



12PM

5PM in London (GMT), 2AM in Tokyo (GMT+9)

**Welcome and Introduction by Exhibit
Curators & Advisors**

Moderators: Katy Börner, *Indiana University*

Panelists:

- Lisel Record and Todd N. Theriault, *Indiana University*
- André Skupin, *San Diego State University*
- Boris Eldagsen, *Berlin-based Photographer and Video Artist*
- Benjamin Wiederkehr, *Founding Partner and Managing Director of Interactive Things*

Click [here](#) to learn more about the third decade of the *Places & Spaces* exhibit.

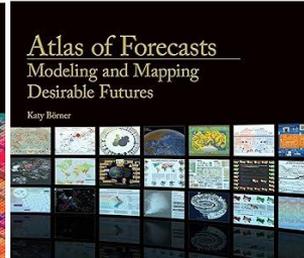
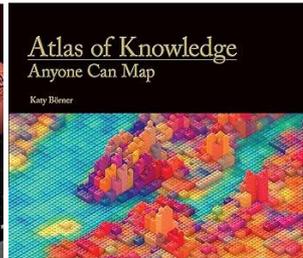
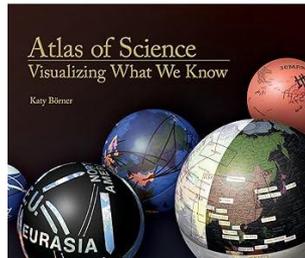


Todd N. Theriault

Upon receiving his MA in 1998, Todd Theriault spent 15 years teaching literature and composition at Indiana University, Miami University of Ohio, the University of Cincinnati, and Xavier University of Ohio. Since 2012, he has been primarily involved with the *Places & Spaces: Mapping Science* exhibit. He is the coauthor of the *Atlas of Macroscopes: Interactive Data Visualizations* (MIT Press 2025).



1st Decade of *Places & Spaces:* 100 Maps (2005-2014)



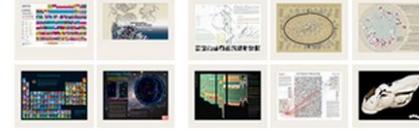
Iteration I (2005)

The Power of Maps



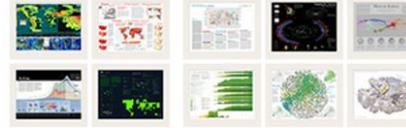
Iteration II (2006)

The Power of Reference Systems



Iteration III (2007)

The Power of Forecasts



Iteration IV (2008)

Science Maps for Economic Decision Makers



Iteration V (2009)

Science Maps for Science Policy Makers



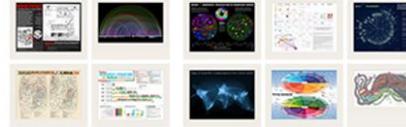
Iteration VI (2010)

Science Maps for Scholars



Iteration VII (2011)

Science Maps as Visual Interfaces to Digital Libraries



Iteration VIII (2012)

Science Maps for Kids



Iteration IX (2013)

Science Maps Showing Trends and Dynamics



Iteration X (2014)

The Future of Science Mapping





101st Annual Meeting of the Association of American Geographers, Denver, CO.
April 5th - 9th, 2005 (First showing of Places & Spaces)



University of Miami, Miami, FL.
September 4 - December 11, 2014.

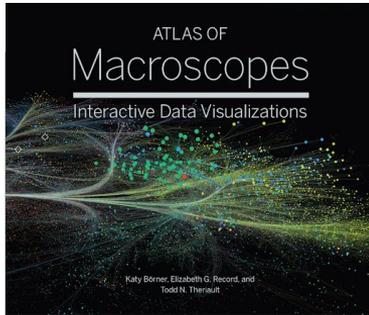


The David J. Sencer CDC Museum, Atlanta, GA.
January 25 - June 17, 2016.



Duke University, Durham, NC.
January 12 - April 10, 2015

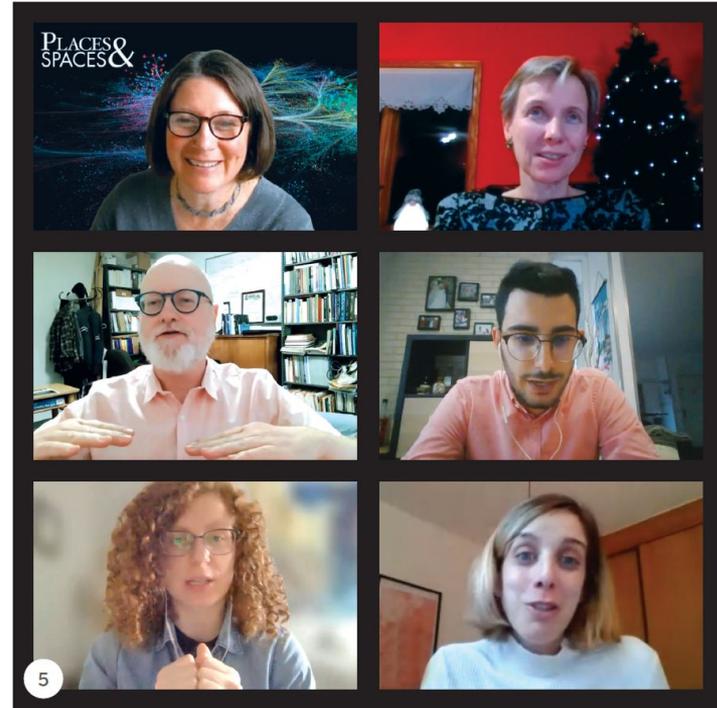
2nd Decade of *Places & Spaces:* 40 Macroscopes (2015-2024)







① Understanding the world through data at the Mundaneum's Mapping Knowledge exhibit in June, 2015;
② Kalev Leetaru, creator of the *Mapping Global News* macroscope, prepares for his interview, 2016;
③ *Nature 150* designer Alice Grishchenko discusses bringing the worlds of art and science together, 2021;
④ Visitors engaging with the Macroscope Kiosk at the David J. Sencer CDC Museum, 2015.



