

CODEWEEK.EU

Der OKLab
Git, CSS, Javascript, Leaflet Workshop

CODEWEEK.EU

[Events](#) [Resources](#) [Why coding?](#) [About](#)

Code Week



11th — 17th October
[#codeEU](#)

All around Europe, people are making apps, websites and lots of other things by learning to code.

Join them at one of many events and clubs taking place when Code Week returns this year.

[Find an event near you](#)

WHY LEARN TO CODE?

In a world where we're surrounded by technology, and where so many of our interactions with computers, learning to code helps us understand how these services work.

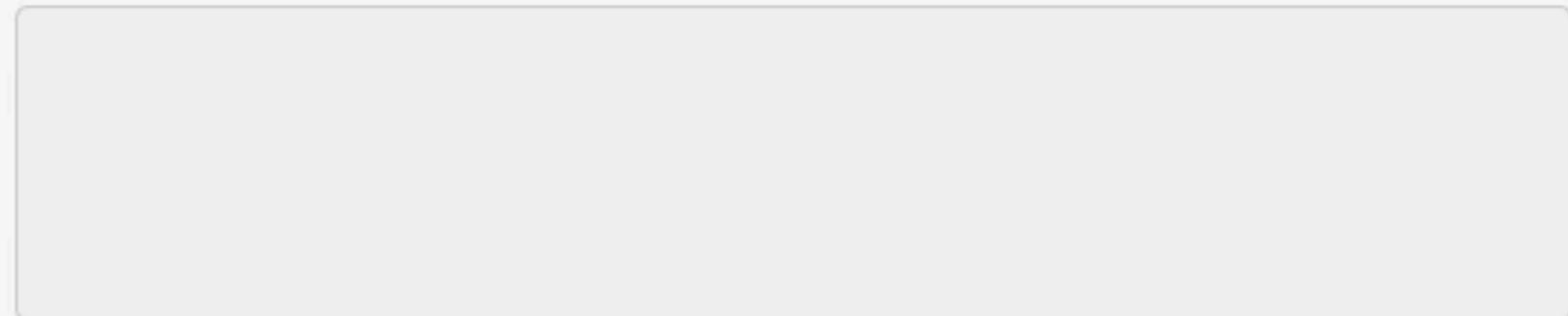
SHARING

- Posts auf deutsch: #CodeDE
- Posts auf English: #CodeEU
- Video: [vine.co](#)

THEMEN

- Warum sollte ich **GIT** benutzen
- Was macht das **CSS**
- Wie schreibt man **Javascript**
- Warum **Leaflet** so toll ist

Wie man normalerweise Text editiert:

