

OSM + WIKIPEDIA = ♥

Yuri Astrakhan



WIKIMEDIA
FOUNDATION

Geo in Wikipedia

- One fifth of all Wikipedia articles contain geo-coordinates
- 15 billion page views every month
- 80,000 active contributors / month
- 300+ languages
- Structured and queryable data in Wikidata



```
<mapframe width=350 height=350 zoom=13
longitude=-122.3988 latitude=37.8013>
```

```
{
  "type": "Feature",
  "geometry": { "type":"Point", "coordinates":
[-122.3988, 37.8013] },
  "properties": {
    "title": "[[wikipedia:Exploratorium|Exploratorium]]",
    "description": "[[File:
Giant_Mirror_at_the_Exploratorium.jpeg|200px]]",
    "marker-symbol": "museum",
    "marker-size": "large",
    "marker-color": "0050d0"
  }
}
```

```
</mapframe>
```

huttle.cz^{en} and [Czechshuttle.com](#) offers a door-to-door shuttle bus transfer from Cesky Krumlov or Ceske Budejovice to) per person.

ree times per week, with Boro Bus^{en}

ble stop in Vienna, from door to door, english speaking drivers with [Eurobusways](#)^{en}

(Wien) and Munich (München), Germany via the autobahns A8 (Munich - Salzburg) and A1 (Salzburg - Vienna). There is an purchase. The price varies depending on if you buy a yearly or 10 day vignette.

re road names are small and written in a "Traditional" German font which can be hard to read. The best bet is to get into the city, e sure that if you are driving in cold weather to be prepared for snow. Snow chains should be recommended, in extreme *(Interreifen)* by law from October to April)

foot.

Bus, with numbers from 1 to 8 (O-Buses, electric) and 20-27 (fuel-in the bus), a 24h ticket costs 3€30 (when bought at the vending ntly passes. If you travel by bus, make sure you catch none of the last rs out of town with your only way back being by walking or taxi. With that night it may be best to take a taxi or walk. Conveniently, bus tickets can r, but are more expensive (2€40 to be compared with 1€60 at the

station under the main train station and travels in the direction of s can be bought on the train.

the main city (Bad Ischl, Fuschsee, etc.) are the **POST-BUSES**. These ets can be bought from the driver.

a bike. Salzburg has over 100 km of bike paths, and using this mode of or foot. There are also excellent bike paths on either side of the river 35 min), Oberndorf or Hallein (each about an hour away).

h Salzburg and how much you want to pack into one day, the Salzburg udes:

ttactions.

t the city, including fortress funicular, panorama boat & cable car Untersberg.

ons.

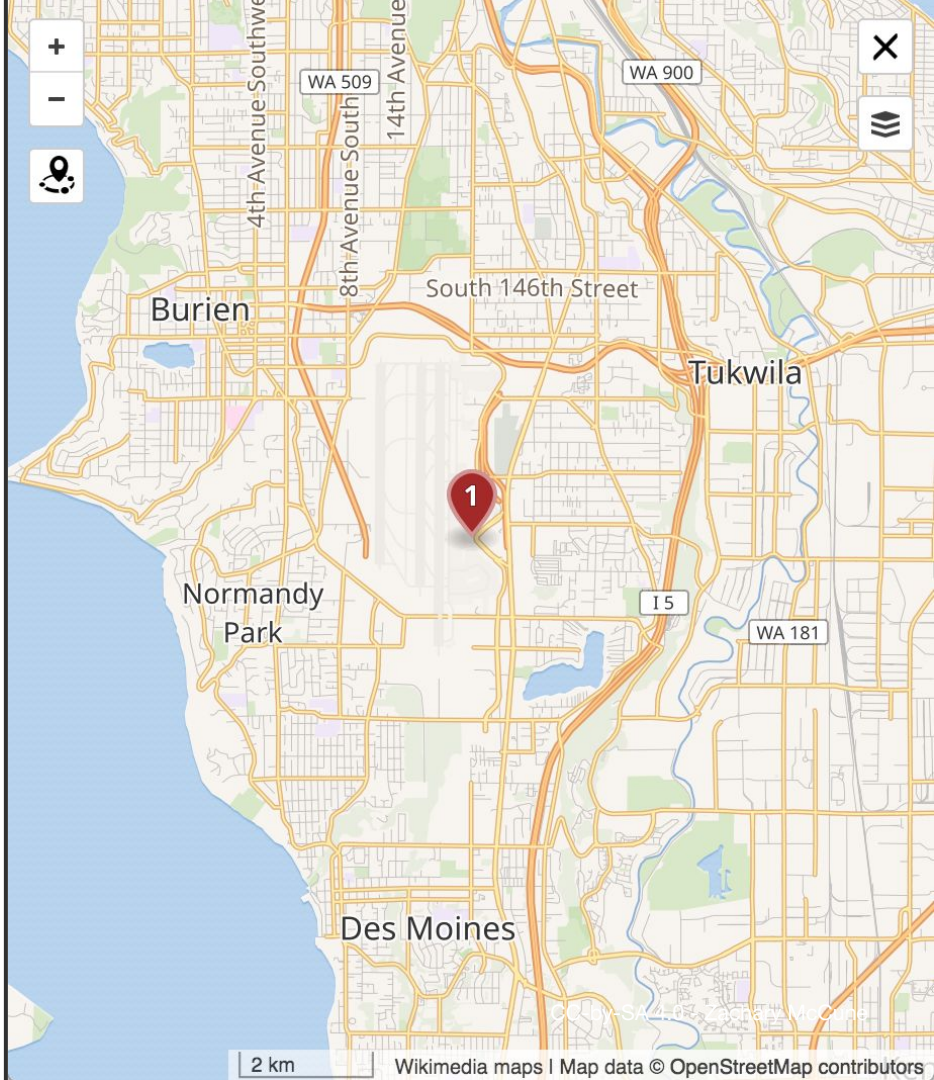
rs: € 35.00, 72 hours: € 41.00



```
<maplink width=350 height=350 zoom=13  
longitude=-122.3988 latitude=37.8013>
```

```
{  
  "type": "Feature",  
  "geometry": { "type":"Point", "coordinates":  
[-122.3988, 37.8013] },  
  "properties": {  
    "title": "[[wikipedia:Exploratorium|Exploratorium]]",  
    "description": "[[File:  
Giant_Mirror_at_the_Exploratorium.jpeg|200px]]",  
    "marker-symbol": "museum",  
    "marker-size": "large",  
    "marker-color": "0050d0"  
  }  
}
```

```
</maplink>
```



