

Wikidata

the free and open knowledge base

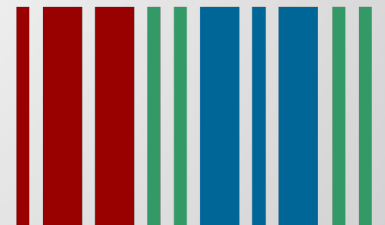
Wikiconference USA 2014
New York

Katie Filbert - @filbertkm

<http://filbertkm.github.io/slides>



WIKIMEDIA
DEUTSCHLAND



WIKIDATA



What is Wikidata?

- repository of the world's knowledge
- database anyone can read and edit
- multi-lingual
- free and open source software

16,000,000+ Items

35,000,000+ Statements

Example item

www.wikidata.org/wiki/Q60

New York City



Item [Discussion](#)

New York City ^(Q60)

[\[edit\]](#)

largest city in New York & United States of America

[\[edit\]](#)

Also known as: NYC New York City of New York New York, New York The Big Apple Gotham New Amsterdam [\[edit\]](#)

[In other languages](#) | [Statements](#) | [Wikipedia pages linked to this item](#) | [Wikiquote pages linked to this item](#) | [Wikisource pages linked to this item](#) | [Wikivoyage pages linked to this item](#) | [Wikimedia Commons page linked to this item](#)

In other languages

Deutsch	New York City	[edit]
	Metropole an der Ostküste der Vereinigten Staaten	[edit]
فارسی	نیویورک	[edit]
	شهر نیویورک در ایالات متحده	[edit]
العربية	مدينة نیو یورك	[edit]
	<input type="text" value="enter description in العربية"/>	[save cancel] ?

Statements

topic's main portal	☰ Portal:New York City	[edit]
	▼ 0 references	[add reference]
		[add]

- Main page
- Community portal
- Project chat
- Create a new item
- Item by title
- Recent changes
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- Help
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Tools

- What links here
- Related changes
- Special pages
- Printable version
- Permanent link
- Page information
- Cite this page



Item [Discussion](#)

ID (Q60)

New York City (Q60)

[\[edit\]](#)

largest city in New York & United States of America

[\[edit\]](#)

Also known as:

[\[edit\]](#)

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In other languages

Deutsch	New York City	[edit]
	Metropole an der Ostküste der Vereinigten Staaten	[edit]
فارسی	نیویورک	[edit]
	شهر نیویورک در ایالات متحده	[edit]
العربية	مدينة نيويورك	[edit]
	<input type="text" value="enter description in العربية"/>	[save cancel]

Statements

topic's main portal	 Portal:New York City	[edit]
	 0 references	[add reference]
		[add]

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Item [Discussion](#)

LABEL

New York City (Q60) [\[edit\]](#)

largest city in New York & United States of America [\[edit\]](#)

Also known as: [\[edit\]](#)

[In other languages](#) | [Statements](#) | [Wikipedia pages linked to this item](#) | [Wikiquote pages linked to this item](#) | [Wikisource pages linked to this item](#) | [Wikivoyage pages linked to this item](#) | [Wikimedia Commons page linked to this item](#)

In other languages

Deutsch	New York City [edit]
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فارسی	نیویورک [edit]
	شهر نیویورک در ایالات متحده [edit]
العربية	مدينة نيويورك [edit]
	<input type="text" value="enter description in العربية"/> [save cancel]

Statements

topic's main portal	Portal:New York City [edit]
	▼ 0 references
	[add reference]
	[add]

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 - Page information
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Item [Discussion](#)

New York City ^(Q60) [edit]

largest city in New York & United States of America [edit]

Also known as: NYC New York City of New York New York, New York The Big Apple [edit]
Gotham New Amsterdam

[In other languages](#) | [Statements](#) | [Wikipedia pages linked to this item](#) | [Wikiquote pages linked to this item](#) | [Wikisource pages linked to this item](#) | [Wikivoyage pages linked to this item](#) | [Wikimedia Commons page linked to this item](#)

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فارسی	نیویورک [edit]
	شهر نیویورک در ایالات متحده [edit]
العربية	مدينة نیو یورك [edit]
	<input type="text" value="enter description in العربية"/> [save cancel] ?