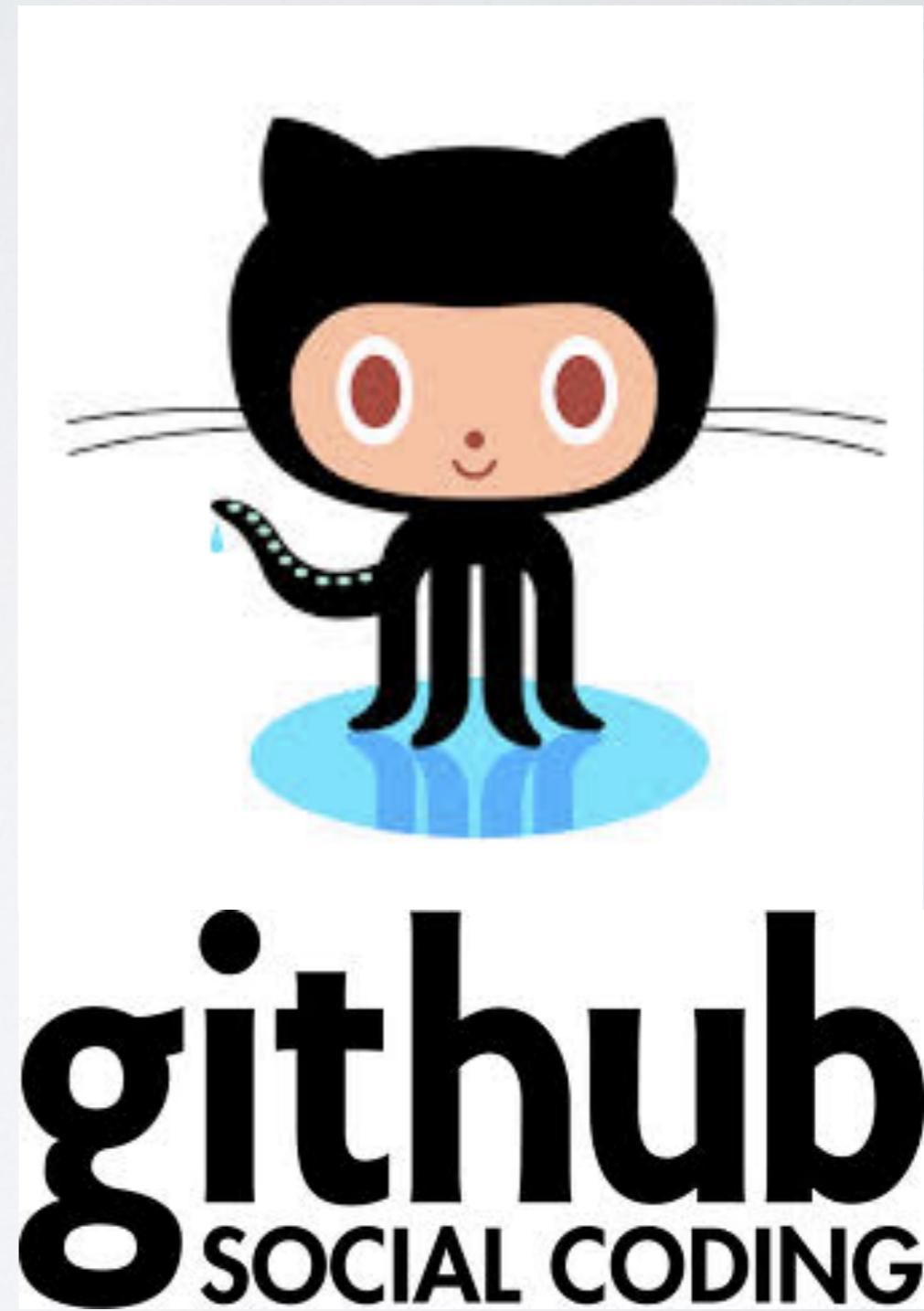


NACHTEILE „BACK BUTTON“

- Verlust der einzelnen Versionen
- Rückgängig machen ist teils umständlich bzw. nicht mehr möglich
- Teamarbeit geht kaum

DAS GIT UNIVERSUM

- Webhoster: github.com
- Tutorial & Installation
([http://rogerdudler.github.io/
git-guide](http://rogerdudler.github.io/git-guide))



DASTERMINAL

```
Last login: Tue Oct  7 15:30:38 on ttys011  
⇒ ~ |
```

ERSTELLE EIN EIGENES GIT:

Erstelle einen Ordner:

→ ~ md ordnername

Gehe zum Ordner:

→ ~ cd ordnername

lege ein lokales Git Repository an:

→ ~ git init

CLONE EIN GIT-REPOSITORY:

