

Data 🖐️ Use 🖐️ Society (*Datennutzung fördern*)




- Hello World x Open Data x Mission
- Community x Government x Laws
- Hackdays x Dialog x Social Good

Oleg Lavrovsky
Universität Bern
datetime(2023, 01, 21)
hackmd.io/@oleg/unibe-2023-01





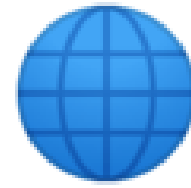
HALLO, WELT

- 2011- Activist / Director [Opendata.ch](#)
- 2014- Lecturing @ Uni Bern / [BFH](#) / [HSLU](#)
- 2017- Coworker / builder @ [Effinger](#) / [Köniz](#)
- 2019- Civic urbanist @ [cividi.ch](#) / [posmo.coop](#)
- 2020- Maintainer @ [dribdat.cc](#) / [proxeus.org](#)
- 2002-  scener @ [echtzeit](#) / [playbern](#)
- [@loleg](#) [fosstodon](#)+[gh](#)+[Inkdn](#)+[hack](#)



- It is a very cold day in Bern (who else rode a bike in this morning?)
- Not representative of all corners of Society (did not sleep outdoors)
- The war continues, on day 332 (we are all traumatised)

“I AM DATA”





“I AM CERTIFIED”



MICROSOFT CERTIFICATE OF EXCELLENCE



OLEG LAVROVSKY

Has successfully completed the requirements to be recognized as a
Microsoft Certified Professional

Bill Gates



“I AM DEVELOPER”





Oleg Lavrovsky

@datalets

Bern, Switzerland

<https://datalets.ch>

Statistics

272 public repos

75 source repos

14 years of GitHub age

Recently updated [View All on GitHub](#)

[backboard](#) Jan 14, 2023 · 0 stargazers · 0 forks

[dribdat](#) Jan 13, 2023 · 1 stargazers · 3 forks

[fedi.watch](#) Jan 12, 2023 · 0 stargazers · 0 forks

backboard

Vue

One page app that uses the dribdat API to present challenges

dribdat

Python

Open hackathons FTW

fedi.watch

Astro

hugo-hackatheme

board design by @twitter.

CSS

cf-workers-status-page

JavaScript

Monitor your websites, showcase status including daily history, and get Slack/Telegram /Discord notification whenever your website status changes

awesome-node-based-uis

A curated list with resources about node-based UIs

dokuwiki-projects

Python

Documentation of projects in the make.opendata.ch Dokuwiki instance

awesome

😄 Awesome lists about all kinds of interesting topics

wlw-partner-map

Python

Map service for the association Wir lernen weiter

mastodon-ansible

Ansible playbook for installing Mastodon

proxerus-core

JavaScript

“I AM HACKTIVIST”





1069

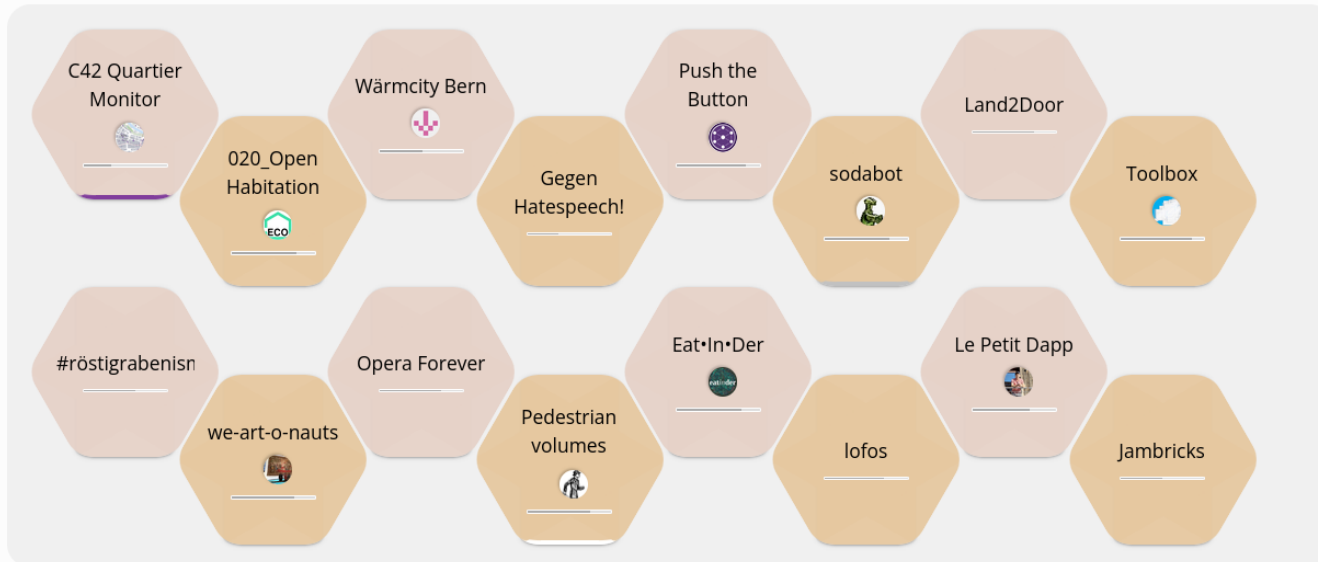
 Organizer

 Developer

My Story

Maintainer of [dribdat](#), the official and 100% open platform of Opendata.ch Hackdays.

Projects



C42 Quartier Monitor

020_Open Habitation

Wärmcity Bern

Gegen Hatespeech!

Push the Button

sodabot

Land2Door

Toolbox

#röstigrabenisn

we-art-o-nauts

Opera Forever

Pedestrian volumes

Eat•In•Der

lofos

Le Petit Dapp

Jambricks

“WE ARE HACKTIVISTS”





Who am I ?



- #Hacking4Good
- Building Computer Science at EPFL
- Open Data (Bibliothèque Universitaire de lausanne et les Universités)
- Hack University: what's it about?