Statements

topic's main portal	☰ Portal:New York City [edit]
	▼ 0 references [add reference]
	[add]

- [Main page](#)
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Item [Discussion](#)

New York City ^(Q60)

ALIASES

largest city in New York & United States of America

Also known as:

[In other languages](#) | [Statements](#) | [Wikipedia pages linked to this item](#) | [Wikiquote pages linked to this item](#) | [Wikisource pages linked to this item](#) | [Wikivoyage pages linked to this item](#) | [Wikimedia Commons page linked to this item](#)

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Deutsch	New York City	[edit]
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فارسی	نیویورک	[edit]
	شهر نیویورک در ایالات متحده	[edit]
العربية	مدينة نیو یورك	[edit]
	<input type="text" value="enter description in العربية"/>	[save cancel]

Statements

topic's main portal	Portal:New York City	[edit]
	▼ 0 references	[add reference]
		[add]

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In other languages

LABELS and DESCRIPTIONS in other languages

Deutsch	New York City	[edit]
	Metropole an der Ostküste der Vereinigten Staaten	[edit]
فارسی	نیویورک	[edit]
	شهر نیویورک در ایالات متحده	[edit]
العربية	مدينة نیو یورك	[edit]
	<input type="text" value="enter description in العربية"/>	[save cancel] ?

Statements

topic's main portal	☰ ☱ Portal:New York City	[edit]
	▼ 0 references	[add reference]
		[add]

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New York City (Q60)

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In other languages Statements Wikivoyage pages linked to this item

In other languages


Deutsch	New York
فارسی	شهر نیویورک در ایالات متحده
العربية	مدينة نيو يورك

enter description in العربية [save | cancel] ?

Statements

topic's main portal	Portal:New York City [edit]
	0 references [add reference]
	[add]
ISNI (ISO 27729)	0000 0001 2196 6726 [edit]

Select language



Language search

Common languages

Deutsch	hrvatski	Plattdüütsch	Ελληνικά
English	italiano	polski	русский
español	Kurdî	Ripoarisch	العربية
Gaeilge	Nederlands	Türkçe	فارسی

Worldwide

English	Lingua Franca Nova
español	lojban

[edit]

Language selector

Statements

head of government

STATEMENTS

<input type="checkbox"/>	<input type="checkbox"/>	Bill de Blasio	[edit]
		start date	1 January 2014
		▼ 0 references	[add reference]
<hr/>			
<input type="checkbox"/>	<input type="checkbox"/>	Michael Bloomberg	[edit]
		start date	1 January 2002
		end date	31 December 2013
		▼ 0 references	[add reference]
<hr/>			
<input type="checkbox"/>	<input type="checkbox"/>	Rudy Giuliani	[edit]
		start date	1 January 1994
		end date	31 December 2001
		▼ 0 references	[add reference]
<hr/>			
<input type="checkbox"/>	<input type="checkbox"/>	David Dinkins	[edit]
		start date	1 January 1990
		end date	31 December 1993
		▼ 0 references	[add reference]

Statements

head of government

PROPERTY

Bill de Blasio [\[edit\]](#)

start date 1 January 2014

▼ 0 references [\[add reference\]](#)

Michael Bloomberg [\[edit\]](#)

start date 1 January 2002

end date 31 December 2013

▼ 0 references [\[add reference\]](#)

Rudy Giuliani [\[edit\]](#)

start date 1 January 1994

end date 31 December 2001

▼ 0 references [\[add reference\]](#)

David Dinkins [\[edit\]](#)

start date 1 January 1990

end date 31 December 1993

▼ 0 references [\[add reference\]](#)