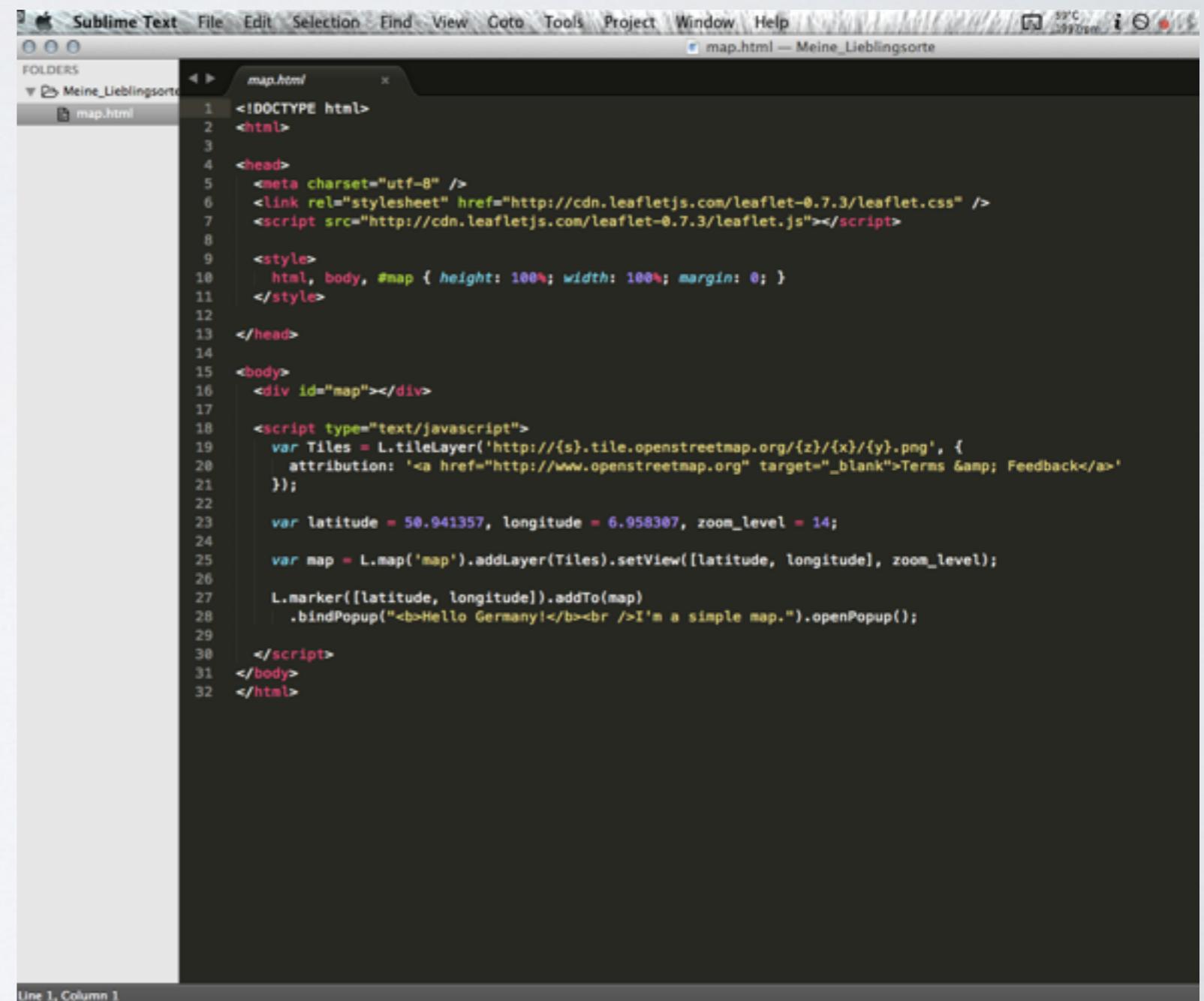
→ ~ git clone [repo]

[repo] =

https://github.com/marcel12bell/simple_leaflet_examples.git

DER TEXT EDITOR

- Jedes Text Programm
- Editoren oder IDE's
- www.sublimetext.com
- www.c9.io



The screenshot shows the Sublime Text 2 interface with a dark theme. The window title is "Sublime Text" and the active file is "map.html". The file path in the sidebar is "Meine_Lieblingsorte/map.html". The code editor displays the following HTML and JavaScript code:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8" />
<link rel="stylesheet" href="http://cdn.leafletjs.com/leaflet-0.7.3/leaflet.css" />
<script src="http://cdn.leafletjs.com/leaflet-0.7.3/leaflet.js"></script>
<style>
    html, body, #map { height: 100%; width: 100%; margin: 0; }
</style>
</head>
<body>
<div id="map"></div>
<script type="text/javascript">
    var Tiles = L.tileLayer('http://{s}.tile.openstreetmap.org/{z}/{x}/{y}.png', {
        attribution: '<a href="http://www.openstreetmap.org" target="_blank">Terms & Feedback</a>'
    });

