Visualizing Data for Policy-Making
EU Open Data Days 2021

Benjamin Wiederkehr
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Interactive Things
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Hi, we’re Interactive Things, a design and development studio for human data interaction.
Three Jobs of Data Visualization
Helping people to find, understand, and share insights in data.

Discovery
We help people search for significant facts within data to discover meaningful insights.

Understanding
We help people make sense of data to better understand the world around them.

Communication
We help people convey insights to others to raise comprehension, awareness, and engagement.
Does discovering insights, understanding what they mean, and sharing them with others play a role in the policy-making cycle? You bet.
Discovery

Search for significant facts within data to discover meaningful insights.
Going Digital Toolkit
Data platform to help countries realise the promises of the digital transformation.

Client
OECD
Release
March 2019
Services
Interaction Design, Interface Design, Information Design, Data Visualization, Software Engineering
Credits
Christoph Schmid, Luc Guillemot, Tomas Carnecky, Solange Vogt, Jeremy Stucki, Flore de Crombrugghe
Link
goingdigital.oecd.org
Going Digital Toolkit

The Going Digital Toolkit helps countries assess their state of digital development and formulate policy strategies and approaches in response. Data exploration and visualisation are key features of the Toolkit.
Use

The power and potential of digital technologies and data for people, firms and governments depends on their effective use.

- Internet users as a share of individuals
- Share of individuals using the Internet to interact with public authorities
- Share of Internet users who have purchased online in the last 12 months
- Share of small businesses making e-commerce sales in the last 12 months
- Share of adults scoring level 2 or above for problem-solving in technology-rich environments

Source: OECD

How to read the visualisation

Highlighted country: Luxembourg
Reference value: OECD
Share of individuals using the Internet to interact with public authorities

Description

Individuals using the Internet to interact with public authorities, as a percentage of all individuals aged 16-74 years. Measured interactions range from simply obtaining information from government websites to interactive procedures where completed forms are sent via the Internet. Excludes manually typed e-mails. It should be noted, however, that the need to submit forms, as well as the availability of online submission channels, varies between countries. Public authorities refers to public services and administration activities at the local, regional or national level.
Countries

Do you know how your country’s state of digital development compares? Find out by exploring the Going Digital indicators and OECD policy insights.
The ability to independently inspect the visualization and discover insights will empower the audience to **ask questions**, **find answers**, and **draw conclusions**.
Understanding

Make sense of data to better understand the world around us.
Wellbeing in Germany
Data-driven government report on the wellbeing of German citizen.

Client: German Federal Government
Release: October 2016
Services: Interaction Design, Interface Design, Data Visualization, Software Engineering, Content Management
Credits: Benjamin Wiederkehr, Christoph Schmid, Ece Kavlak, Jeremy Stucki, Tania Boa, Thomas Preusse, Tomas Carnecky
Link: gut-leben-in-deutschland.de
Wellbeing in Germany

With its "Wellbeing in Germany – what matters to us" initiative, the federal government is turning its attention to the issue of wellbeing. It is designed to share ideas and approaches with other countries, and the government is proposing to work towards three pillars of wellbeing: physical, mental and social.
Healthy throughout life

Being and staying healthy – this is wellbeing, according to people who took part in the national dialogue. A strong healthcare system that provides everyone with good medical care, whether they live in the city or the country. Short waiting times for appointments with specialists, irrespective of whether they have public or private health insurance.

“Health is the most important thing, of course – as well as sufficient possibilities for maintaining one’s health by means of an effective health care system that offers either...
Discover the regional differences.
Understanding

The structure of a narrative provides your audience with the necessary guidance to understand context and allows you as the author to gradually reveal insights.
Communication

Convey insights to raise comprehension, awareness, and engagement.
visualize.admin.ch
Open data platform and chart creator to inform the public about the state and development of the environment.

Client
Swiss Federal Office for the Environment

Release
March 2020

Services
Interface Design, Interaction Design, Data Visualization, Software Engineering

Credits
Annina Walker, Bartosz Prusinowski, Jan Wächter, Jeremy Stucki, Luc Guillemot, Patrick Brown, Solange Vogt

Link
visualize.admin.ch
Visualize Swiss Open Government Data

Create and embed visualizations from any dataset provided by the LINDAS Linked Data Service.

Create a visualization

Visualize data in just a few steps...
<table>
<thead>
<tr>
<th>Year</th>
<th>Forest zone</th>
<th>Canton</th>
<th>Type of owner</th>
<th>Variable</th>
</tr>
</thead>
<tbody>
<tr>
<td>1975</td>
<td>Switzerland</td>
<td>Switzerland</td>
<td>Type of owners - Total</td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>Switzerland</td>
<td>Switzerland</td>
<td>Private forest</td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>Switzerland</td>
<td>Switzerland</td>
<td>Public forest</td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>Switzerland</td>
<td>Switzerland</td>
<td>&gt;&gt;Federal forest</td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>Switzerland</td>
<td>Switzerland</td>
<td>&gt;&gt;Cantonal forest</td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>Switzerland</td>
<td>Switzerland</td>
<td>&gt;&gt;Municipality forest</td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>Switzerland</td>
<td>Switzerland</td>
<td>&gt;&gt;Bourgeois forest</td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>Switzerland</td>
<td>Switzerland</td>
<td>&gt;&gt;Other public forest</td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>Zürich</td>
<td>Zürich</td>
<td>Type of owners - Total</td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>Zürich</td>
<td>Zürich</td>
<td>Private forest</td>
<td></td>
</tr>
</tbody>
</table>
Forest Area in Switzerland
Change over time of the forest area in Switzerland by forest zone.
Forest owners number

Dataset: Canton (Switzerland), Type of owner (Type of owners - Total)
Dataset: Forest area in Switzerland, in ha by Year, Forest zone, Canton, Type of owner and Variable
Source: Section economical structures and analysis WSA, e-mail: agrar@blf.admin.ch
Download data
Forest Area in Switzerland

Change over time of the forest area in Switzerland by forest zone.

Forest owners number
The option to create and share custom visualizations provides your audience with the possibility to communicate and collaborate with others regarding the insights found in the data.
Discovery

Understanding

Communication
Many Thanks!
Don’t hesitate to get in touch.

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