Properties

- **Generic** - authority control (identifiers), media, dates, coordinates, ...
- **Person** - date of birth, death, occupation, relationship, ...
- **Organization** - companies, airlines, sports clubs, military, ...
- **Events** - generic, elections
- **Works** - generic, arts & architecture, literature, music, film, ...
- **Terms** - biology, languages, ships, spacecraft, medicine, ...
- **Place** - general, country, road, railway, buildings, water, astronomy, ...
- **Others** - sources, other

https://www.wikidata.org/wiki/Wikidata:List_of_properties

https://www.wikidata.org/wiki/Wikidata:Property_proposal

https://www.wikidata.org/wiki/Wikidata:Infoboxes_task_force

All available DataTypes

Datatypes are used in claims to represent data

- Item
- Commons media
- String
- Time
- Globe coordinate
- URL
- Quantity

See wikidata.org/wiki/Special:ListDatatypes

Statements

head of government

Bill de Blasio [\[edit\]](#)

start date 1 January 2014

▼ 0 references

DATA VALUE (wikibase-item) [\[add reference\]](#)

Michael Bloomberg [\[edit\]](#)

start date 1 January 2002

end date 31 December 2013

▼ 0 references

[\[add reference\]](#)

Rudy Giuliani [\[edit\]](#)

start date 1 January 1994

end date 31 December 2001

▼ 0 references

[\[add reference\]](#)

David Dinkins [\[edit\]](#)

start date 1 January 1990

end date 31 December 1993

▼ 0 references

[\[add reference\]](#)

Statements

head of government

Bill de Blasio [\[edit\]](#)

start date 1 January 2014

▼ 0 references

[\[add reference\]](#)

Michael Bloomberg **QUALIFIERS** [\[edit\]](#)

start date 1 January 2002

end date 31 December 2013

▼ 0 references

[\[add reference\]](#)

Rudy Giuliani [\[edit\]](#)

start date 1 January 1994

end date 31 December 2001

▼ 0 references

[\[add reference\]](#)

David Dinkins [\[edit\]](#)

start date 1 January 1990

end date 31 December 1993

▼ 0 references

[\[add reference\]](#)

Statements

head of government

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Bill de Blasio"/>	<input type="text" value=""/>	[save remove cancel] ?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Preferred rank"/>	<input type="text" value="1 January 2014"/>	[remove]
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Normal rank"/>		[add qualifier]
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Deprecated rank"/>		[add reference]

RANK

Michael Bloomberg [\[edit \]](#)

start date 1 January 2002

end date 31 December 2013

▼ 1 reference

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		[edit]
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	title	The Bloomberg Era Begins
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	publisher	The New York Times
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	date of publication	2 January 2002
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	reference URL	http://www.nytimes.com/2002/01/02/opinion/the-bloomberg-era-begins.html ↗

[\[add reference \]](#)

Statements

head of government

Bill de Blasio [\[edit\]](#)

start date 1 January 2014

▼ 0 references

[\[add reference\]](#)

Michael Bloomberg [\[edit\]](#)

start date 1 January 2002

end date 31 December 2013

▼ 1 reference

REFERENCE

[\[edit\]](#)

title The Bloomberg Era Begins

publisher The New York Times

date of publication 2 January 2002

reference URL <http://www.nytimes.com/2002/01/02/opinion/the-bloomberg-era-begins.html> [↗](#)

[\[add reference\]](#)

Rudy Giuliani [\[edit\]](#)

start date 1 January 1994

Wikipedia pages linked to this item (192 entries)

SITE LINKS

Language	Code	Linked page	
Afrikaans	afwiki	New York Stad	[edit]
Alemannisch	alswiki	New York City	[edit]
አማርኛ	amwiki	ኒው ዮርክ ከተማ	[edit]
Ænglisc	angwiki	Nīweoforwīcburg	[edit]
aragonés	anwiki	Nueva York	[edit]
ᱠᱷᱚᱨ	arcwiki	(ᱠᱷᱚᱨ) ᱦᱚᱱᱚᱛ ᱦᱚᱱᱚᱛ	[edit]
العربية	arwiki	نيويورك (مدينة)	[edit]
مصرى	arwiki	نيويورك	[edit]
asturianu	astwiki	Nueva York	[edit]
অসমীয়া	aswiki	নিউয়র্ক মহানগৰ	[edit]
Aymar aru	aywiki	New York	[edit]
azərbaycanca	azwiki	Nyu York	[edit]
Boarisch	barwiki	New York City	[edit]
žemaitėška	bat_smgwiki	Niojuorks	[edit]
башҡортса	bawiki	Нью-Йорк	[edit]
Bikol Central	bclwiki	Nueva York	[edit]
беларуская (тарашкевіца)	be_x_oldwiki	Нью-Ёрк	[edit]
беларуская	bewiki	Горад Нью-Ёрк	[edit]
български	bgwiki	Ню Йорк	[edit]