    var latitude = 50.941357, longitude = 6.958307, zoom_level = 14;
    var map = L.map('map').addLayer(Tiles).setView([latitude, longitude], zoom_level);

    L.marker([latitude, longitude]).addTo(map)
        .bindPopup("<b>Hello Germany!</b><br />I'm a simple map.").openPopup();
</script>
</body>
</html>
```

The status bar at the bottom left of the editor window shows "Line 1, Column 1".

HTML

(HYPERTEXT MARKUP LANGUAGE)

```
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8" />
  <style>

    </style>

</head>

<body>
  <div id="map"></div>

  <script type="text/javascript">

    </script>
</body>
</html>
```

Datei speichern z.b. als index.html

Köln

Willkommen beim OK Lab Köln! Wir freuen uns über neue Gesichter, die uns unterstützen oder eigene Ideen mitbringen.

Zur Zeit treffen wir uns alle zwei Wochen und arbeiten aktuell an der Offenlegung der KVB Daten. Eine APP, die die Defibrillatoren in der Nähe der eigenen Umgebung anzeigt ist schon fertig. Außerdem wurde eine Wasserqualitäts-App aus Heilbronn für Köln angepasst.

Frauen sind herzlich eingeladen vorbeizukommen und uns zu unterstützen. Wir freuen uns über jede helfende Hand, egal ob Design, Code, PR usw.

Basis Info

- Meetup
- Pad

Kontakt

- [Marcel Belledin](#)

Termine

OK Lab Köln

[OK Lab Köln Treffen](#)

19 - 22 Wikipedia:Lokal K, Hackländerstraße 2, Köln
13 Oktober 2014
[Meet-Up](#)

Projekte

...laden...

Two mobile phone screens are shown side-by-side. Both screens display a map application with a search result for "sendung.de". The search result shows "Bezirkamt Innenstadt" with the address "Säule im Wartebereich, Laurenzplatz 1-3, 50667 Köln Altstadt-Nord". The time on both phones is 10:43 AM.

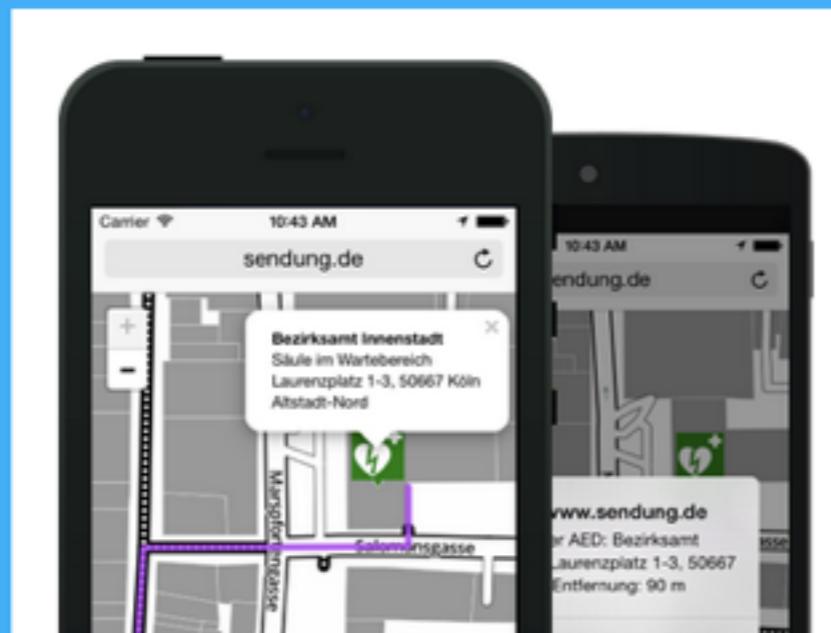
CSS HILFT...

TERMINE

OK Lab Köln
OK LAB KÖLN TREFFEN
⌚ 19 - 22
📍 Wikipedia:Lokal K, Hackländerstraße 2, Köln

13
Oktober 2014
Meet-Up

PROJEKTE



Was steckt im Kölner Leitungswasser?

Linksrheinisch

Natrium Kalium Calcium Magnesium Chlorid Nitrat Sulfat Härte

Natrium reguliert den Wasserhaushalt.
Wieviel Natrium für wen geeignet ist, hängt stark vom Einzelnen ab: Sportlern ist natriumreiches Wasser zu empfehlen, Menschen mit Bluthochdruck oder Säuglingen sollten natriumarmes Wasser (weniger als 20 Milligramm pro Liter) trinken.
Ein Mangel an Natrium äußert sich in körperlicher Schwäche, Übelkeit und Muskelkrämpfen bis hin zum Kreislaufkollaps.
Empfohlen sind mindestens 550 mg Natrium pro Tag. Für eine ärztlich empfohlene natriumarme Ernährung oder für Säuglinge sind weniger als 20 mg/1 Natrium geeignet.

> Vergleich mit Mineralwasser

CSS

(CASCADING STYLE SHEETS)

