

Open Data

BFH CAS DA

17.1.19

Hello, World!

5 seconds

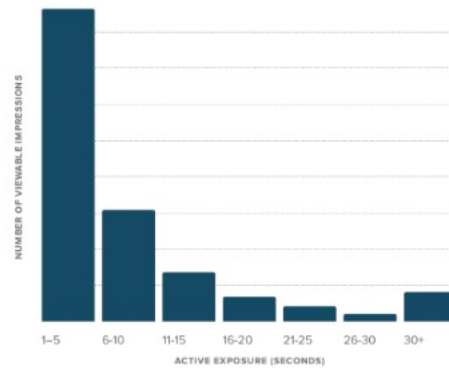
Achtsamkeit.

Ziele

1. Die Möglichkeiten von global verfügbarer Daten.
2. Relevanz von Daten in einer zunehmend digitalisierten Welt
 - für ein globales Wissenssystem
 - für Ökonomie und Wirtschaft
3. Öffentlich zugängliche Daten
4. Open Data in der Schweiz
5. Open Data nutzen: Gruppenarbeit

5 seconds

How Long are Viewable Impressions Actually Seen?



-- [A Data State of the Union](#), Tony Haile, Chartbeat



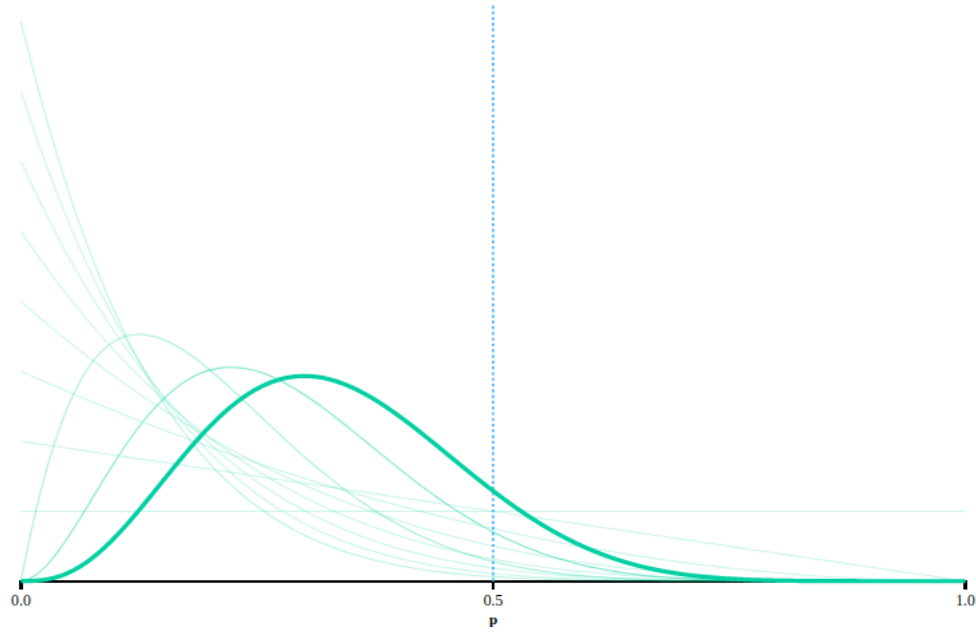
David Cameron's Transparency Revolution / What Obama Did for Tech



President Signs Government-wide Open Data Bill (15.1.2019)

„Die grösste Stärke des Menschen ist es, alle neuen Informationen so zu interpretieren, dass die vorangehenden Aussagen gültig bleiben.“

--Warren Buffet via [Rolf Dobelli](#)