Advisory Board

The pieces that make up the *Places & Spaces* exhibit are chosen annually in a process that begins with a call for submissions. Then, the team of international reviewers and exhibit advisors shown below work with the Indiana University exhibit team to select the most insightful and innovative submissions. The Indiana University exhibit team benefits greatly from the expert input it receives from this international advisory board.



André Skupin
Associate Professor of Geography
San Diego State University



Benjamin Wiederkehr
Founding Partner and Managing Director
Interactive Things



Bonnie Jean DeVarco
Media X Distinguished Visiting Scholar
Stanford University



Boris Eldagsen
Berlin-based Photographer and Video Artist
"PSEUDOMNESIA | The Electrician"



Elijah Meeks
Chief Visualization Officer & Co-Founder
Noteable



Francis Harvey
Professor of Visual Communication in Geography at the Leibnitz Institute for Regional Geography
Leipzig University



Gary Berg-Cross
Cognitive Psychologist
SUNY-Stony Brook



Ingo Günther
Professor
Karlsruhe University of Art and Design



Lev Manovich
Professor, The Graduate Center; Director, Software Studies Initiative
City University of New York



Olga Subirós
Curator of Big Bang Data and Founder of Olga Subirós Studio
Olga Subirós Studio



Peter A. Hook
Director and Associate Dean of the Law Library
Washington University



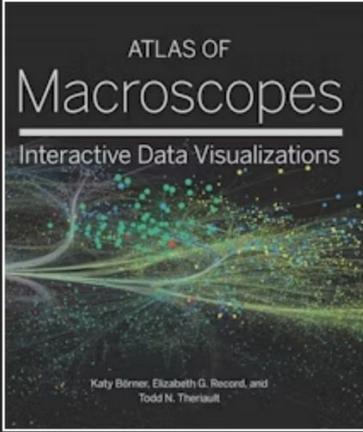
Stephen Miles Uzzo
President & Executive Director
Cape Cod Museum Of Natural History

A4 Book Tour

- 08.06 Budapest, Hungary - Semmelweis University
- 09.11 Africa - African Light Source (virtual)
- 10.06 Vienna, Austria - Complexity Science Hub
- 10.13 Leipzig, Germany - Leibniz Institute for Regional Geography
- 10.16 Berlin, Germany - Berlin Institute of Health
- 10.30 Boston - The Broad Institute
- 11.20 Bloomington - Morgenstern Books
- 12.09 Santiago, Chile - Latin American Bioimaging (virtual)
- 12.13 24h “Envisioning Intelligences” (virtual)
- 12.23 NYC - Queens Library



Morgenstern Books
presents...



ATLAS OF
Macroscopes
Interactive Data Visualizations

Katy Börner, Elizabeth G. Record, and
Todd N. Theriault



Katy Börner



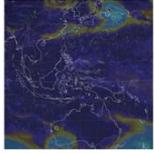
Elizabeth G. Record



Todd N. Theriault

When & Where?
Nov. 20th, 6:00 pm
at Morgenstern Books

2015



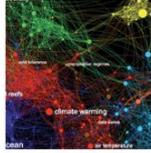
2016



2017



2018



2019



2020



2021



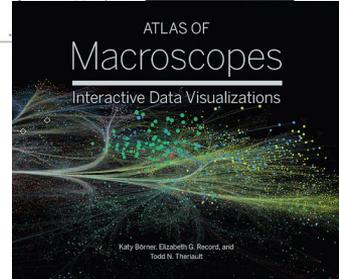
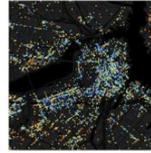
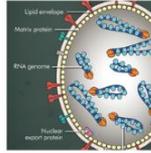
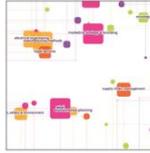
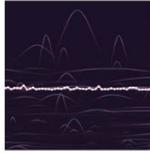
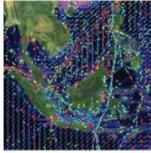
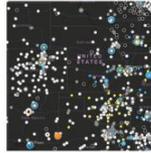
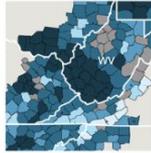
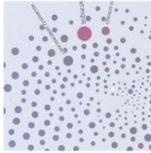
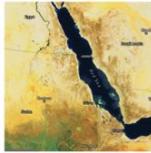
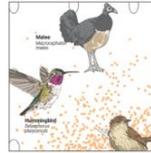
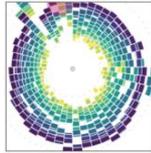
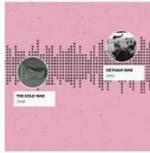
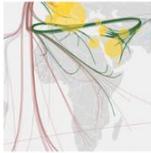
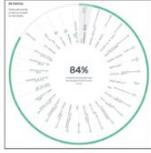
2022



2023



2024



Envisioning Intelligences

Including

- linguistic, kinesthetic, communication, musical, emotional, and other intelligences by biological and technological life forms

with a focus on

- collaboration & coordination across life forms and intelligence types

to inspire discussion about

- existing and future sensors & actuators, memory & reasoning, exploration & communication, plus shared goals & desirable futures.