0) MISSION

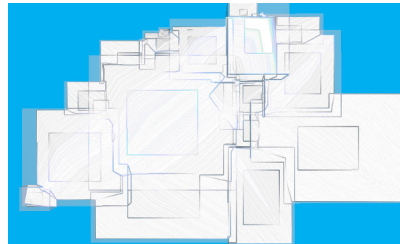


dat.alets.ch

Practice code craft and data engineering, build sustainable platforms that bring more diverse people together around facts & figures, provide exposure to outstanding {open} projects, critical evaluation to their sources and algorithms ... *and don't be too square.* +++

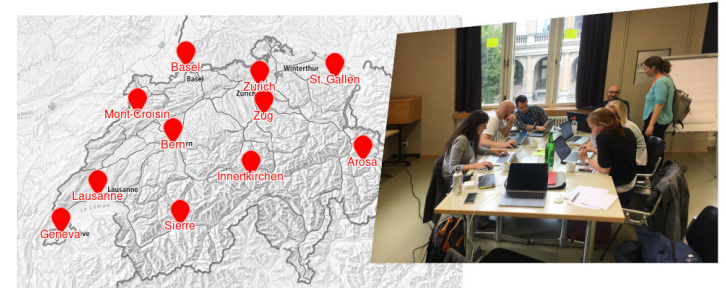
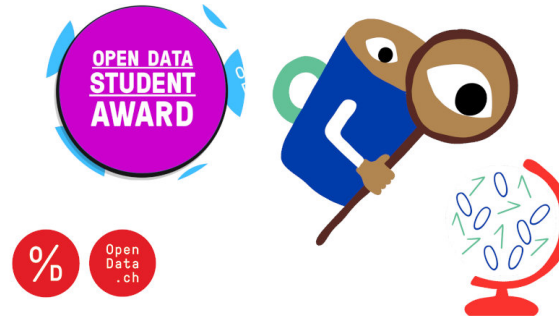
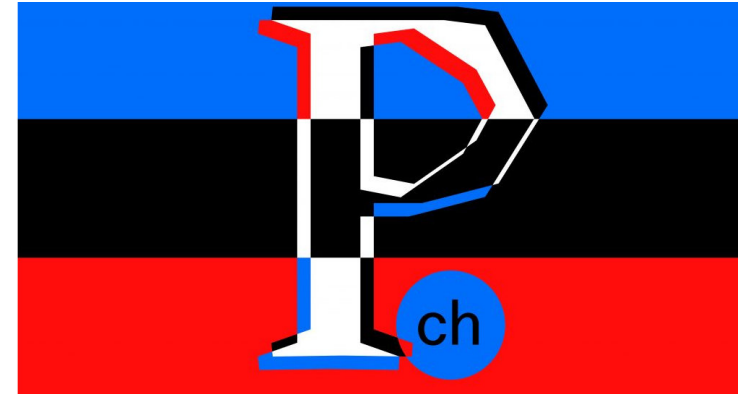
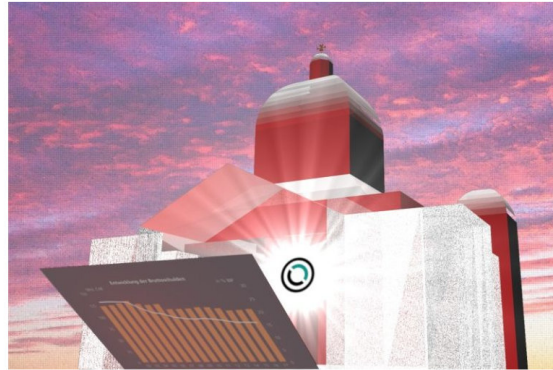


make open data



Ideengeber, Designer und Entwickler **arbeiten zusammen** mit freien und öffentlichen Daten – für **Transparenz, Innovation und Effizienz!**

👉 hack.opendata.ch





Der **Swiss chapter of Open Knowledge** - **setzt sich** für einen offenen Zugang zu Daten, Informationen und Wissen und die freie Wiederverwendbarkeit von Daten ein. Damit engagieren wir uns für eine Gesellschaft, in der **alle die gleiche Chance haben**, unsere Zukunft informiert und aktiv mitzugestalten.



The mission of the Open Knowledge Foundation is
to **create a more open world.**



The Open Definition

The **Open Definition** sets out principles that define “openness” in relation to **data and content**.

It makes **precise** the meaning of “open” in the terms “**open data**” and “**open content**” and thereby ensures **quality** and encourages **compatibility** between different pools of open material.

It can be summed up in the statement that:

*“Open means **anyone** can **freely access, use, modify, and share** for **any purpose** (subject, at most, to requirements that preserve provenance and openness).”*

Put most succinctly:

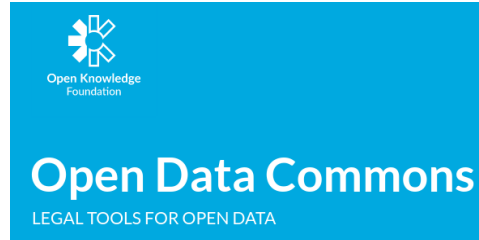
*“Open data and content can be **freely used, modified, and shared** by **anyone** for **any purpose**”*

THE OPEN DEFINITION IN YOUR LANGUAGE

العربية | Беларуская | Български | Català
| Czech | Dansk | Deutsch | Eesti |
Ελληνικά | English | Español | Euskara |
Suomi | Français | Galego | עברית | हिन्दी |
Croatian | Magyar | Indonesian | Íslenska
| Italiano | 日本語 | ಕನ್ನಡ | 한국어 |
македонски јазик | नेपाली | Norsk
(bokmål) | Polszczyzna | Português
Brasileiro | Português | Русский | Shqip |
Српски | Svenska | తెలుగు | Türkçe |
Українська | 简体中文 | 繁體中文



opendatacommons.org





handbook.opendata.swiss



Deutsch | Français

Handbuch durchsuchen

Vorbereiten

[Auf einen Blick](#)

[Für Erst-Publizierende](#)

[Publikationsrichtlinien](#)

Publizieren

[Auf einen Blick](#)