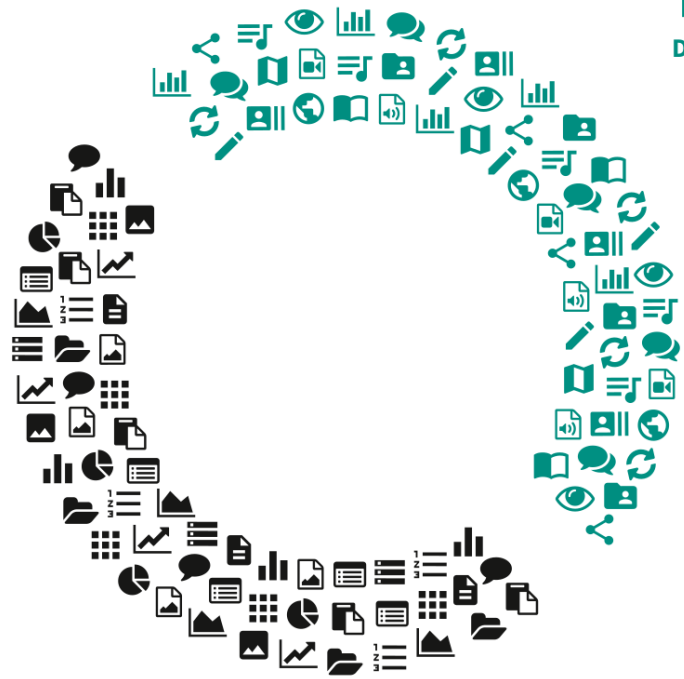


-- [Seeing Theory](#), Daniel Kunin & al., Brown University

*„Eine Überfülle an Information ist kein
nebensächliches Problem. Große Mengen an
Rohdaten bilden eine politische Tatsache.“*

-- [Richard Sennett](#)


Data owners




Data users

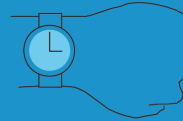
more Open Data can help make
better decisions