.master_of_code_global using <https://www.midjourney.com>

Lisel Record

Elizabeth (Lisel) Record has been with CNS since 2013, working originally with the *Places & Spaces: Mapping Science* exhibit and other outreach efforts. With 15 years of curatorial experience at a variety of nonprofit and public institutions, she has extensive experience in the planning and implementation of outreach activities in places of informal science learning. As Associate Director, Lisel also manages Center projects, proposal development, and strategic planning efforts as well as directing outreach activities and working with Center collaborators.



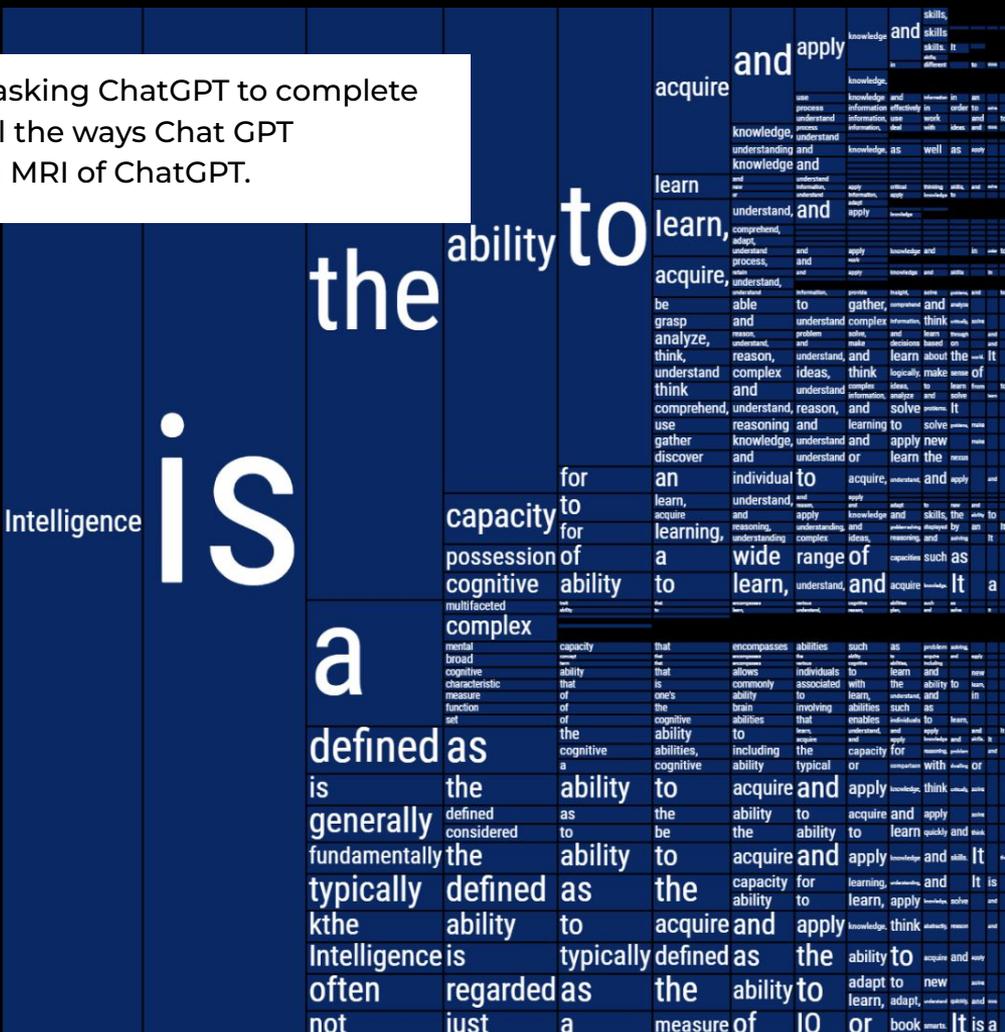
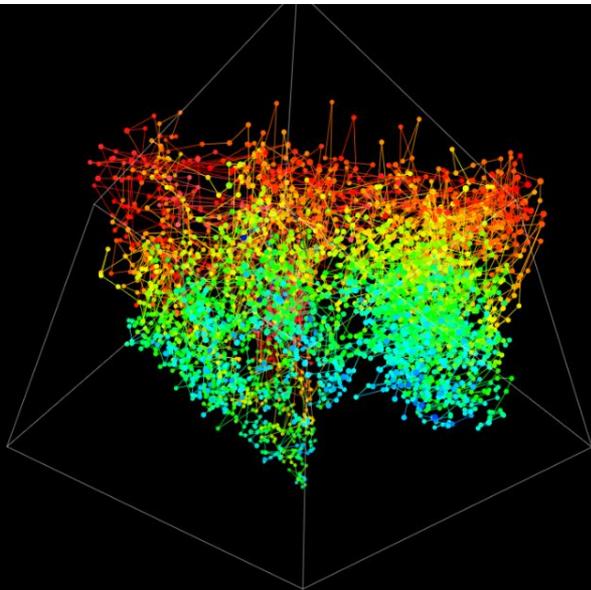
An aerial photograph of a large, gnarled tree with a complex, branching structure, standing out against a dense forest of smaller, greener trees. The tree's trunk and branches are light-colored and highly textured, contrasting with the surrounding dark green foliage. The overall scene is captured from a high angle, looking down on the forest canopy.

an aerial view of a tree in a forest, Perth, Australia



Intelligence has often been considered a uniquely human trait. However, recent developments in the study of plants and animals, as well as breakthroughs in the realm of machine learning, have expanded our understanding of what is intelligent.