[Für Erst-Publizierende](#)

[Publikationsprozess verstehen](#)

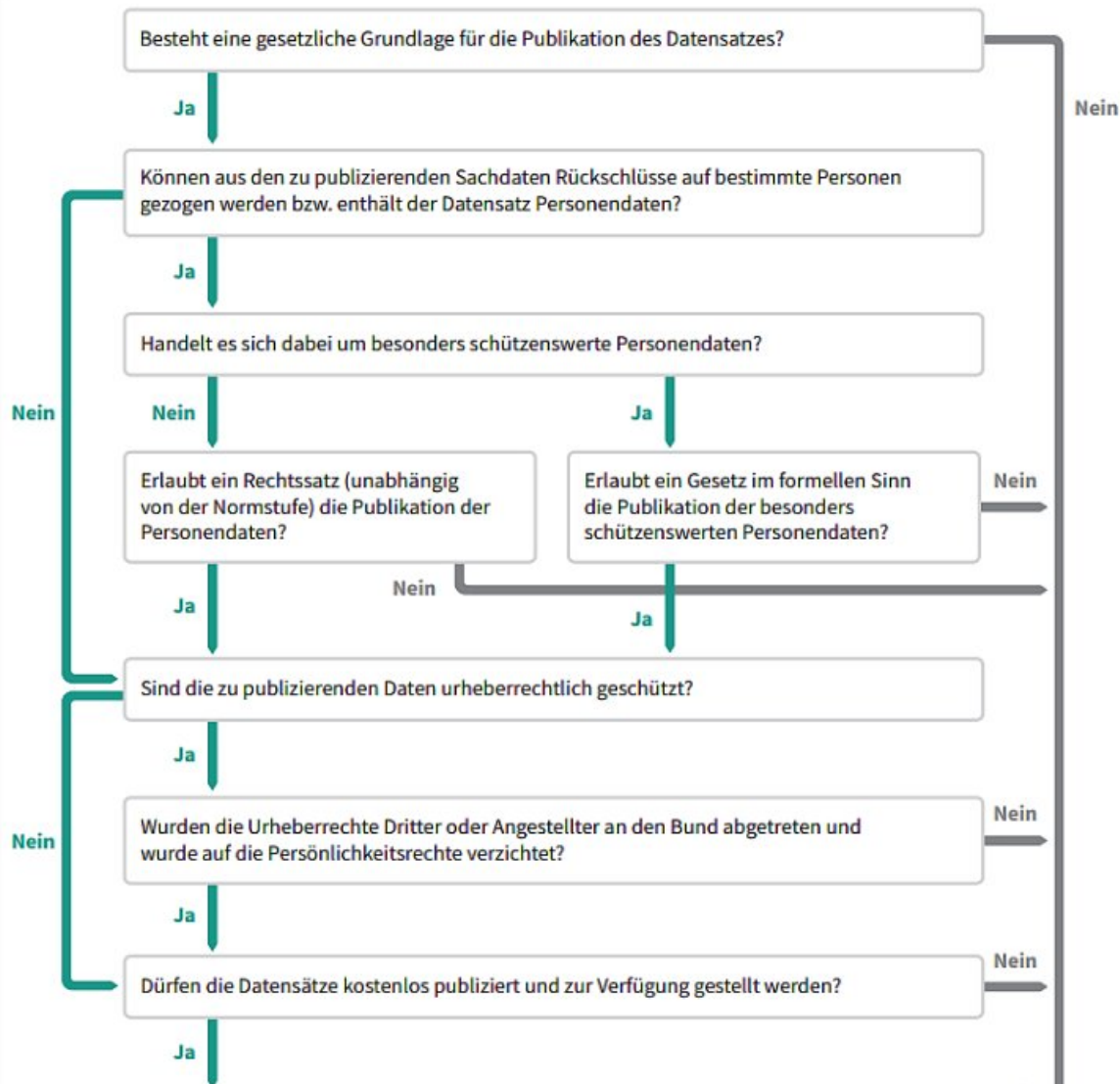
[Publikationsvariante auswählen](#)

Pflegen

[Auf einen Blick](#)

[Datasets updaten](#)

[Auskunft zu Daten geben](#)



Open By Default

Das Bundesgesetz über die Digitalisierung der Verwaltung (**EMBAG**) ist Teil der **Prioritäten für die digitale Schweiz** und sieht vor, dass die Bundesverwaltung ihre **Daten grundsätzlich der Öffentlichkeit zur kostenlosen Nutzung und Weiterverwendung** zur Verfügung stellt. Damit verbunden sind Revisionen von Bundesgesetzen, die unter anderem die generelle Gebührenpflicht abschaffen werden.