2,549 hours
wasted
finding parking



7,000 lives
saved due to
quicker response

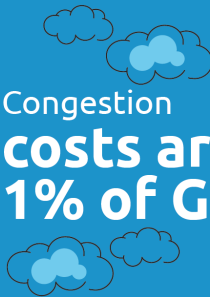


629 million
hours saved is
equivalent to
€ 27.9 bn

5.5% less
road fatalities



Congestion
costs are
1% of GDP



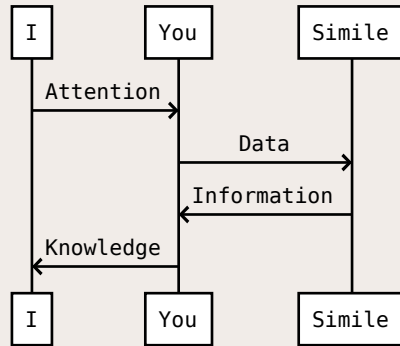
16% less
less energy used

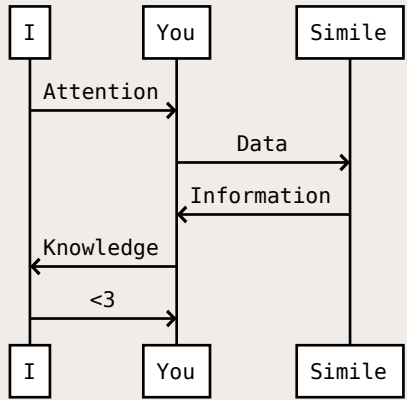


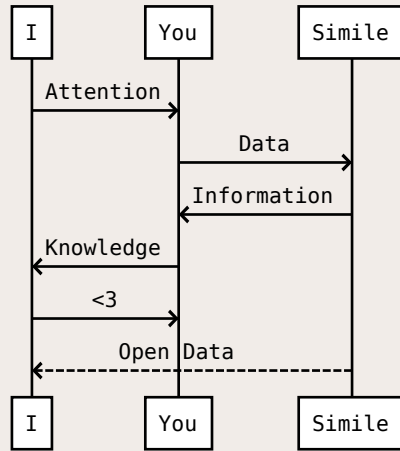
europeandataportal.eu

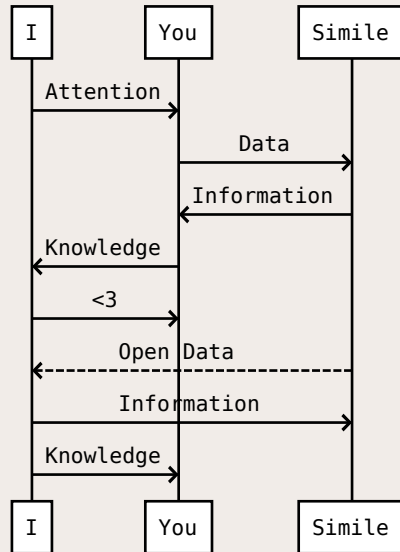
Attention Shoppers

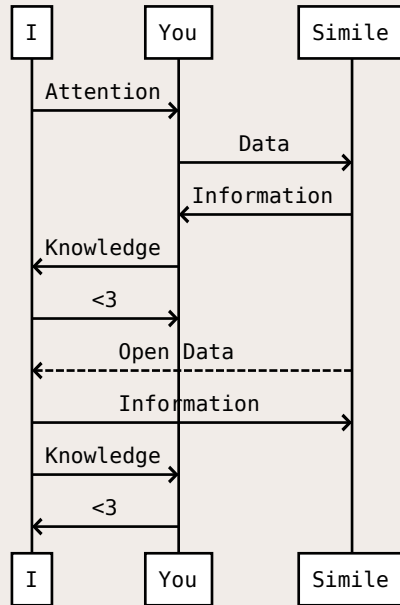












Wie *zugänglich* und *vertrauenswürdig* sind unsere Wissensfilter?



OPEN DATA

“Wissen ist offen, wenn jedeR darauf frei zugreifen, es nutzen, verändern und teilen kann – eingeschränkt höchstens durch Maßnahmen, die Ursprung und Offenheit des Wissens bewahren..”

-- [The Open Definition](#)



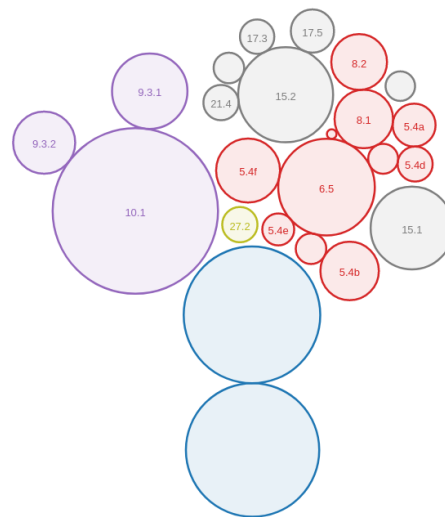
OPEN KNOWLEDGE
INTERNATIONAL

- **Open** up all *essential, public interest information*
- Use insights from open information to drive positive **change**
- **Build** communities, tools and skills to empower *individuals and organizations*

% Kanton Bern: Sparmassnahmen der Angebots- und Strukturüberprüfung 2014



Geld Stellen Topf 1 Topf 2 2014 2015 2016 2017 Direktionen Massnahmen



Legende

make.opendata.ch

Direktionen

Begriffe

Daten

steuern



Suche zurücksetzen

Kategorien

- Finanzen 26
- Verwaltung 4
- Arbeit, Erwerb 2
- Raum und Umwelt 2
- Bevölkerung 2
- Politik 2
- Mobilität und Verkehr 2
- Volkswirtschaft 2
- Bau- und Wohnungswesen 2
- Land- und Forstwirt... 2

Zeige mehr Kategorien

Schlagwörter

- gemeinden 22
- bezirke 21
- gemeindefinanzen 20
- gemeindesteuern 9
- steuern 5
- gesundheit 3
- quartier 2
- grundsteuern 2

34 Datensätze gefunden

Sortieren nach Relevanz

Beurteilung der kantonalen Steuern

Verwaltung

Der Indikator zeigt auf einer 3-stufigen Likert-Skala wie die Basler Wohnbevölkerung die Steuerentwicklung im Kanton beurteilt. Datengrundlage ist die kantonale Bevölkerungsbef...

tab-separated-values

Nettoaufwand Finanzen und Steuern [Fr./Einw.]