2 km

Wikimedia maps | Map data © OpenStreetMap contributors

Geo search



WZ
Beta-Cluster

Main page
Contents
Featured content
Current events
Random article
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Wikipedia store

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 neartitle:San_Francisco 

Search

Results 1 - 5 of 5

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Wikimedia Foundation

"Wikimedia" redirects here. It is not to be confused with MediaWiki or Wikimedia Commons. Coordinates: 37°47′13″N 122°23′59″W﻿ / ﻿37.78697°N 122.399677°W﻿ / 81 KB (5,568 words) - 17:31, 25 May 2014

Tenderloin

This article is about the San Francisco neighborhood. For other uses, see Tenderloin (disambiguation). The Tenderloin is a neighborhood in downtown San Francisco. **28 KB (3,366 words) - 16:29, 11 December 2013**

Jeff and his GeoData

Here is an article that Jeff wrote which has some geodata in it. It's pretty cool! Coordinates: 37°47′13″N 122°23′59″W﻿ / ﻿37.786971°N 122.399677°W﻿ / 186 bytes (37 words) - 20:03, 12 December 2013

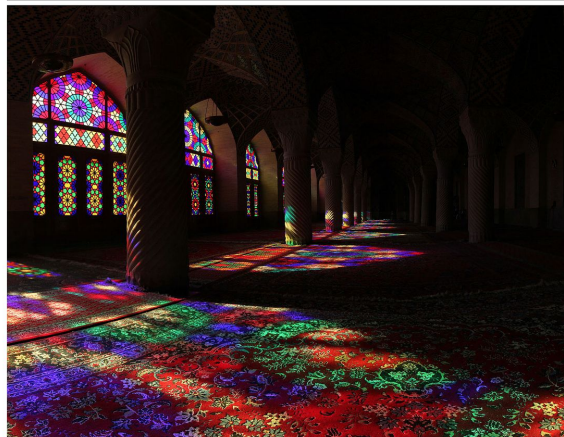
Fillmore west

This article is about the post-1968 San Francisco music venue. For the pre-1968 venue, see The Fillmore. For the San Francisco neighborhood, see Fillmore. **3 KB (357 words) - 16:37, 11 December 2013**

The Montgomery (San Francisco)

Commons Image Coordinates

- Main page
- Welcome
- Community portal
- Village pump
- Help center
- Participate
- Upload file
- Recent changes
- Latest files
- Random file
- Contact us
- Tools
- What links here
- Related changes
- Special pages
- Permanent link
- Page information
- Nominate for deletion



Size of this preview: 775 × 600 pixels. Other resolutions: 310 × 240 pixels | 620 × 480 pixels | 992 × 768 pixels | 1,280 × 991 pixels | 4,538 × 3,513 pixels.
Language select: English

Add a note

Original file (4,538 × 3,513 pixels, file size: 3.76 MB, MIME type: image/jpeg); [request rotation](#); ZoomViewer: [flash/no flash](#)

[Open in Media Viewer](#)

Summary [\[edit \]](#)

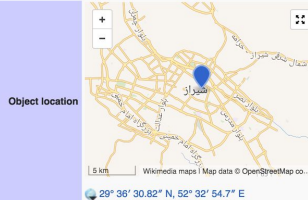
Description **English:** A view of the interior of **Nasir ol Molk Mosque** located in Shiraz. The mosque includes extensive colored glass in its facade that make beautiful colors when light is passed through them and is reflected on the carpets.