```
<!DOCTYPE html>
<html>

<head>
    <meta charset="utf-8" />
    <link rel="stylesheet" href="http://cdn.leafletjs.com/leaflet-0.7.3/leaflet.css" />

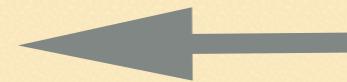
    <style type="text/css">
        html, body, #map {
            height: 100%;
            width: 100%;
            margin: 0;
        }
    </style>

</head>

<body>
    <div id="map"></div>

    <script type="text/javascript">

    </script>
</body>
</html>
```



background: green;

JAVASCRIPT

- Variablen werden mit „var“ definiert:

```
var name = "Zuweisung"
```

- Funktionen werden deklariert:

```
function function_name (argument) {  
    // body...  
}
```

LEAVLET.JS



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10.3K followers

[Gefällt mir](#)

An Open-Source JavaScript Library for Mobile-Friendly Interactive Maps

[Overview](#)

[Features](#)

[Tutorials](#)

[API](#)

[Download](#)

[Plugins](#)

[Blog](#)

[GitHub](#)

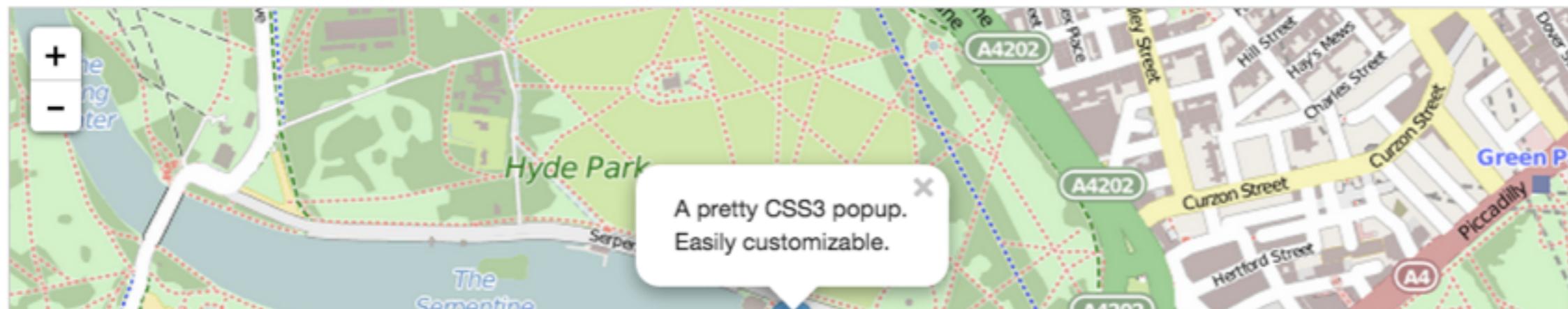
[Twitter](#)

[Forum](#)

Leaflet is a modern open-source JavaScript library for mobile-friendly interactive maps. It is developed by [Vladimir Agafonkin](#) with a team of dedicated [contributors](#). Weighing just about 33 KB of JS, it has all the [features](#) most developers ever need for online maps.

Leaflet is designed with *simplicity*, *performance* and *usability* in mind. It works efficiently across all major desktop and mobile platforms out of the box, taking advantage of HTML5 and CSS3 on modern browsers while still being accessible on older ones. It can be extended with a huge amount of [plugins](#), has a beautiful, easy to use and [well-documented API](#) and a simple, readable [source code](#) that is a joy to [contribute](#) to.

Used by: Flickr foursquare Pinterest craigslist Data.gov IGN Wikimedia OSM Meetup WSJ Mapbox CartoDB GIS Cloud ...