Data used on Wikipedia

and Wikimedia sister projects (e.g. Wikivoyage)

- Language links
- Property parser function
 - {{#property:P17}} or {{#property:country}}
- Lua

Interstate 805

From Wikipedia, the free encyclopedia


Route map: [Google](#) / [Bing](#)

Interstate 805 (I-805) is a major north–south [Interstate Highway](#) in [Southern California](#). It is a [bypass](#) of [I-5](#), running along the eastern areas of the [Greater San Diego region](#) from [San Ysidro](#) (part of the city of [San Diego](#)) near the [Mexico–U.S. border](#) to near [Del Mar](#). The southern terminus of I-805 at I-5 in San Ysidro is less than a mile north of the Mexican border. I-805 then traverses through the cities of [Chula Vista](#) and [National City](#) before reentering San Diego. The freeway passes though the San Diego neighborhoods of [North Park](#), [Mission Valley](#), [Clairemont](#), and [University City](#) before terminating at I-5 in the [Sorrento Valley](#) neighborhood near the Del Mar city limit.

Planning for I-805 began in 1956, and the route was officially designated in 1959 before it was renumbered in the [1964 state highway renumbering](#). Starting in 1967, the freeway was built in phases, with the northern part of the freeway finished before the southern part. I-805 was completed and open to traffic in 1975. Named the **Jacob Dekema Freeway** after the longtime head of the regional division of the [California Department of Transportation](#) (Caltrans), I-805 has been frequently cited for its complex engineering and architecture, including near I-8 on the **Mission Valley Viaduct**. Since then, several construction projects have taken place, including the construction of local and express lanes at the northern interchange with I-5. [High-occupancy toll](#) lanes are under construction on both the northern and southern portions of the route.


Contents [\[hide\]](#)

- 1 [Route description](#)
- 2 [History](#)
 - 2.1 [Construction](#)
 - 2.2 [Recognition, artwork, and architecture](#)
 - 2.3 [Expansion](#)
- 3 [Exit list](#)
- 4 [References](#)
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Interstate 805

Jacob Dekema Freeway



I-805 highlighted in red

Route information

Auxiliary route of I-5

Defined by [C&HG § 621](#)

Maintained by [Caltrans](#)

Length: 28.016 mi^[2] (45.087 km)

Existed: 1959^[1] – present

Major junctions

MAP IMAGE

Module:Infobox road/map

From Wikipedia, the free encyclopedia

< [Module:Infobox road](#)

Module documentation [\[create\]](#)

You might want to [create](#) a documentation page for this *Scribunto* module.

Editors can experiment in this module's *sandbox* ([create](#) | [mirror](#)) and *testcases* ([create](#)) pages.

Please add categories to the */doc* subpage. *Subpages of this module*.

```
local p = {}

local mapsizes = {["DEU"] = "200", ["USA"] = "290x172"}

function p.map(frame)
    local pframe = frame:getParent()
    local config = frame.args -- the arguments passed BY the template, in the wikitext of
    local args = pframe.args -- the arguments passed TO the template, in the wikitext tha

    local map_custom = args.map_custom or ''
    local map = args.map or ''
    if map_custom == "yes" then
        return '<span style="white-space:nowrap;">' .. map .. '</span>'
    end
    if map == '' then
        local entity = mw.wikibase.getEntity() or {}
        local claims = entity.claims or {}
        local mapProp = claims.p15
        if not mapProp then
            return ""
        end
        map = mapProp[0].mainsnak.datavalue.value
    end
    local filecode = "[[File:" .. map .. "|"
```

What's next?