Finanzen

Bruttoaufwand der Laufenden Rechnung - Bruttoertrag der Laufenden Rechnung. Aussage: Durch Steuern zu finanzierender Anteil des betreffenden Hauptaufgabenbereichs.

CSV

Gesamtaufwand o. Finanzen u. Steuern [Fr./Einw.]

Finanzen

Bruttoaufwand der Laufenden Rechnung - Bruttoertrag der Laufenden Rechnung. Aussage: Durch Steuern zu finanzierender Anteil des betreffenden Hauptaufgabenbereichs.

CSV



BY

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- You **may** use this dataset for commercial purposes.
- You are **recommended** to provide the source (author, title and link to the dataset).



Open use. **Must provide the source.**

- You **may** use this dataset for non-commercial purposes.
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opendata.swiss



- < Karten
- Landeskarten**
- Landeskarte 1:25000
 - Landeskarte 1:50000
 - Landeskarte 1:100000
 - Landeskarte 1:200000
 - Generalkarte 1:300000
 - Landeskarte 1:500000
 - Landeskarte 1:1 Million**
 - Swiss Map Raster >
 - Swiss Map Vector >

Landeskarte der Schweiz 1:1 Million

Die Schweiz und das benachbarte Ausland von Lyon bis Salzburg und von Strassburg bis Genua auf einer handlichen Übersichtskarte



Ausgabe 2012

Ob für Reisende, Entdecker oder geografisch Interessierte – dank der Karte geht der Überblick nicht verloren.

- Deutliche Darstellung der Geländestruktur dank anschaulichem Relief.
- Abbildung der Gletscher.
- übersichtliche Darstellung der wichtigen Verkehrsachsen.
- Auswahl der wichtigsten Ortschaften.
- Die Schweiz und das benachbarte Ausland handlich auf einem Blatt.
- Zwei Übersichtskarten mit Bezeichnung der Länder, Kantone und weiteren administrativen Einheiten.
- Gefalzt und ungefalzt lieferbar.