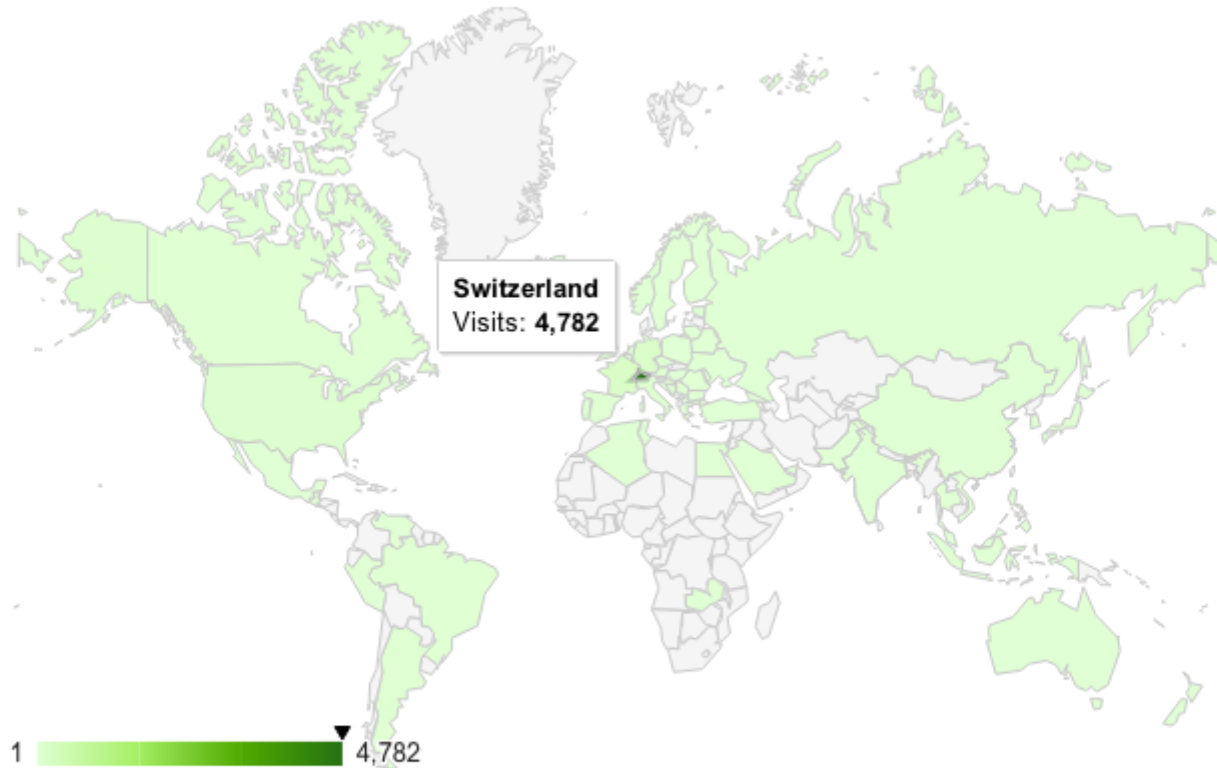
- Geo.Hackmin Week 2021
- Consultation response 2021
- GovTech Hackathon  **March 2023**

1) OBSERVATION



What **kinds** of open data do we want?

Web-friendly data



Visits	Pages/Visit	Avg. Visit Duration	% New Visits	Bounce Rate
5,518	1.35	00:01:26	64.30%	79.23%
% of Total: 100.00% (5,518)	Site Avg: 1.35 (0.00%)	Site Avg: 00:01:26 (0.00%)	Site Avg: 64.30% (0.00%)	Site Avg: 79.23% (0.00%)

(**.opendata.ch* in 2019)

Most Valuable Data

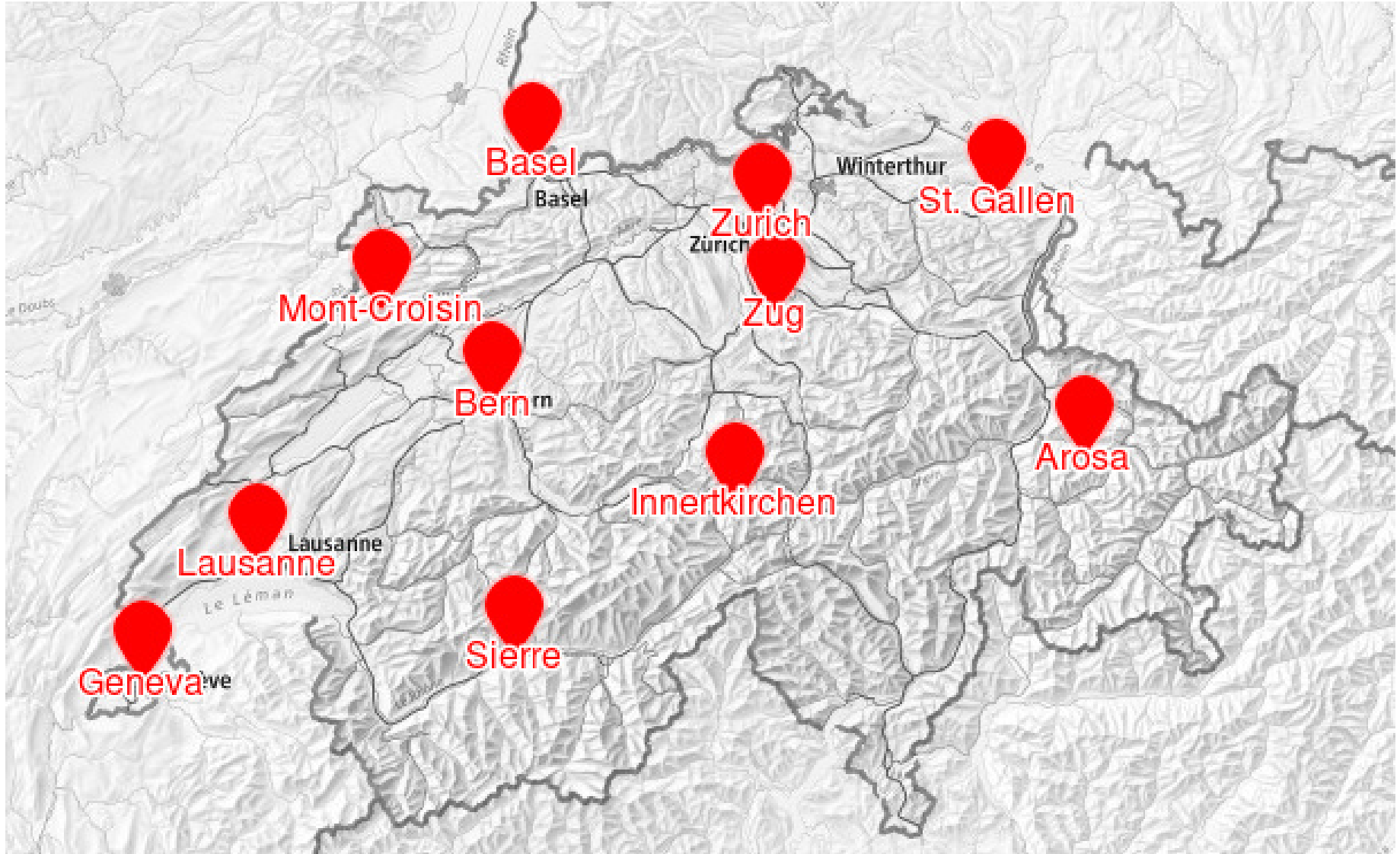
Number of countries **39** Number of responses **257** Number of datasets **234** Number of open key datasets **50**