- data access on Wikiquote
- interproject (sister project) links
- monolingual and multilingual data type
- json dumps
- easier to use Lua for infoboxes

almost ready

What's next?

- improved entity suggestor
- simple queries on Wikidata
- badges (e.g. featured article, good article)
- item redirects

working on these, nearing completion

What's next?

- UI redesign
- support for more sister projects (e.g. wikinews)
- quantities with units
- guided tours

medium-term

What's next?

- complex queries
- use query results in the clients
- Wikimedia Commons support

https://www.wikidata.org/wiki/Wikidata:Development_plan

longer-term

Example Applications

All generated using the data stored in
Wikidata

<https://www.wikidata.org/wiki/Wikidata:Tools>

The Wiki Atlas

4thmain.github.io/projects/hacks/wiki-atlas.html

Try a language:

Powered by d3 and wikidata ([source](#))

India - Administrative Divisions (Level1)



The Wiki Atlas

4thmain.github.io/projects/hacks/wiki-atlas.html

Try a language:

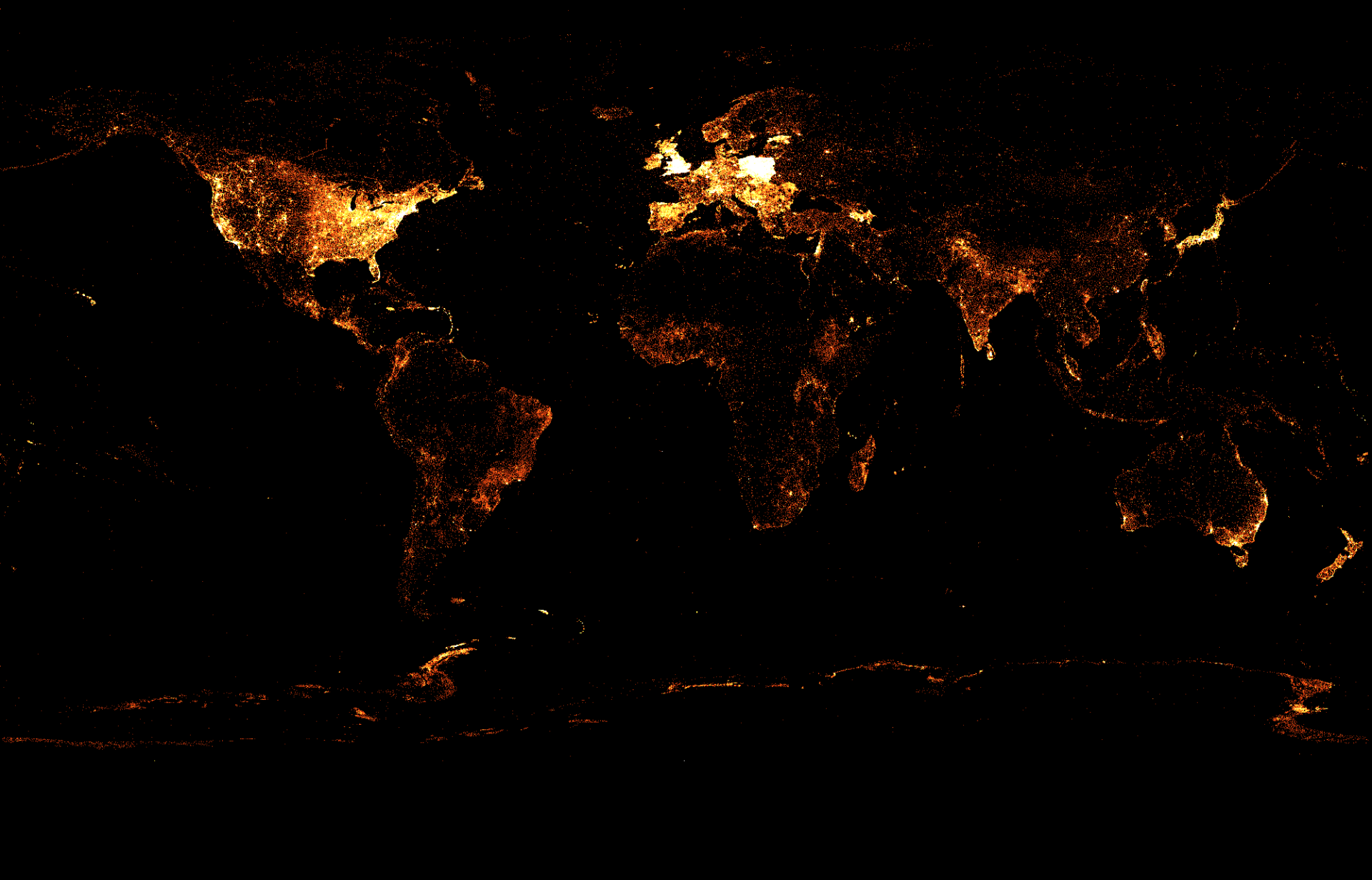
Powered by d3 and wikidata ([source](#))