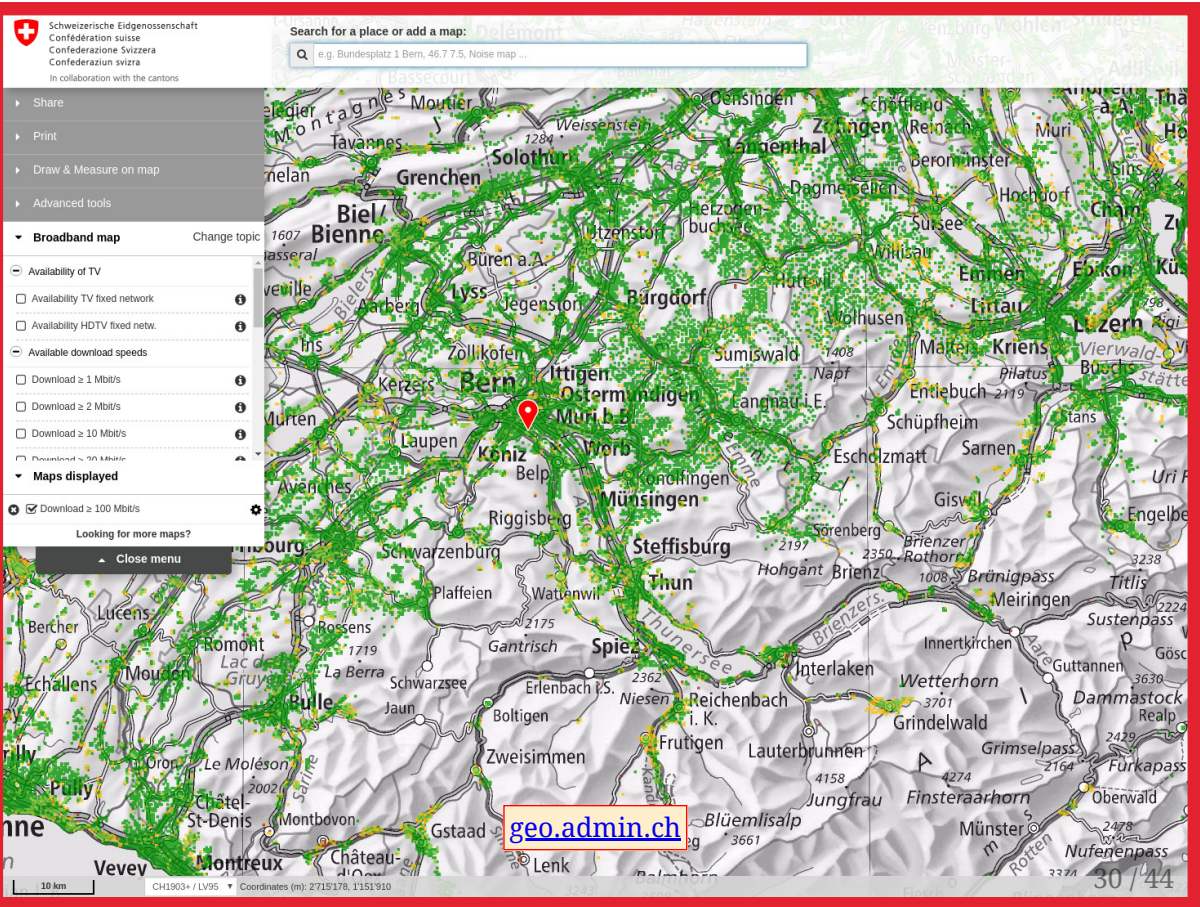
Sie sind nicht eingeloggt.
[Anmelden](#)

Keine Artikel im Warenkorb
[Warenkorb](#)

Kontakt

Bundesamt für
Landestopografie
Seftigenstrasse 264
3084 Wabern

Telefon +41 58 469 01 11
E-Mail shop@swisstopo.ch



National Map 1:500'000

Last updated
December 31, 2016



Organization
Federal Office of Topography
swisstopo

Categories
Geography, Territory and environment

Description

The National Map 1:500,000 is a topographic map giving an overview of Switzerland. The map content is updated periodically in a regular six-year cycle according to a revision plan. The National Map 1:500,000 is published in analogue format as a printed map and in digital format as the Swiss Map Raster. The printed map is available folded and unfolded. The Swiss Map Raster is the digital National Map 1:500,000 and is delivered as a georeferenced TIF file (raster format). The map content is separated into individual colour layers with no direct bearing on the individual map elements. The pixel map is available as a colour combination corresponding to fixed swisstopo standards (254 dpi and 508 dpi) or separated as colour layers (binary file 508 dpi).

traffic-network national-map general-map terrain-representation topographic-map conservation-and-ar... official-geodata border cartography water-geographic

Resources

 [Download ZIP-File](#)

 [More information](#)  [Download](#)



Messwerte an Stationen

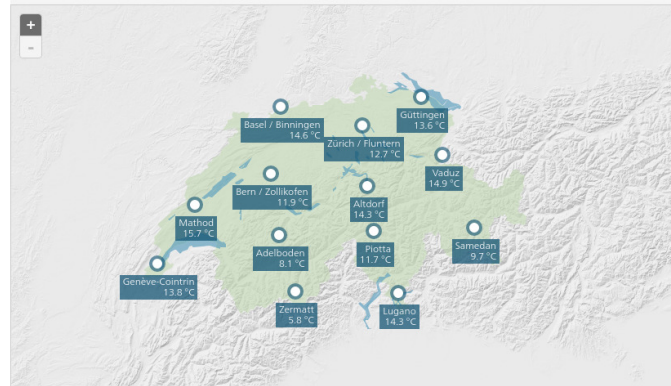
Datenverfügbarkeit

Föhnindex

Messwerte an Stationen

Seite drucken

- Temperatur
- Wind
- Schnee
- Sonnenschein
- Luftdruck
- Föhn
- Niederschlag
- Luftfeuchtigkeit



Schneemessungen

MeteoSchweiz betreibt ein manuelles Niederschlagsmessnetz: An den Schneemess-Stationen wird von Beobachterinnen und Beobachtern einmal täglich die Neuschneehöhe der letzten 24 Stunden und die Gesamtschneehöhe abgelesen. Sie übermitteln die Daten per SMS an MeteoSchweiz.