Table [Map](#)

[+ Add data to the census!](#)

Sort	National Map	Government Budget	Election Results	Company Register	Government Spending	Legislation	National Statistics	Postcode/ZIP database	Public Transport	Environmental pollutants	Total Score
<input type="radio"/> alphabetically <input checked="" type="radio"/> by score											
United States	7/7	7/7	6/7	6/7	7/7	5/7	7/7	5/7	7/7	7/7	64/70
United Kingdom	7/7	7/7	6/7	4/7	7/7	7/7	7/7	7/7	?	5/7	57/70
Australia	7/7	5/7	7/7	3/7	5/7	4/7	7/7	7/7	7/7	6/7	58/70
France	6/7	6/7	7/7	5/7	?	5/7	7/7	?	7/7	6/7	49/70
Netherlands	7/7	7/7	7/7	3/7	0/7	7/7	5/7	6/7	6/7	4/7	52/70
Sweden	3/7	7/7	6/7	5/7	?	5/7	7/7	5/7	7/7	?	45/70
Germany	4/7	4/7	7/7	4/7	0/7	4/7	6/7	7/7	?	7/7	43/70
Brazil	5/7	5/7	3/7	3/7	7/7	5/7	4/7	5/7	?	5/7	42/70
Belarus	5/7	?	5/7	6/7	5/7	5/7	5/7	6/7	?	4/7	41/70
Switzerland	6/7	3/7	4/7	4/7	5/7	5/7	6/7	6/7	5/7	?	44/70
Italy	4/7	7/7	5/7	4/7	2/7	4/7	7/7	3/7	0/7	4/7	40/70
Norway	6/7	?	6/7	6/7	?	?	6/7	?	?	7/7	31/70
Belgium	5/7	5/7	4/7	4/7	?	5/7	6/7	6/7	4/7	4/7	43/70
Canada	7/7	?	7/7	?	6/7	4/7	?	5/7	?	?	29/70

(census.okfn.org)
Data with Impact



(blog.datalets.ch)


Data for, from & by the community

Categories - forum.opendata.ch

https://forum.opendata.ch/categories

297.7 ms

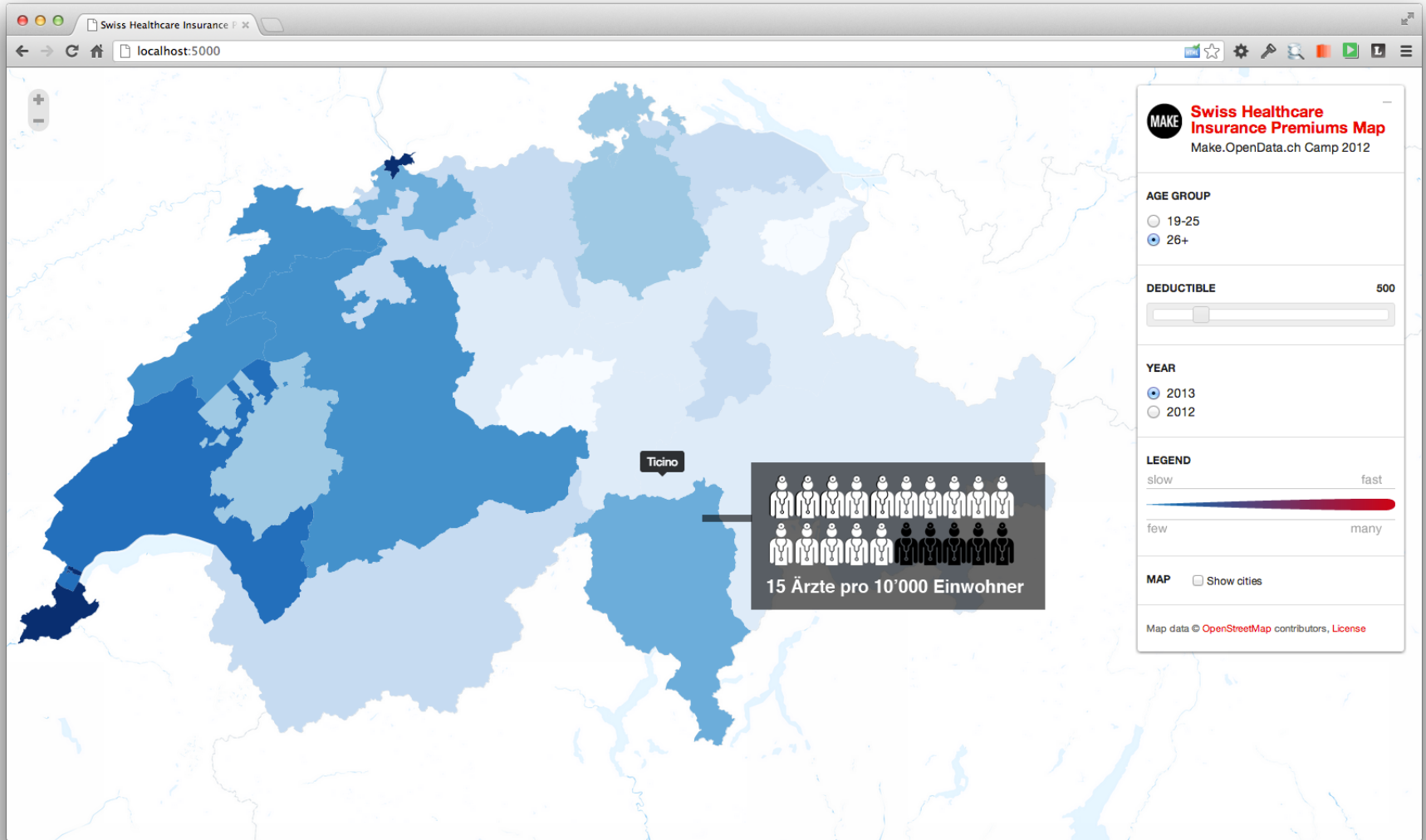
Category	Topics	Latest
Expeditions 218 Hackathons Events Covid-19 Hacknights Youth Activities Opendata.ch/2019 Data Arts Legal Case Data ADV		HACKnight 2020 / Results 0 Hacknights 9d [5.-7.11] Open Data Hack St.Gallen 2021 0 Hackathons 16d Big Blue Button - HACKnight 2020 0 Hacknights 18d FoI = FYI: meet @freiedokumente 0 Operations 28d Standort planung - Energy Data Hackdays 2019 0 Opendata.ch/2019 Sep 10 OGD Zürich - Data Manager / Engineer 0 Market Sep 8
Operations 31 For questions and suggestions about primarily the technical and financial sustainability of open data projects, and what it takes to keep things going beyond the hack. Use this category to post ideas, funding sources, grants and sponsorships. There is a Market sub-category for open job listings and ... Market Waiting Room Meta		[3-4.9] Open Farming Hackdays 1 Hackathons Sep 6 [12-13.11] Data Hackdays BE 2021 0
Raw Data Now! 82 Started in 2011, our Data Seekers Forum follows up on requests or inquiries about data sources, especially in Switzerland. Any requests we can't handle directly will be forwarded further upstream. If you are making a request, please make sure to include: Show & share Inspiration Fizzbuzz		
Buffer Overflow 19 This is where all Questions get Answered, waypoints are offered, new questions are raised. We are here to help, and we will relay anything that we can't immediately assist with to our wider network.		