Information Having Fun (Mind) visualizes the results of asking ChatGPT to complete the sentence “Intelligence is....” The visualization plots all the ways Chat GPT completes the sentence. Visualizing the results is like an MRI of ChatGPT.



Information Having Fun (Mind)
Santiago Ortiz
interactive visualization



Responsibility was created for Google DeepMind's *Visualizing AI*, a collection of digital art imagining AI's rewards, roles, and responsibilities. It visualizes the push and pull, the mutual effort of humans and machines needed to create intelligent technologies.

Responsibility:
Visualising AI for GoogleDeepMind
Aurora Mititelu
animation

Inspired by her grandmother's cognitive decline, the artist created a custom AI system that transforms fragmented spoken recollections into synthetic visual sequences. Against the backdrop of rising Alzheimer's cases and the emergence of machine-generated false memories, the video reimagines remembrance through the lens of artificial intelligence.

ReCollection:

You Only Have Seven Seconds

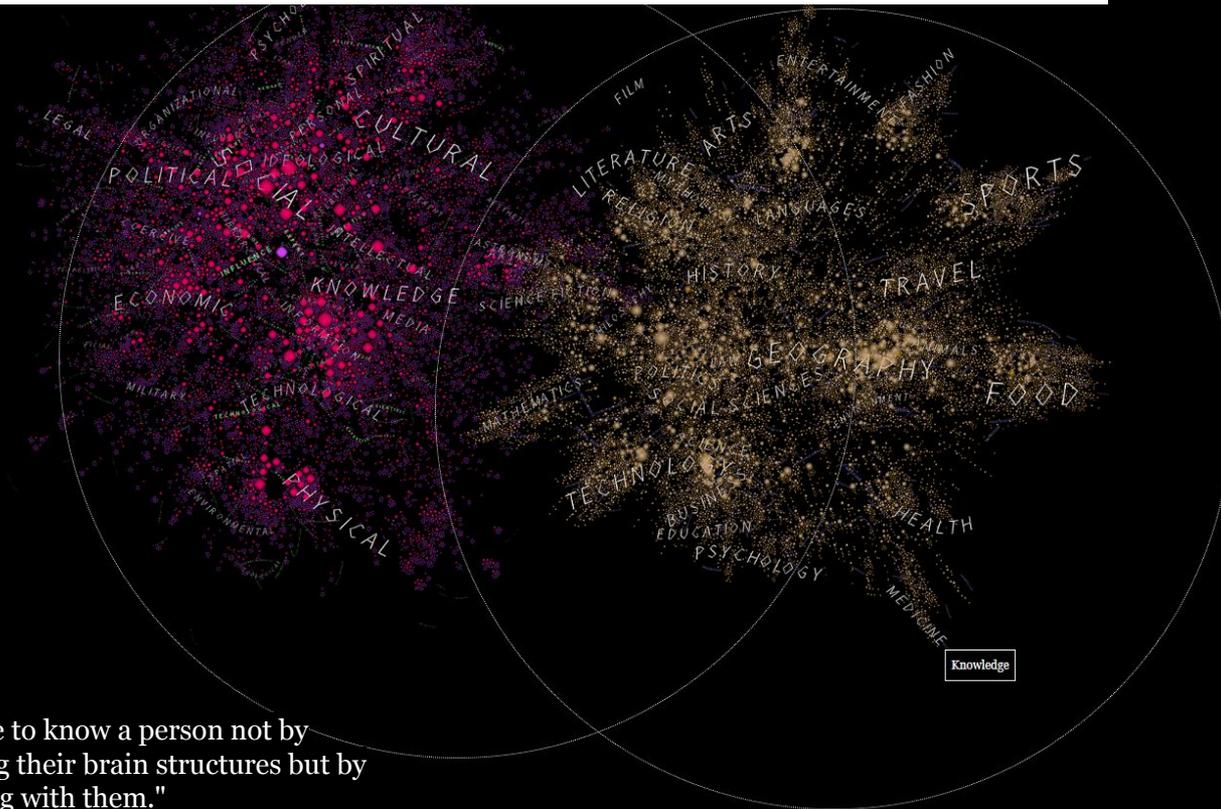
Weidi Zhang, Jieliang (Rodger) Luo

AI art film/cinematic visualization

“मैं अपनी मम्मी पापा के साथ दिवाली मेल आपपे गई थी”

(I went to the Diwali fair with my mom and dad, when I was 5 years old.)

