cemetery

[edit](#)

↑  
Property

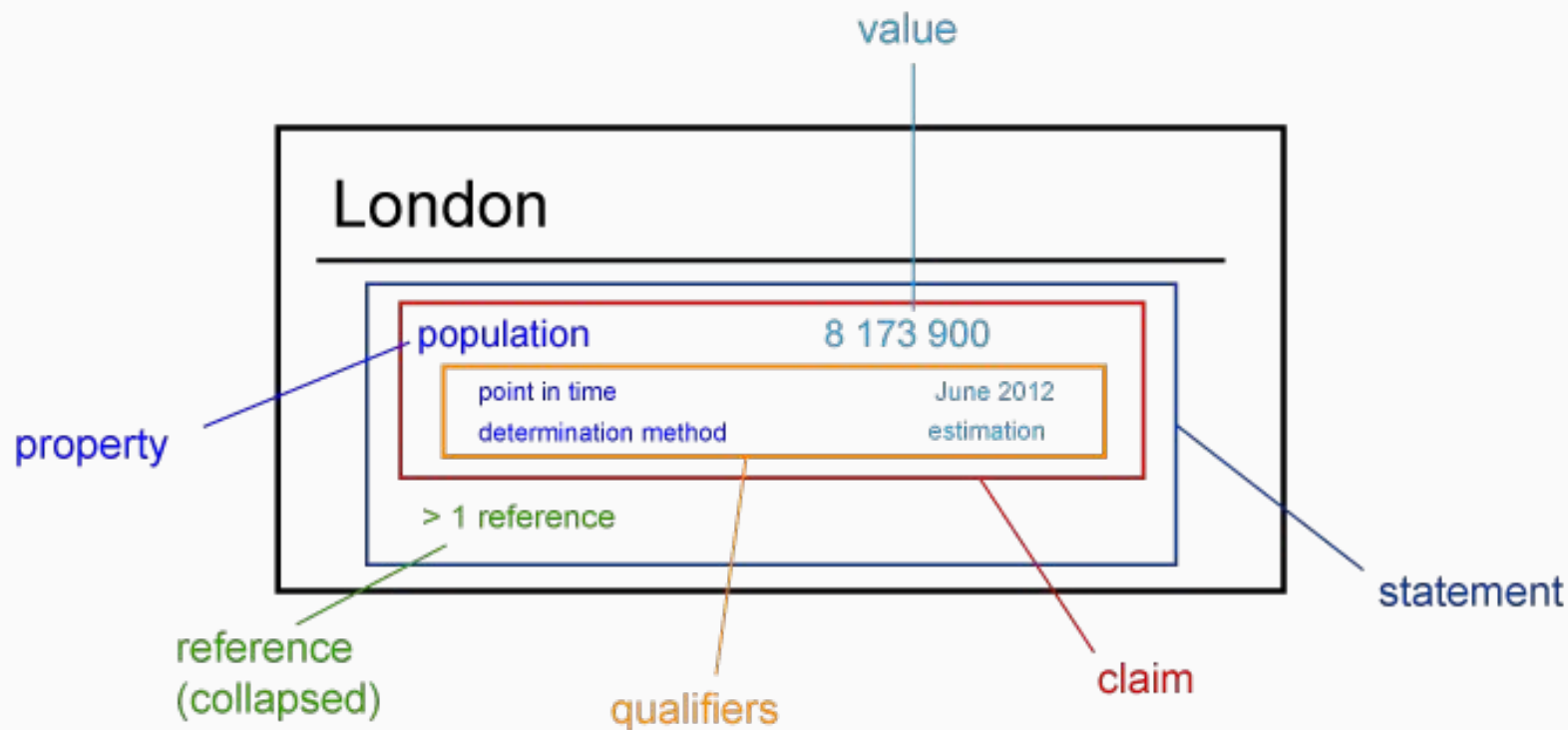
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Item [Discussion](#)

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# Jesus Christ (Q302)

central figure of Christianity

 [edit](#)

Jesus of Nazareth | Christ | Yeshua | Yehoshua | The Messiah | God the Son | Son of God | Jesus

[► In more languages](#)

## Statements

father



Saint Joseph

 [edit](#)

[▼ 0 references](#)

[+ add reference](#)



God the Father

 [edit](#)

[▼ 0 references](#)

[+ add reference](#)

[+ add](#)

# Why Wikidata matters

Google's Knowledge Graph, data derived from:

- CIA World Factbook
- Wikipedia
- Freebase

Freebase is shutting down, and dumping all its data to **Wikidata**!