forum.opendata.ch + makezurich.ch +
#opendatach + 

2) DIALOG

 How do we foster connection?

make.opendata.ch (2012)



db.schoolofdata.ch (2020)



Kanton Zürich
Statistisches Amt

Monitoring COVID-19 effects

March 18 - 24, 2020

#covid19mon

Kantonale COVID-19-Fallzahlen

Promoting
124

Offiziellen COVID-19-Fallzahlen aus alle Kantone der Schweiz verfügbar machen

Pitch Readme Log

Aktuelle SARS-CoV-2 Fallzahlen der Kantone und Fürstentum Liechtenstein (FL)

- Daten für heute verfügbar
- Werte aktuell verfügbar (letzte Woche mindestens 5 von 7)
- Daten für heute noch ausstehend
- Werte lückenhaft verfügbar (mindestens ein Eintrag)
- Daten älter als 24h
- Werte nicht verfügbar

Kanton / FL ↑	Datum, Zeit	Fallzahlen	ncumul_conf	ncumul_deceased	ncumul_tested	current_hosp	current_icu	current_vent	ncumul_released	new_hosp
AG	09.03.2021 08:00	↗ CSV	●	●	●	●	●	●	●	●
AI	10.03.2021 12:00	↗ CSV	●	●	●	●	●	●	●	●
AR	10.03.2021	↗ CSV	●	●	●	●	●	●	●	●
BE	10.03.2021 08:00	↗ CSV	●	●	●	●	●	●	●	●
BL	10.03.2021	↗ CSV	●	●	●	●	●	●	●	●

opendata.swiss (2020)

Gesundheit

Suche zurücksetzen

Schlagwörter

gesundheit-und-sich... 1

Organisationen

Bundesamt für Gesun... 1

Politische Ebenen

Bund 1

Nutzungsbedingungen



Formate

ZIP 1

1 Datensatz gefunden

Sortieren nach Name aufsteigend

Zeckenzephalitis / Frühsommer-Meningoenzephalitis (FSME) - Impfpfhlung

Geographie, Gesundheit

Die Frühsommer-Meningoenzephalitis (FSME) ist eine Infektionskrankheit, die durch das FSME-Virus hervorgerufen wird und eine Hirnhautentzündung verursachen kann. Die Übertragun...

ZIP

opendata.swiss (2022)

Daten

virus



Suche zurücksetzen

Kategorien

Gesundheit 16

Geographie 2

Mobilität und Verkehr 2

Schlagwörter

covid-19 15

corona 13

coronavirus 12

sars-cov-2 9

krankheit 5

lungenentzündung 5

test 5

virus 5

gesundheit 4

spital 4

Zeige mehr Schlagwörter

Organisationen

Kanton Basel-Stadt 10

17 Datensätze gefunden

Sortieren nach Relevanz

Coronavirus (Covid-19): Teststellen

Kanton Basel-Stadt

Gesundheit

Eine Übersicht der Standorte, an welchen sich die Bevölkerung auf SARS-CoV-2 testen lassen kann. Für Kinder werden von gewissen Teststellen zusätzlich zum Abstrich im Rachenbereich...

Zuletzt aktualisiert: 6. Juni 2021

ZIP CSV JSON corona test pandemie coronavirus spital virus covid-19 lungenentzündung krankheit