India - Administrative Divisions (Level1)



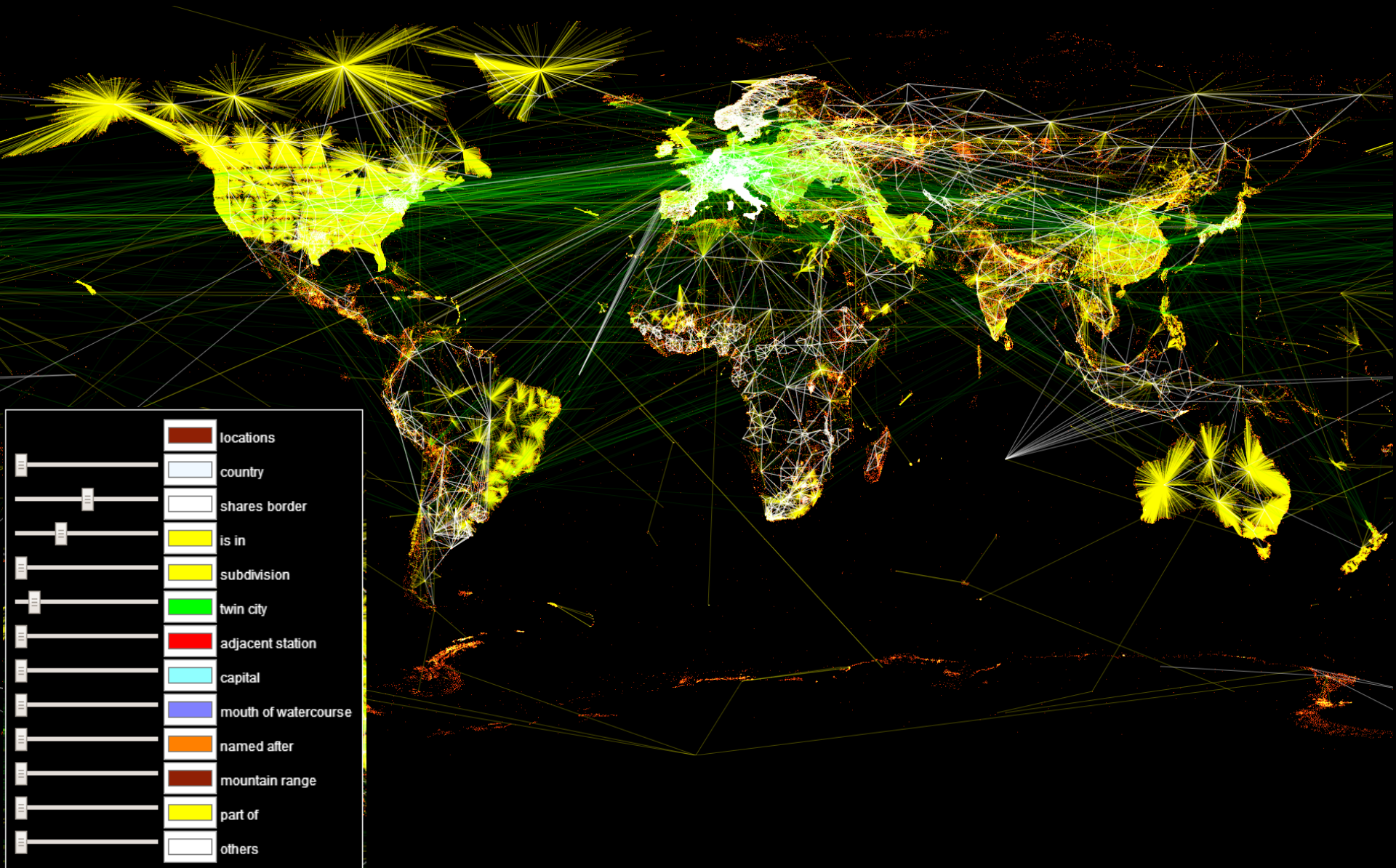
The Map

tools.wmflabs.org/wikidata-analysis/map/map.html



The Map

tools.wmflabs.org/wikidata-analysis/map/map.html



Reasonator

tools.wmflabs.org/reasonator/?q=Q76

Barack Obama (Q76)

Barack Hussein Obama II | Barack Obama II | Barack Hussein Obama | Barry Obama | Obama | Абама | Barack Hussein Obama Jr. | 奥巴马 | 巴拉克·奥巴马 | Barack Hussein Obama, Jr. | Barack H. Obama | Barack H Obama | Barack Hussein Obama Jr | Barack Hussein Obama, Jr | Barack Obama Jr | Barack Obama, Jr. | Barack Obama Jr. | Barack Obama, Jr | Barack Obama Junior | 奧巴馬 | 歐巴馬 | 巴拉克·歐巴馬 | Μπάρακ Ομπάμα | Ομπάμα | Баракк·奥巴马 | Барак·Фсейн·奥巴马 |

44th President of the United States

Barack Obama is a [US-American politician](#), [lawyer](#), [professor](#), and [author](#).

He was born *Barack Hussein Obama II* on [August 4, 1961](#) in [Honolulu](#) to [Barack Obama, Sr.](#) and [Ann Dunham](#).

He studied at [State Elementary School Menteng 01](#) from [1970](#) until [1971](#), [Punahou School](#) from [1971](#) until [1979](#), [Occidental College](#) from [1979](#) until [1981](#), [Columbia University](#) from [1981](#) until [1983](#), and [Harvard Law School](#) from [1988](#) until [1991](#). He was/is [United States Senator](#) from [January 3, 2005](#) until [November 16, 2008](#) and [President of the United States of America](#) from [January 20, 2009](#). He worked for [Sidley Austin](#), for [Business International Corporation](#), for [New York Public Interest Research Group](#), and for [Gamaliel Foundation](#).

He married [Michelle Obama](#) on [October 3, 1992](#). His children include [Malia Obama](#) and [Sasha Obama](#).

Relatives

See the full family tree: [inline/new page](#)

Parents

father ♂ [Barack Obama, Sr.](#)

mother ♀ [Ann Dunham](#)

Siblings

sister ♀ [Maya Soetoro-Ng](#)



[pronunciation audio](#)