```
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8" />
  <link rel="stylesheet" href="http://cdn.leafletjs.com/leaflet-0.7.3/leaflet.css" />
  <script src="http://cdn.leafletjs.com/leaflet-0.7.3/leaflet.js"></script>

  <style type="text/css">
    html, body, #map { height: 100%; width: 100%; margin: 0; }
  </style>

</head>

<body>
  <div id="map"></div>

  <script type="text/javascript">
    var Tiles = L.tileLayer('http://{s}.tile.openstreetmap.org/{z}/{x}/{y}.png', {
      attribution: '<a href="http://www.openstreetmap.org" target="_blank">Terms & Feedback</a>'
    });

    var latitude = 50.941357, longitude = 6.958307, zoom_level = 14;

    var map = L.map('map').addLayer(Tiles).setView([latitude, longitude], zoom_level);

  </script>
</body>
</html>
```

ERWEITERBAR:

- Mit Marken:

```
L.marker([latitude, longitude]).addTo(map)
  .bindPopup("<b>Hello Germany!</b><br />I'm a simple map.").openPopup();
```

ERWEITERBAR:

- Mit Marken:

```
L.marker([latitude, longitude]).addTo(map)
  .bindPopup("<b>Hello Germany!</b><br />I'm a simple map.").openPopup();
```

- Mit Kreisen:

```
var circle = L.circle([latitude, longitude], 200, {
  color: 'red',
  fillColor: '#f03',
  fillOpacity: 0.5
}).addTo(map);
```

ERWEITERBAR:

- Mit Aktionen:

```
var popup = L.popup();

function onMapClick(e) {
    popup.setLatLng(e.latlng)
        .setContent("You clicked the map at " + e.latlng.toString())
        .openOn(map);
}