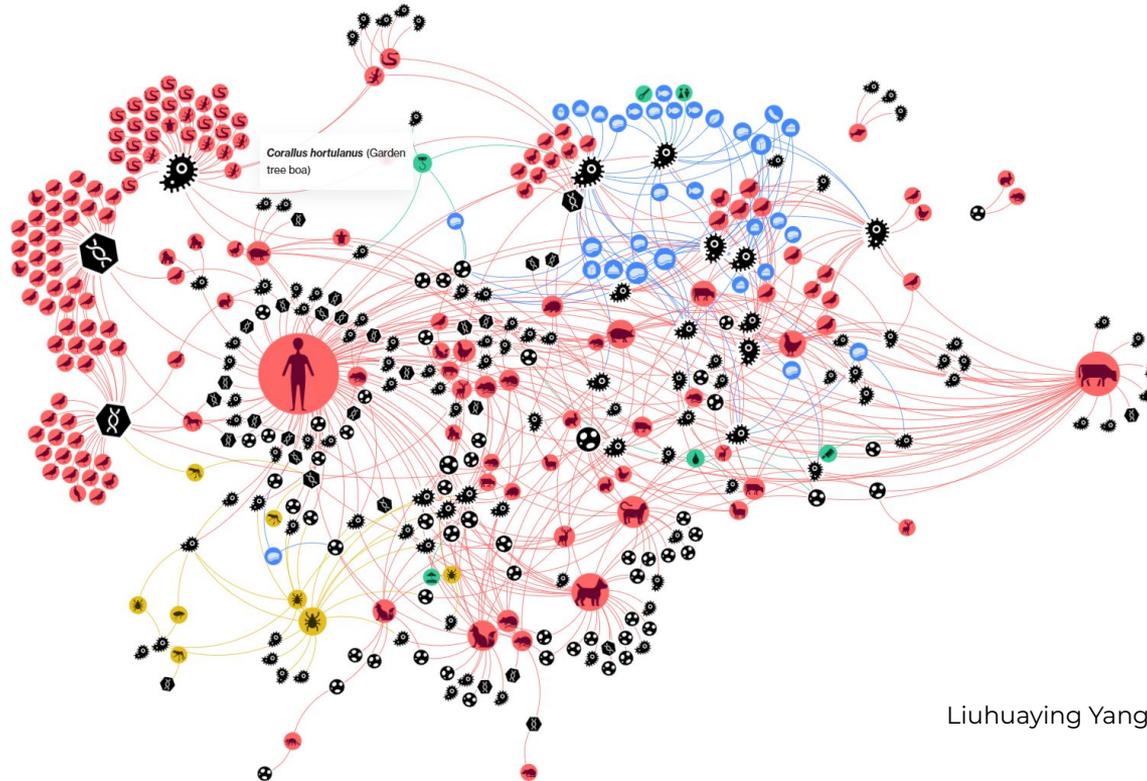
Over the course of 1,764 requests, data artist Kim Albrecht coaxed ChatGPT into defining what constitutes “knowledge” and “power.” The answers it gave reveal a value system.



"We come to know a person not by examining their brain structures but by conversing with them."

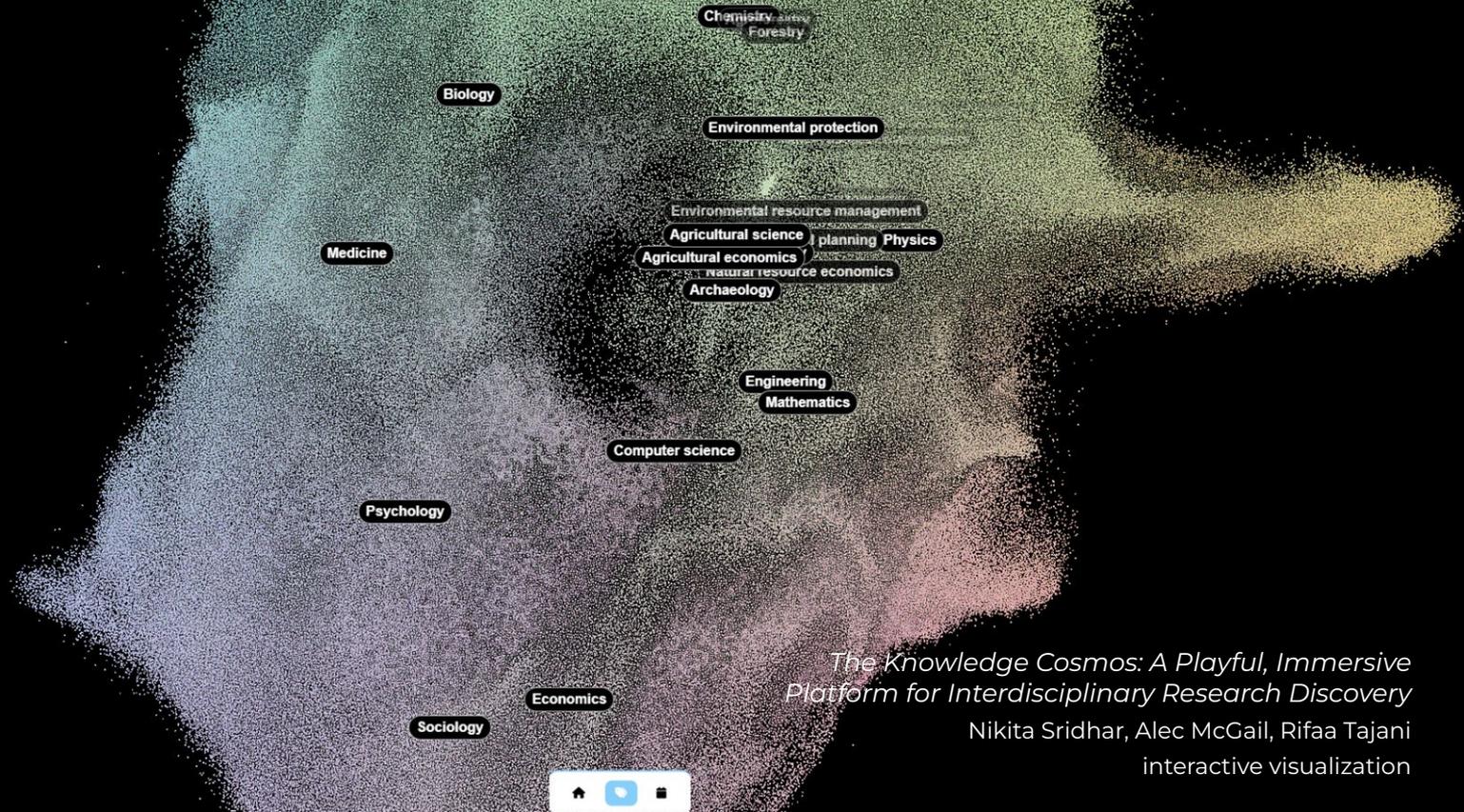
Artificial Worldviews
Kim Albrecht
interactive visualization

This interactive network shows how pathogens navigate between species and through different environments. Visualizing otherwise hidden relationships reveals how microscopic and macroscopic life co-shape disease dynamics.