Important for SEO as well.



## Kip Thorne

Physicist

Kip Stephen Thorne, is an American theoretical physicist, known for his contributions in gravitational physics and astrophysics. [Wikipedia](#)

**Born:** June 1, 1940 (age 75), [Logan, Utah, United States](#)

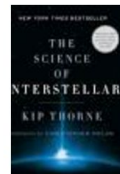
**Education:** [Princeton University](#) (1965), [California Institute of Technology](#) (1962)

**Spouse:** [Carolee Joyce Winstein](#) (m. 1984), [Linda Jean Peterson](#) (m. 1960–1977)

**Children:** [Kares Anne](#), [Bret Carter](#)

**Parents:** [D. Wynne Thorne](#), [Alison Thorne](#)

### Books



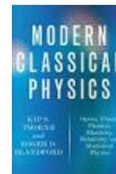
The Science of Interstellar  
2014



Black Holes and Time Warps...  
1994



Gravitation  
1973



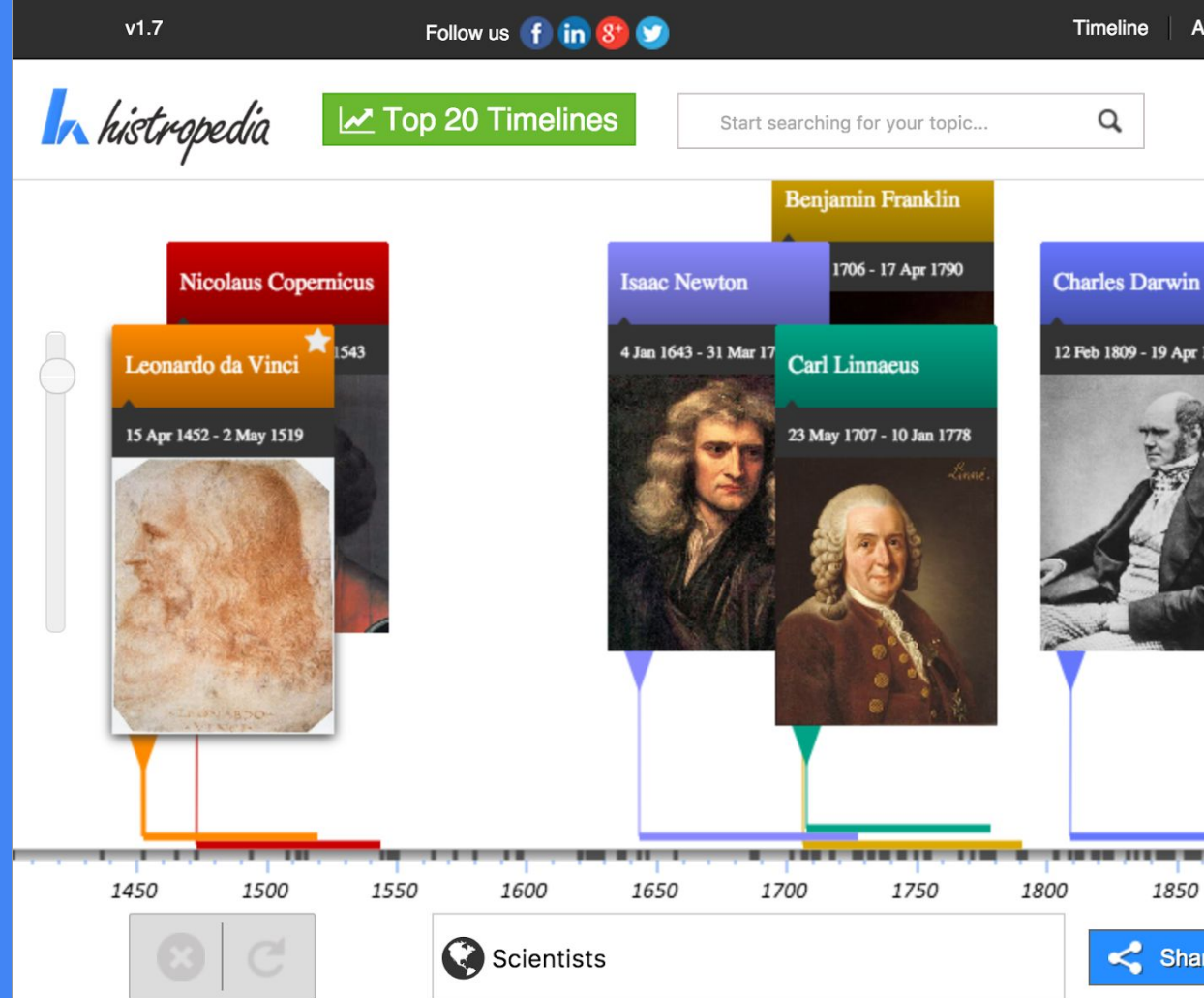
Modern Classical Physics...  
2016



# Use Case: Histropedia

Visual history timelines, powered  
by Wikidata.

Try it out:  
<http://histropedia.com/>



# Use Case: ProteinBot

Aim = provide Wikidata with up-to-date high quality information about **genes, diseases, and drugs**.

Derived from authoritative sources.

Could power **biomedical applications**!



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Special page

## User contributions

For ProteinBoxBot (talk | block log | uploads | logs | filter log)

Search for contributions

☐ Show contributions of new accounts only

☒ IP address or username: ProteinBoxBot

Namespace: all  ☐ Invert selection ☐ Associated namespace

Tag filter:

☐ Only show edits that are latest revisions ☐ Only show edits that are page creations

From year (and earlier): 2016 From month (and earlier): all  Search

(latest | earliest) View (newer 50 | older 50) (20 | 50 | 100 | 250 | 500)

- 13:54, 12 February 2016 (diff | hist) . . (0) . . G protein-coupled receptor 160 (Q18265121) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . Probable G-protein coupled receptor 160 (Q21984865) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . thioredoxin-like 4A (Q18255954) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . Thioredoxin-like protein 4A (Q21992521) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (+219) . . sperm associated antigen 11A (Q18269092) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . Sperm-associated antigen 11 (Q21989536) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . olfactory receptor 688 (Q18300749) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . Olfactory receptor 688 (Q21441195) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . autophagy related 2B (Q18041548) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . Autophagy-related protein 2 homolog B (Q21097585) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . ropporin 1-like (Q18299529) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . Ropporin-1-like protein (Q21988018) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . armadillo repeat containing 3 (Q18264509) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . Armadillo repeat-containing protein 3 (Q21499045) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . oxysterol binding protein-like 9 (Q18271192) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . Oxysterol-binding protein-related protein 9 (Q21980052) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . Olfactory receptor 8 (Q21442740) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . olfactory receptor 8 (Q18252830) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . patatin-like phospholipase domain containing 8 (Q18262541) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . Calcium-independent phospholipase A2-gamma (Q21988928) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . sirtuin 7 (Q18296122) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . NAD-dependent protein deacetylase sirtuin-7 (Q21988571) *(Updated item)* **(current)**
- 13:54, 12 February 2016 (diff | hist) . . (0) . . potassium voltage-gated channel, shaker-related, subfamily, member 6 (Q18251778) *(Updated item)* **(current)**
- 13:53, 12 February 2016 (diff | hist) . . (0) . . Potassium voltage-gated channel subfamily A member 6 (Q21496565) *(Updated item)* **(current)**
- 13:53, 12 February 2016 (diff | hist) . . (0) . . RNA binding protein gene with multiple splicing (Q18253688) *(Updated item)* **(current)**
- 13:53, 12 February 2016 (diff | hist) . . (0) . . RNA-binding protein with multiple splicing (Q21990539) *(Updated item)* **(current)**
- 13:53, 12 February 2016 (diff | hist) . . (0) . . aspartyl-tRNA synthetase (Q18297410) *(Updated item)* **(current)**
- 13:53, 12 February 2016 (diff | hist) . . (0) . . Aspartate-tRNA ligase, cytoplasmic (Q21991757) *(Updated item)* **(current)**
- 13:53, 12 February 2016 (diff | hist) . . (0) . . histone cluster 1, H2bh (Q18032845) *(Updated item)* **(current)**
- 13:53, 12 February 2016 (diff | hist) . . (0) . . Histone H2B type 1-H (Q21110988) *(Updated item)* **(current)**