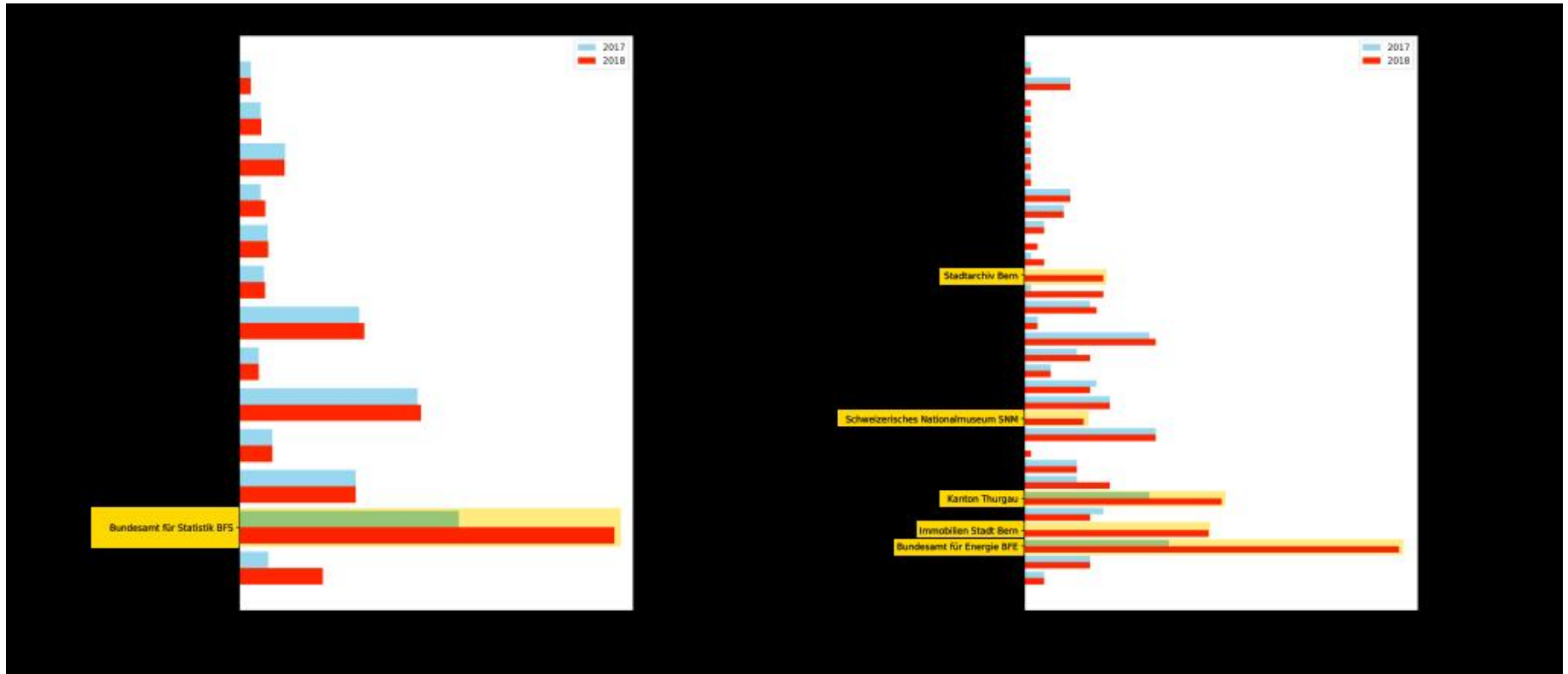
Coronavirus (Covid-19): Positiv getestete Minderjährige in 3-Jahresklassen

Kanton Basel-Stadt

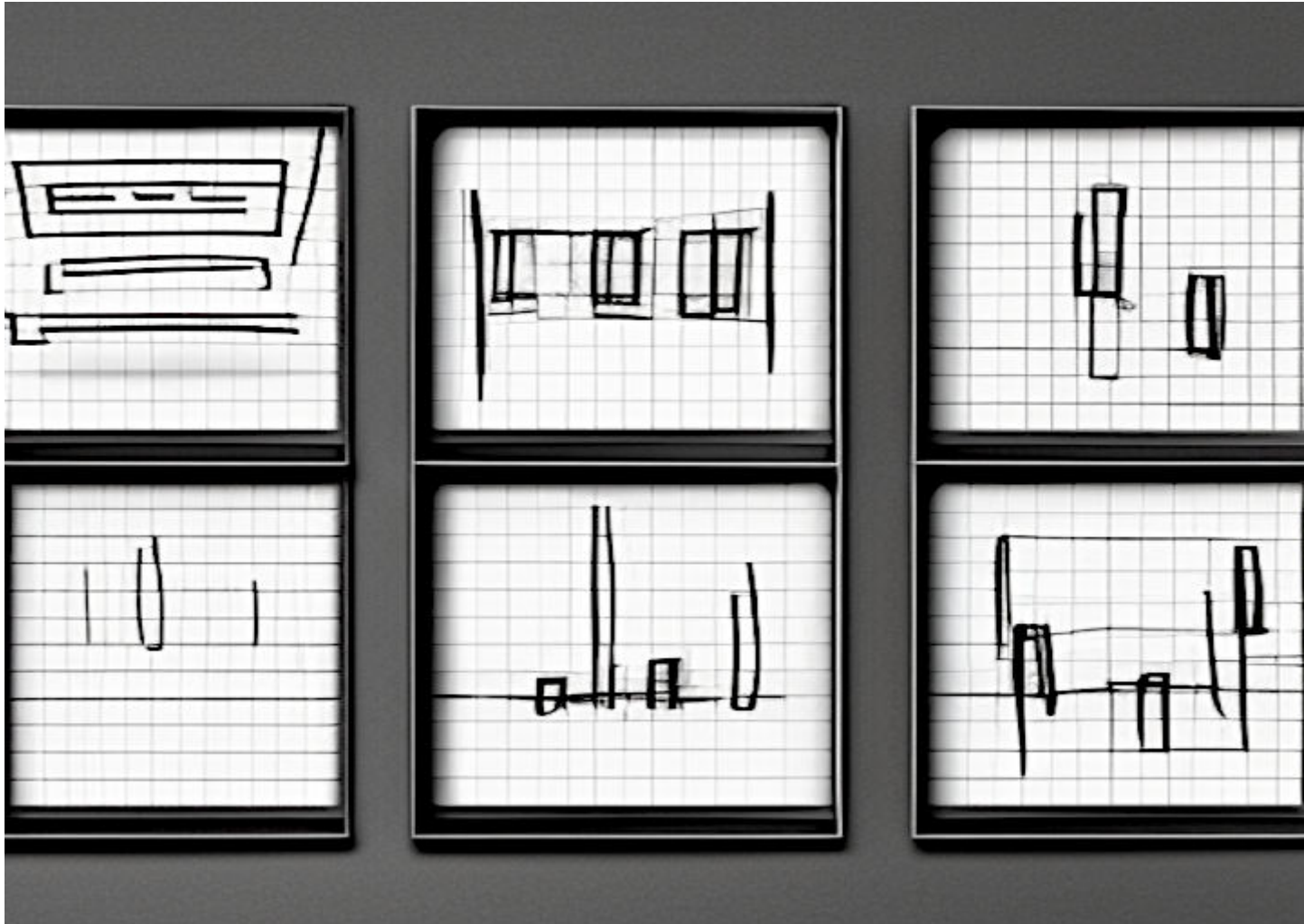
Gesundheit

Dieser Datensatz zeigt die minderjährigen Personen, welche positiv auf SARS-CoV-2 getestet wurden in 3-Jahresklassen. Die erste Klasse (0 bis 3 Jahre) enthält 4 Jahre. Es werden...

jonasoesch.ch (2017)



#statusopendata (soon!)