Zoonotic Web
Liuhuaying Yang, Amélie Desvars-Larrive
interactive visualization

The Knowledge Cosmos is both a tool and an artwork. This immersive, data-driven visualization of 17M papers turns complex research into an explorable universe.



The Knowledge Cosmos: A Playful, Immersive Platform for Interdisciplinary Research Discovery

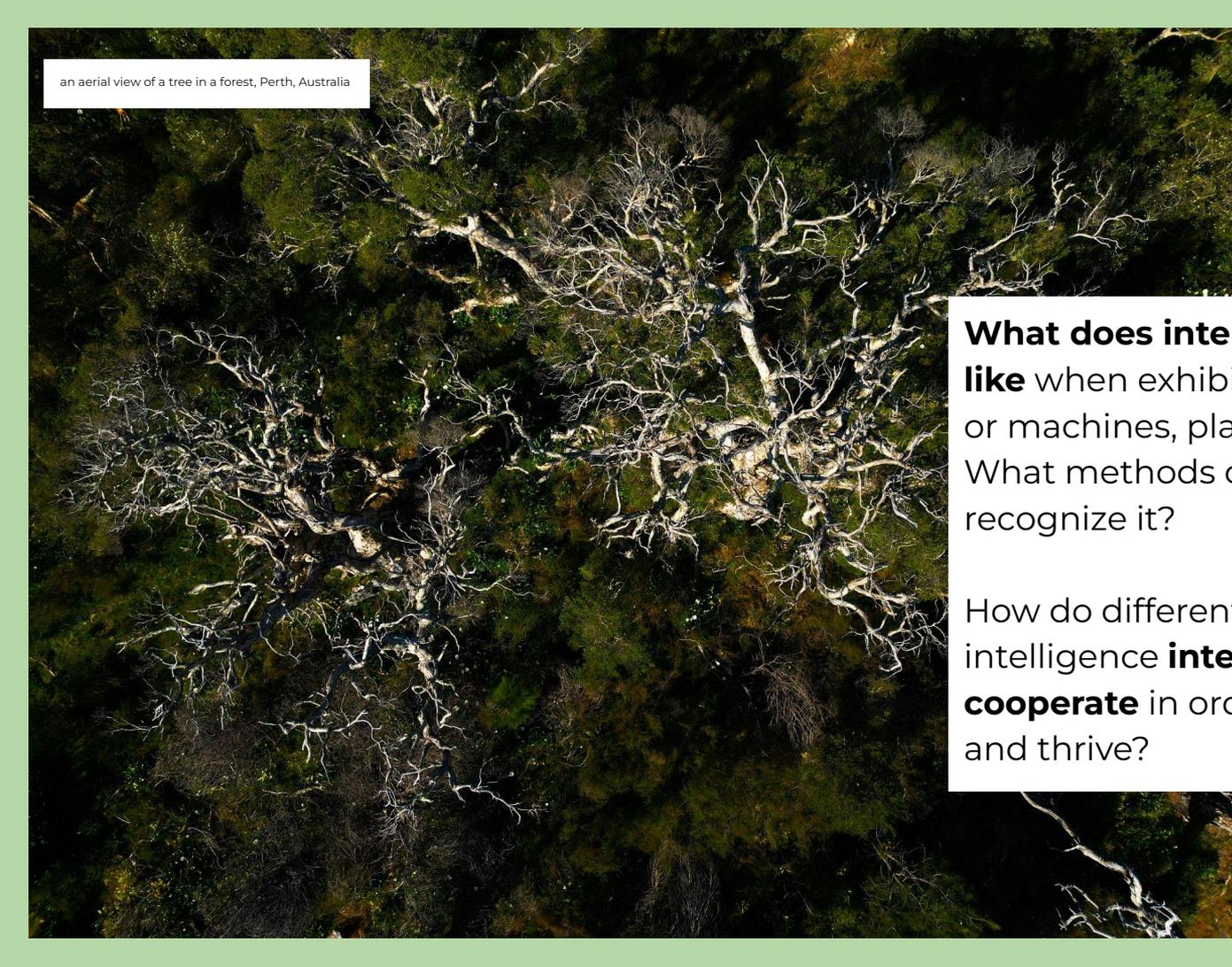
Nikita Sridhar, Alec McGail, Rifaa Tajani
interactive visualization



The internet serves as a vast repository of humanity's collective intelligence. But it also contains our collective hopes, fears, loves, and prejudices. Every day, those aspects of our culture that provoke strong emotions are spread quickly and widely across social media as memes.

The Emotional Echo of Cultural Intelligence

Felix Müller, Christiane V. R. Hütter, Cristian Nogales, Iker Nuñez Carpintero,
Sebastian Pirch, Martin Chietini, Jörg Menche
video and visualization

An aerial photograph of a large, gnarled tree with a complex, branching structure, standing out against a dense forest of smaller trees. The tree's trunk and branches are light-colored and highly textured, contrasting with the dark green foliage of the surrounding forest. The overall scene is captured from a high angle, looking down on the tree and its immediate surroundings.

an aerial view of a tree in a forest, Perth, Australia



What does intelligence look like when exhibited by humans or machines, plants or animals? What methods can we use to recognize it?

How do different types of intelligence **interact and cooperate** in order to survive and thrive?