# Wikidata Games

Edit Wikidata through games!

Play here:

<https://tools.wmflabs.org/wikidata-game/>

## Wikidata Game

### Not logged into WiDaR

To play these games, you have to use WiDaR!

Log in [here](#), then click [here](#) or reload this page.



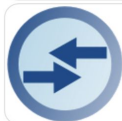
### Wikidata - The game!

Here, you can find a set of "games" that help to improve [Wikidata](#), one statement at a time.



### Random game

A random game, from the list below, is selected each time.  
Makes for more variety.



### Merge items

Some topics have duplicate items on Wikidata. Two items with the same title or alias will be suggested to you.  
Merge identical topics, tag items as different, or skip an item pair if you are not sure. Please be very careful!



### Person

Many items about people on Wikidata have no "instance of" property.  
Decide if one of them is a [human](#), or skip the item if you are not sure.



### Gender

Many items about people on Wikidata have no [gender property](#) set.  
Add a sex/gender statement "male" or "female", or skip the item if you are not sure.



### Occupation

These people have no [occupation](#), but their articles suggest some.



### Alma mater

These people have no [alma mater](#), but their articles suggest some.

# Querying Wikidata

Example: rock bands that start with “M”.

Have a go:

<https://query.wikidata.org/>

Prefixes ▾Tools ▾Help ▾Examples
















Wikidata Query ServiceBeta

```
1 PREFIX wd: <http://www.wikidata.org/entity/>
2 PREFIX wdt: <http://www.wikidata.org/prop/direct/>
3 PREFIX wikibase: <http://wikiba.se/ontology#>
4 PREFIX p: <http://www.wikidata.org/prop/>
5 PREFIX v: <http://www.wikidata.org/prop/statement/>
6 PREFIX q: <http://www.wikidata.org/prop/qualifier/>
7 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
8
9 SELECT ?band ?bandLabel
10 WHERE
11 {
12   ?band wdt:P31 wd:Q5741069 .
13   FILTER(STRSTARTS(?bandLabel, 'M')) .
14   SERVICE wikibase:label {
15     bd:serviceParam wikibase:language "en,fr,de,he,el,fi,no,ja," .
16     ?band rdfs:label ?bandLabel .
17   }
18 }
```

Press [CTRL-SPACE] to activate auto completion. Data last updated: 10:33:38 AM GMT, Feb 12, 2016

▶ ExecuteClear86 Resultsin 860 ms

Download ▾Link ▾

band	bandLabel
wd:Q15920 	Metallica
wd:Q19697 	Motörhead
wd:Q22151 	Muse
wd:Q48284 	Midnight Oil
wd:Q249257 	Michael Learns to Rock
wd:Q269006 	Melys
wd:Q285190 	Molly Hatchet
wd:Q289126 	Miss May I
wd:Q425772 	Ministry
wd:Q466342 	Mystic Prophecy
wd:Q483285 	My Chemical Romance
wd:Q486688 	Mötley Crüe
wd:Q498460 	My Dying Bride
wd:Q674305 	Make-Up
wd:Q686915 	Mr. Children

# How is it useful in Education:

- New research resource/method
- Teach Semantic Web, Natural Language Processing
- Build apps/tools/systems/software powered by Wikidata!

# Thank you!

You can view the presentation here: <https://goo.gl/X9lclq>