3) ACCELERATION



hack.opendata.ch



Past events



Rethink Journalism Hackathon 2022

www

November 25 - 26, 2022
Basel

Join us in the quest to stimulate and promote progressive journalism.

★ Results



Energy Data Hackdays 2022

www

September 16 - 17, 2022
Brugg

Energy companies, public administrations and other organisations make data available for the development of creative ideas and prototypes.

★ Results

OPEN FARMING HACKDAYS



Open Farming Hackdays 2022

www

September 2 - 3, 2022
Gränichen (AG)

Gestalte die Landwirtschaft von morgen mit!

★ Results



Opt in to co-create

Share ownership of the process to learn what really gets your people into the flow. Stem design thinking practices with [bootstraps](#) to make the most of your time together.



Simple as a- π

This is a platform for communities: accessible and usable for a wide range of participants on any device. And yes, there is an [API](#) for all your [bots](#) and [apps](#).



Free as in freedom

Apply open licenses and Code of Conduct by default. Connect to the world's most popular open platforms, and let us know if there's one missing! Did we mention that this is entirely [open source](#)?



Import, export

Liberate your innovative ideas and projects with [Frictionless Data](#) and [Schema.org](#) to better publish, archive and analyse your results.

Sense the city  **MAKE your data!**
([MakeZurich](#))



Go beyond urban data ([Farming Hackdays](#))



Create hybrid universes and new incentives (GeoHackmin)



4) SUSTAINABILITY



wemakeit.ch



entscheidsuche.ch

von [Verein entscheidsuche.ch](#)

Politik Gesellschaft Technologie

📍 [Zürich](#), [Bern](#) und [Genf](#)



Die frei zugängliche Webseite [entscheidsuche.ch](#) bietet eine Suche in allen publizierten Gerichtsurteilen von Schweizer Gerichten aller Instanzen. Sie soll künftig regelmässig aktualisiert werden.

CHF 11'100

111% von CHF 10'000

So funktioniert's ▾

84 Unterstützer*innen

Erfolgreich abgeschlossen am
1.7.2020

Inhalt Updates 9 Unterstützer*innen 64 Kommentare >

So funktioniert der Prototyp

Wähle eine Belohnung aus:

CHF **50.-** 27 vergeben

[Erwähnung auf der Webseite](#)

People want to give open data projects **money!**
BTW ... [forum.opendata.ch/t/funding-
experiment/603](https://forum.opendata.ch/t/funding-experiment/603)

Open source projects, yearly revenue versus GitHub stars



Source: GitHub and OpenCollective web pages on June 11th 2019.



Cubo - Nimm dein Leben in die Hand

Care giver portal

Asylum Seekers' Profiles Visualization

Social Assistance Expenditures

Poverty and Inequality data visualization



Berner
Fachhochschule

Stellen Sie sich die Frage, wie die Chancen der Digitalisierung im Sozialwesen zu nutzen sind?

The recording of our project has been done and all the documentation is now available.

@margaux_siguier / 2 months ago

We have created a fresh project page to collect the results on, and are still working on a couple of interesting directions.

@oleg / 2 months ago

This is the correct link to our repository: <https://github.com/beugster/social-assistance-expenditures>

@noemiblanchar / 2 months ago

The prototype is out there!

@noemiblanchar / 2 months ago

Done!

@AnninaIndermhle / 2 months ago

Die Idee für das Produkt ist entwickelt und wird anhand von Mockups illustriert

@SamuelWehrli / 2 months ago

Everything uploaded and ready to be inspected by peers and judges.

@AnninaIndermhle / 2 months ago

MS Teams and github




@andreas_leixeira / 2 months ago

Prototype ist hostet here: <https://johanneshool.github.io/asylumseeker/>

@johannes_hool / 2 months ago

People want to give open data projects **time!**

All your hacks Proof of work (soon)

Empfangsschein / Récépissé / Ricevuta	Einzahlung Giro	Versement Virement	Versamento Girata
<p>Einzahlung für / Versement pour / Versamento per PostFinance 3030 Bern <i>à l'attention de / en faveur de / A favore di</i></p> <p>#GLAMhack participants</p> <p>Industriestrasse 88 8000 ZÜRICH <i>Konto / Compte / Conto (IBAN)</i> CH03 0900 0000 2500 9034 2</p> <p>CHF [][] 2 5 8 7 5 9 . 5 2 <i>Entschäft von / Versi per / Versato da</i></p> <p> De Annahmestelle L'office de dépôt L'ufficio d'accettazione</p>	<p>Einzahlung für / Versement pour / Versamento per PostFinance 3030 Bern <i>à l'attention de / en faveur de / A favore di</i></p> <p>#GLAMhack participants</p> <p>Industriestrasse 88 8000 ZÜRICH <i>Konto / Compte / Conto (IBAN)</i> CH03 0900 0000 2500 9034 2</p> <p>CHF [][] 2 5 8 7 5 9 . 5 2 <i>Entschäft von / Versi per / Versato da</i></p>	<p>Zahlungszweck/Notif versement/Attivo versamento</p> <p> 01.2014 PF</p> <p>Referenz-Nr./N° de référence/N° di riferimento</p> <p></p>	

Time is money.

opendatabeer.ch



Hosts of community events are always

prototypefund.ch



23.2.2023

appreciate





5) CLOSURE



~~WAITING FOR DATA TO SNOW~~



RAW, OPEN, DATA, NOW!





[OPENDATA.CH/EVENTS](https://opendata.ch/events)

DANKE.



oleg@opendata.ch



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