 This is a photo of a monument in Iran identified by the ID 1009

Date 6 February 2015, 10:41:12

Source Own work

Author [Ayyoubabawiki](#)



View this and other nearby images on: [OpenStreetMap](#) - [Google Earth](#)

29°36′30.82″N, 52°32′54.7″E﻿ / ﻿29.60833°N 52.54861°E﻿ / 29.60833; 52.54861

Assessment [\[edit \]](#)

This file was awarded **second place** in **Picture of the Year 2015**.

This is a **featured picture** on Wikimedia Commons (**Featured pictures**) and is **considered** one of the finest images.

★ This is a **featured picture** on the Arabic language Wikipedia (**صور مختارة**) and is **considered** one of the finest images.

Wikidata Coordinate Location



- Main page
 - Community portal
 - Project chat
 - Create a new item
 - Item by title
 - Recent changes
 - Random item
 - Query Service
 - Nearby
 - Help
 - Donate
- Tools
- What links here
 - Related changes
 - Special pages
 - Permanent link
 - Page information
 - Concept URI
 - Cite this page

Item **Discussion** Read View history More

Seattle University (Q615873) [edit](#)

university [edit](#)
Seattle U

[In more languages](#) Configure

Language	Label	Description	Also known as
English	Seattle University	university	Seattle U
French	université de Seattle	No description defined	
Spanish	Universidad de Seattle	No description defined	
Traditional Chinese	No label defined	No description defined	

[More languages](#)

Statements

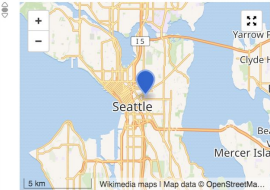
Commons category [edit](#)

Q615873 [Seattle University](#) [edit](#)

0 references [+ add reference](#)

[+ add](#)

coordinate location [edit](#)

Q615873  [edit](#)

47°36'35"N, 122°19'8"W [edit](#)

1 reference [+ add](#)

instance of [edit](#)

Q615873 [university](#) [edit](#)

0 references [+ add reference](#)

Q615873 [private not-for-profit educational institution](#) [edit](#)

1 reference [+ add](#)

topic's main category [edit](#)

Q615873 [Category:Seattle University](#) [edit](#)

0 references [+ add reference](#)

Wikidata Query Service



Wikidata Query Service

Examples Prefixes Tools Help

```
1 #Locations of castles that are also archaeological sites
2 #defaultView:Map
3 SELECT ?label ?coord ?subj
4 WHERE
5 {
6   ?subj wdt:P31 wd:Q839954 .
7   ?subj wdt:P31 wd:Q23413 .
8   ?subj wdt:P625 ?coord .
9   ?subj rdfs:label ?label filter (lang(?label) = "en")
10 }
```

Press [CTRL-SPACE] to activate auto completion.

Run Clear 426 Results in 18 ms

A map of Europe with red dots indicating the locations of castles that are also archaeological sites. The dots are concentrated in Germany (Deutschland) and the United Kingdom (England). Labels on the map include Danmark, Hamburg, Berlin, Deutschland, Köln, Nederland, Luxembour, Paris, London, Guernsey, Jersey, and Česko. The map also shows the Isle of Man, Ireland, and the Pyrenees region.

Edit feature ✕

📍 Fountain i

▼ All fields

Name	🗑️
Josephine Shaw Lowell Fountain	+

Add field:

▼ All tags (2)

amenity	fountain	🗑️	i
name	Josephine Shaw L.⋮	🗑️	i

+

▼ All relations (0)

+

[View on openstreetmap.org](#)



DataViz

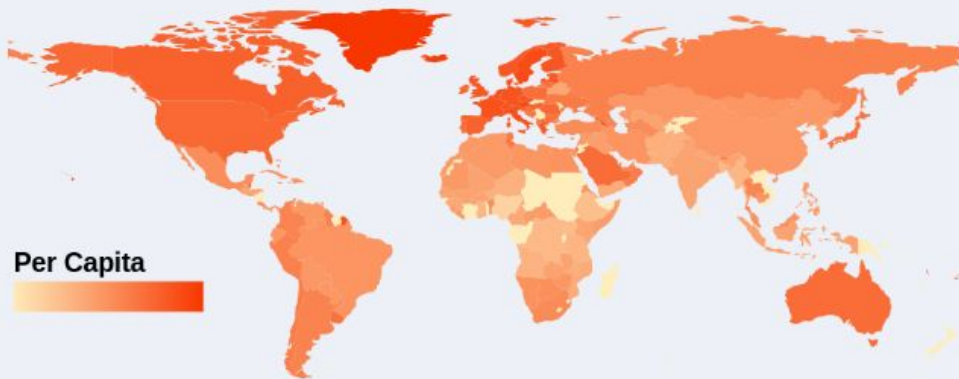
Graph data from Wikidata
+ OSM + Commons