Data SwissMetNet (SMN)

Last updated
August 26, 2013



Organization
Federal Office of Meteorology and
Climatology MeteoSwiss

Categories
Geography, Territory and
environment

Description

current 10-min values of the following meteorological parameters: temperature, sunshine duration, precipitation, wind, pressure, rel. humidity

climatology weather meteorological-para... meteorology climate meteorological-geog... atmospheric-conditions

Resources

- ZIP [Download](#) [More information](#) [Download](#)
- TXT [Download](#) [Preview](#) [Download](#)

Additional information

Identifier	3e145cfb-b0d8-4237-afbb-a1ce6089ae75@bundesamt-fur-meteorologie-und-klimatologie-meteoschweiz
Issued date	August 26, 2013
Modified date	-
Publishers	Bundesamt für Meteorologie und Klimatologie
Contact points	kundendienst@meteoschweiz.ch
Languages	German

Bereit, Open Data zu veröffentlichen?

handbook.opendata.swiss bietet Unterstützung für Personen und Organisationen, die Open Government Data veröffentlichen wollen. Das Handbuch steht in einer Beta-Version zur Verfügung. Verbesserungsvorschläge und Fehlermeldungen sind sehr willkommen.

Themen durchsuchen...



 Bibliothek



Identifizieren

Daten zur Freigabe ermitteln

Was ist Open Government Data (OGD)?

Welche Daten gibt es in meiner Organisation?

Daten-Inventarisierung



Vorbereiten

Rechtliche Grundlagen

Rechtliche Vorprüfungen

Nutzungsbedingungen auswählen



Publizieren

Als Open Data veröffentlichen

Publikationsvariante wählen

Publikation

Daten-Hosting



Supporten

Die Verwendung unterstützen

Harvester

handbook.opendata.swiss

Home / Datasets / Create Dataset

What's a resource?

A resource can be any file or link to a file containing useful data.

1 Create dataset

2 Add data

URL:

Data:

Name:

Description:

You can use Markdown formatting here

Format:

i This will be guessed automatically. Leave blank if you wish

datahub.io

Previous

Save & add another

Finish



Das Thema Open Data bewegt eine grosse Vielfalt von Akteuren in Behörden, Medien, Firmen und der wachsenden Schweizer Community einzelner Entwickler, Designer und Aktivisten. Die Dynamik ist da, der politische Wille entsteht, den Austausch findet statt.

Community

Transport

Swiss public transport API

The backend of the Transport API changed on 31 July 2017. [Read more on opendata.ch](#).

Introduction


The Transport API allows interested developers to build their own applications using public timetable data, whether they're on the web, the desktop or mobile devices. The aim of this unofficial API is to cover public transport within Switzerland. The API uses a web service provided by [search.ch](#).

If you are looking for an officially supported source or need to download all data e.g in GTFS format, please check [opendata.swiss](#).

The source code of the Transport API can be found on [GitHub](#), please ask any technical questions there. If you need a direct contact write an email to transport@opendata.ch.

In order to be kept update on the future development of this API, please subscribe to our low-traffic [Google Group](#).

 Documentation

 Examples

 Showcase

 Status

 Statistics

Powered by [Opendata.ch](#)

transport.opendata.ch

29:06:57:19

</>

Mehrsprachigkeit - Plurilinguisme - Plurilinguismo - Plurilinguitad 4.0

November 23 - 24, 2018 EPFL, Lausanne

Gestalte die Zukunft der Schweizer
Sprachenvielfalt! Façonne le futur de la diversité
linguistique en Suisse! Dai forma al futuro della
diversità linguistica in Svizzera! Concescha
l'avegnir da la diversità linguistica svizra!