External sites

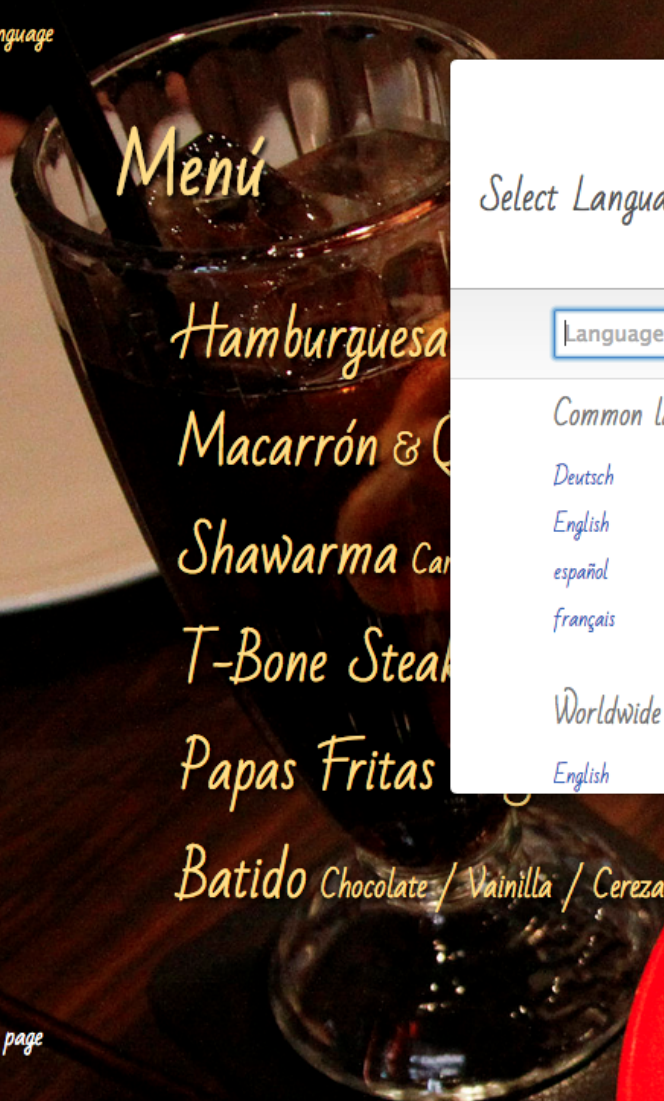
[official website](#)

A handwritten signature of Barack Obama in black ink. The signature is stylized and cursive, appearing to read 'Barack Obama'.

External sources

BNF	15591663c
CiNii	DA1624368X
GND	132522136
IMDb	nm1682433
ISNI	0000 0001 2133 1026

Select language



Select Language

Common languages

- | | |
|----------|---------|
| Deutsch | русский |
| English | 日本語 |
| español | 한국어 |
| français | |

Worldwide

- | | |
|---------|--------|
| English | Kotava |
|---------|--------|

[Back to main page](#)

Background image source: US Marines Corp, by Claudio A. Martinez

Font: Bad Script by Roman Shchyuk

Created by Denny Vrandecic, abril 2014.

Queries



Build your Wikidata query (see [the API](#) for more details about queries).

Show me items that...



Claim have any of the following claims



Property **Item / Nested query**

instance of	metro station	
is in the administrative-territorial	P131 Washington, D.C.	Q61



Query: `claim[31:928830,131:61]` (Perma Loading...

Examples: [Bridges in Germany](#) | [Taxonomy](#)

[Francis of Assisi](#)

- Washington, D.C. (Q61)**
capital city of the United States
- Washington, D.C. (Q7971591)
novel by River Gonzalez
- Washington, D.C. airport (Q7971593)
Wikipedia disambiguation page
- Washington, D.C. in four days (Q14238959)
- Washington, D.C. mayoral election, 2006 (Q7971598)
- Washington, D.C. mayoral election, 1994 (Q7971597)

<https://wdq.wmflabs.org>

Wikidata Game

tools.wmflabs.org/wikidata-game

Wikidata Game Aude



Wikidata - The game!

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



Statistics

See how you've done so far, how others have done, and how the gamification is doing.



Settings

Your personal game settings, such as language preferences.



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 person, or skip the item if you are not sure.

Gender

www.wikidata.org

#wikidata on chat.freenode.net

@wikidata on Twitter

wikidata-l@lists.wikimedia.org

https://www.wikidata.org/wiki/Wikidata:Status_updates

<https://www.mediawiki.org/wiki/Wikibase>

Any questions, just ask!

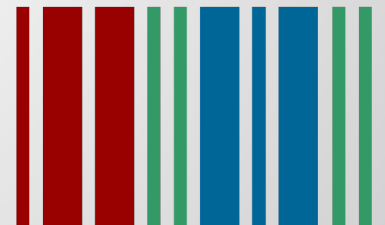
Katie Filbert - @filbertkm katie.filbert@wikimedia.de

aude in #wikidata on chat.freenode.net

<http://filbertkm.github.io/slides>



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