Sacramento
Population: 490k



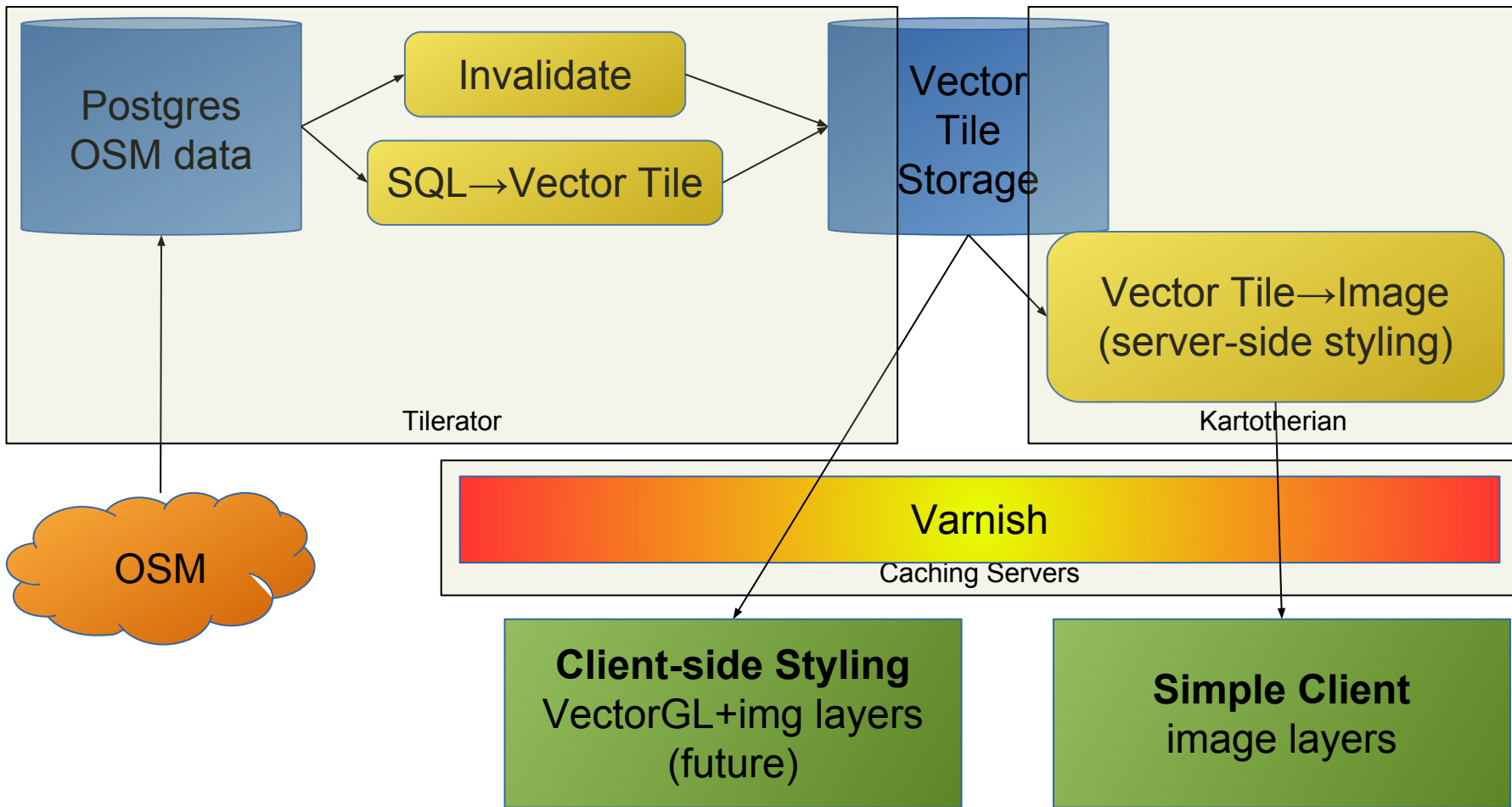
Museums



Kartotherian

- Horizontally scalable vector tile server
- Flexible tile pipeline
- Geoshapes service
- Batch tile pre-generation (Tilerator)
- Open Source github.com/kartotherian/kartotherian

Kartotherian Tile Server



Thanks!

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Max Semenik

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Special thanks to:

Map style OSM Bright by Mapbox, components by Mapbox and Mapnik,
and of course the OSM community!



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