You can find more information on <https://forum-helveticum.ch>

</>

Open Food Hackdays Basel

February 16 - 17, 2018 Alte Markthalle

</>

Agricathon

May 18, 2018 HES-SO Valais-Wallis

Le vendredi 18 mai 2018, la HES-SO Valais-Wallis a organisé un hackathon sur le thème de l'agriculture à Sierre. Cet événement interdisciplinaire est un marathon de l'innovation d'une journée qui rassemblera agriculteurs, informaticiens, designers et autres curieux de tout bord souhaitant collaborer à la production de prototypes d'outils et de services innovants en lien avec l'agriculture.

</>

[Un]conference 2018

June 3, 2018 - July 3, 2018 Fachhochschule St. Gallen

At the [Opendata.ch/2018](https://opendata.ch) Conference on July 3, 2018, we will set up a community showcase, supported by «IT rockt!», of new and upcoming open datasets and projects. These will be collected here and promoted during the month of June. At the conference we will have a physical display, as well as opportunities to connect with other attendees for spontaneous meetups around your topic.

</>

Open Food Hackdays Lausanne

January hack.opendata.ch

</>

Open Tourism Data Hackdays

October 27 - 28, 2017 Arosa



Datacentral

Details

License PDDL-1.0
[» Source](#)

Downloads

FOOD-PRODUCTION-CH - CSV • JSON

FIELDS

Area Code -
Area -
Item Code -
Item -
Element Code -
Element -
Unit -
Y1961 - Y2014 -
Y1961F - Y2014F -

Data sources

[Food & Agriculture Organisation \(FAO\)](#)

Crop and Livestock Production in Switzerland

DETAILED COUNTRY-LEVEL PRODUCTION DATA PER AGRICULTURAL COMMODITY, INCLUDING LIVESTOCK, GRAINS, AND SO ON. 173 DISTINCT CATEGORIES, YEARLY DATA SINCE 1960

Detailed country-level production data per agricultural commodity, including livestock, grains, and so on. 173 distinct categories, yearly data since 1960.

DATA

This data has been obtained and aggregated from [Food & Agriculture Organisation \(FAO\)](#).

Background links at fao.org on:

- [crops](#)
- [livestock](#)
- [abbreviations](#)

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Refreshed 2017-02-10 12:33:37

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Swiss Chapter of  [Open Knowledge](#)

food.opendata.ch

Online Courses

The School of Data aims to make your learning experience as tailored as possible through independent learning modules. Learning modules are all stand-alone and can be taken in any order. To make your learning experience easier, we curated modules into a series of courses - with a focus on data basics as well as specific skills. When you identified the course you're interested in click on "Show Modules" to see all modules you might want to take.

Essentials

Data Fundamentals

Data Cleaning

Exploring Data

Extracting Data

Mapping

Collecting data

Presenting Data

Essentials

The key skills to understand, manage and work with data.

Data Fundamentals

The Data schoolofdata.ch provide a solid overview over the workflow with data guiding you from what data is, to how to make your data tell a story. The courses listed below should be seen as a whole, a quick overview of the elements

Processing, publication, access, insight. The future of data is frictionless.



Specifications

Lightweight containerisation formats for data that provide a minimal yet powerful foundation for data publication, transport, and consumption.

[Go to specifications](#)



Software

Apps and integrations that make it easy to integrate Frictionless Data specifications into your data publication, access, and analysis workflows.

[Go to software](#)



Case Studies

Labs, libraries, governments, and companies are using Frictionless Data in their data workflows to reduce grunt work and move faster to insight.

[Go to articles](#)

frictionlessdata.io

"Where there is perfect certainty, there is no information: there is nothing to be said."

-- [J Soni & R Goodman](#)

Thanks for not closing

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