map.on('click', onMapClick);
```

COMMIT CHANGES

Füge Änderungen hinzu:

→ ~ git add * oder: git add [Dateiname]

Was wurde hinzugefügt:

→ ~ git commit -m [„Commit-Nachricht“]

lade einen alten Commit:

→ ~ git log (zeigt bisherige Commits)

→ ~ git checkout [Commit Hash] .
(der Punkt am Ende hat Bedeutung)

GEOJSON.IO

Open Save New Share Meta unsaved

Help

New here? [geojson.io](#) is a quick, simple tool for creating, viewing, and sharing maps. geojson.io is named after [GeoJSON](#), an open source data format, and it supports GeoJSON in all ways - but also accepts KML, GPX, CSV, TopoJSON, and other formats.

Need extra help or see a bug? [Open an issue on geojson.io's issue tracker](#).

I've got data

If you have data, like a KML, GeoJSON, or CSV file, just drag & drop it onto the page or click 'Open' and 'Import' - your data should appear on the map!

I want to draw features

Click the drawing tools on the left-hand side to draw points, polygons, lines and rectangles. After you're done drawing the shapes, you can add information to each feature by clicking on it, editing the feature's properties, and clicking 'Save'.

Properties in GeoJSON are stored as 'key value pairs' - so, for instance, if you wanted to add a name to each feature, type 'name' in the first table field, and the name of the feature in the second.

WWW.PATRICK-WIED.AT/ STATIC/HEATMAPJS/

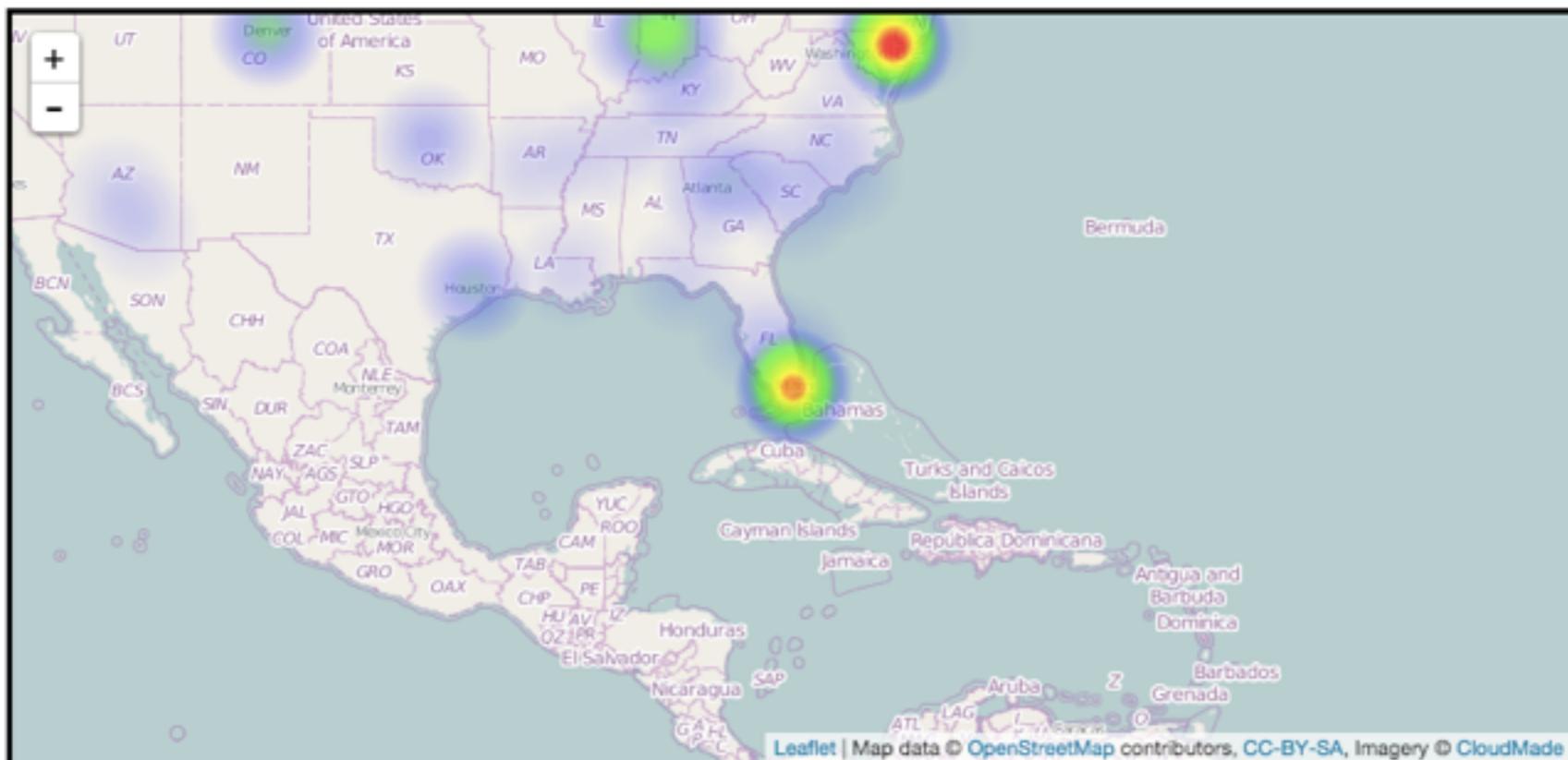
Leaflet Heatmap Example

[heatmap.js](#) » [Heatmap Examples](#) » Leaflet Heatmap Example

This example shows a leaflet heatmap layer example for the heatmap.js leaflet plugin.
Since it's a plugin make sure you don't forget to include **leaflet-heatmap.js**

thank you, this example was useful

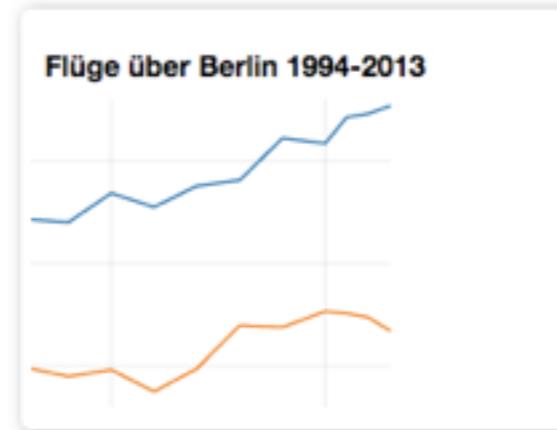
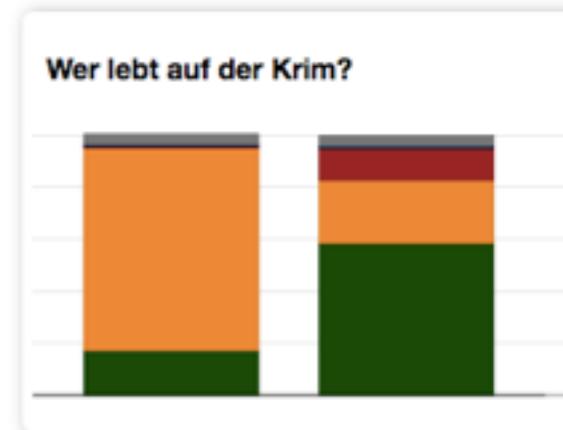
Demo



DATAWRAPPER.DE

Erstellt mit Datawrapper.

Looking for some inspiration? See what others have created [in our gallery](#).



OVERPASS-TURBO.EU

Ausführen Teilen Export Wizard Speichern Laden Einstellungen Hilfe overpass turbo ⓘ Flattr this! Karte Daten