André Skupin

André Skupin is a Professor of Geography and Co-Director of the Center for Information Convergence and Strategy (CICS) at San Diego State University. He is a classically trained cartographer and a data visualization expert, with three decades of experience in the global analytics market. He received a Dipl.-Ing. Degree in Cartography from the Technical University Dresden, Germany, and a PhD in Geography at the University at Buffalo, United States. Building on wide-ranging expertise in large-scale data analysis, Dr. Skupin has developed novel methods for analyzing human mobility, demographic change, and environmental dynamics. He has also been a thought leader in knowledge analytics, where much of his work has addressed how knowledge artifacts can be analyzed by combining approaches from text mining, machine learning, GIS, and cartography. As co-inventor of several patented technologies and co-founder of a related commercial venture, Dr. Skupin has a strong interest in accelerated transition of technological innovation into diverse application areas, from biomedicine to finance, business management, demography, crime analysis, and environmental monitoring.



André Skupin



Professor of Geography
San Diego State University

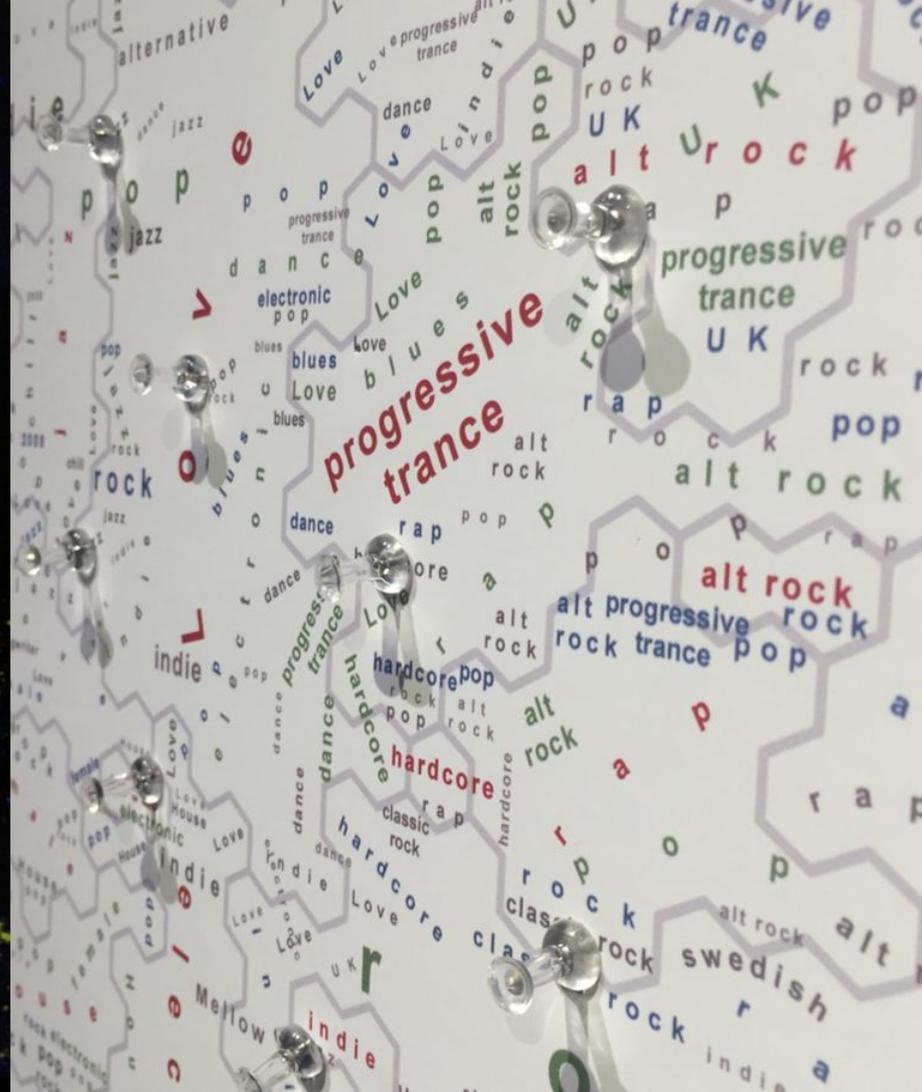


Co-Director
Center for Information Convergence & Strategy
San Diego State University

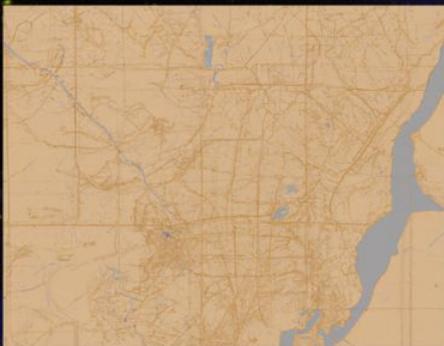
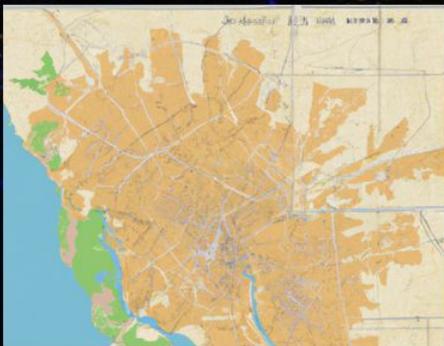
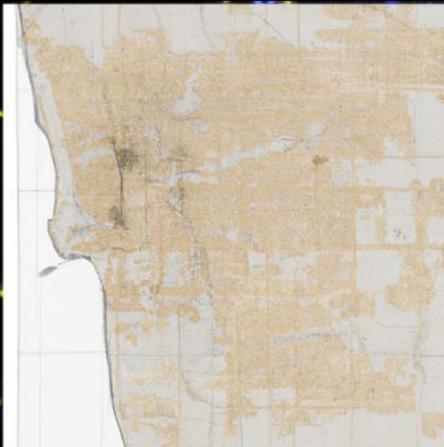