```
<!--  
This shows the whole cycleway and cycleroute network.  
-->  
<osm-script output="json">  
  <!-- get cycle route relations -->  
  <query type="relation" into="cr">  
    <bbox-query {bbox}>/>  
    <has-kv k="route" v="bicycle"/>  
  </query>  
  <!-- get cycleways (tagging scheme 1) -->  
  <query type="way" into="cwl">  
    <bbox-query {bbox}>/>  
    <has-kv k="highway" v="cycleway"/>  
  </query>  
  <!-- get cycleways (tagging scheme 2) -->  
  <query type="way" into="cw2">  
    <bbox-query {bbox}>/>  
    <has-kv k="highway" v="path"/>  
    <has-kv k="bicycle" v="designated"/>  
  </query>  
  <!-- combine all found cycleways -->  
  <union into="cw">  
    <item set="cwl"/>  
    <item set="cw2"/>  
  </union>  
  <!-- combine with the cycle routes and use recurse to get to  
underlying geometry (ways and nodes): -->  
  <union>  
    <item set="cr"/>  
    <recurse from="cr" type="down"/>  
    <item set="cw"/>  
    <recurse from="cw" type="down"/>  
  </union>  
  <!-- show the result -->  
  <print mode="body" order="quadtile"/>  
</osm-script>
```