Co-Founder
BigKnowledge

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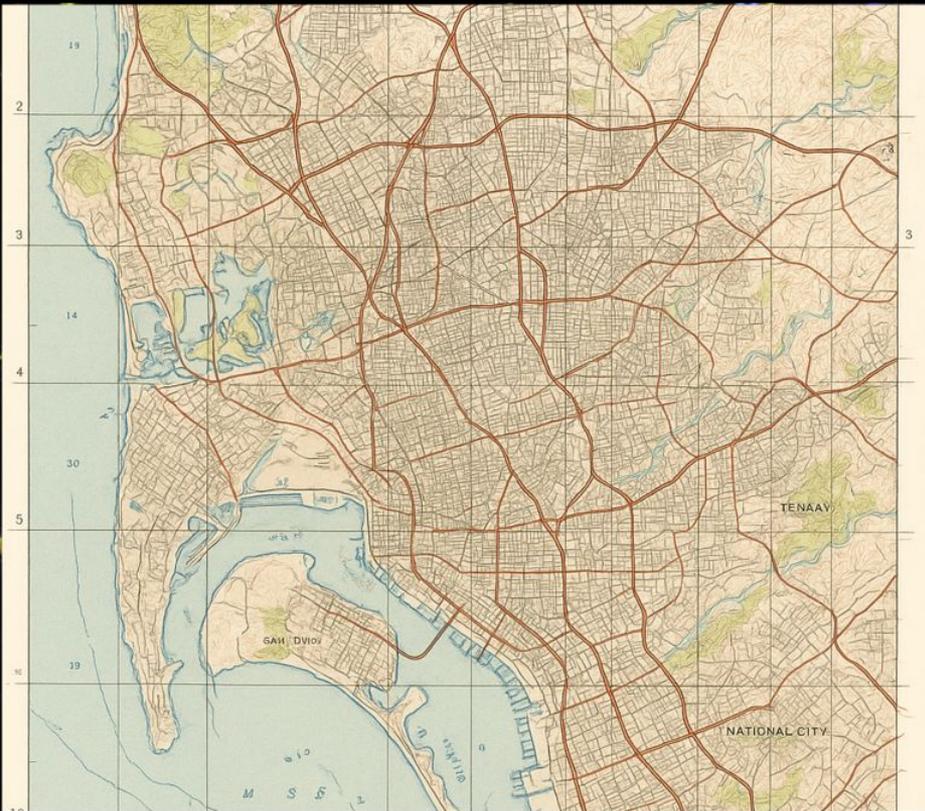
AI for Mapping or Mapping for AI



DALL-E 2 June 2023

DALL-E 3 Oct 2023

AI for Mapping or Mapping for AI



ChatGPT 5.1 Dec 2025

USGS 1979



Ephemeral Objects 2015

There's a Map for That!

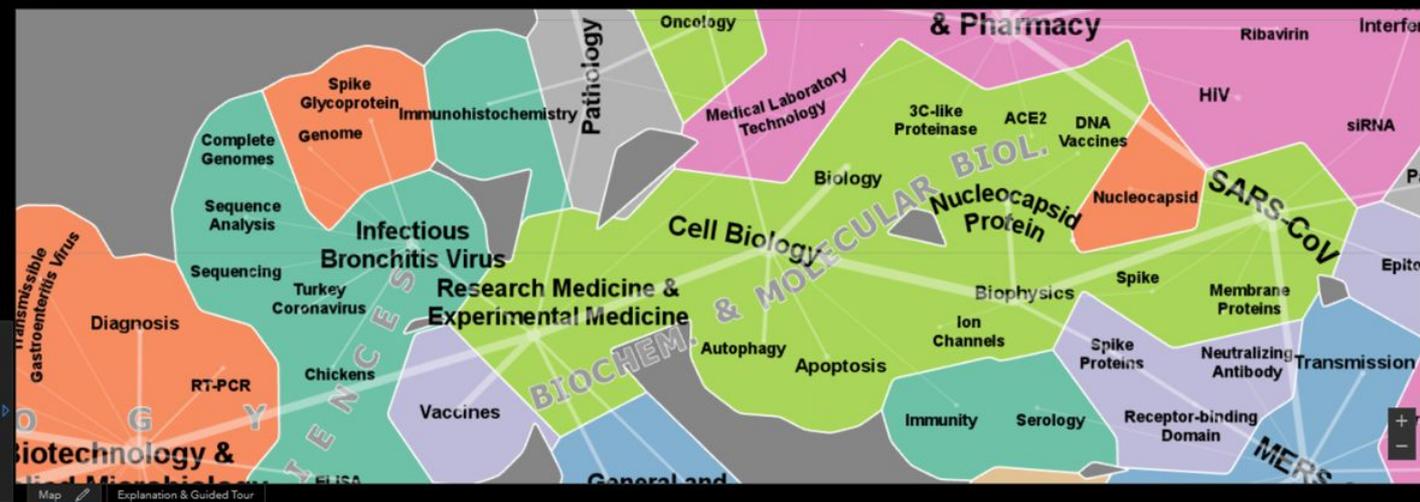
#1 Coronavirus domains and concepts

Home ▾

Coronavirus SoS - Dashboard

Andre ▾

The Science of Coronavirus Research Areas & Concepts



Research Areas and Concepts
Ranked by Centrality

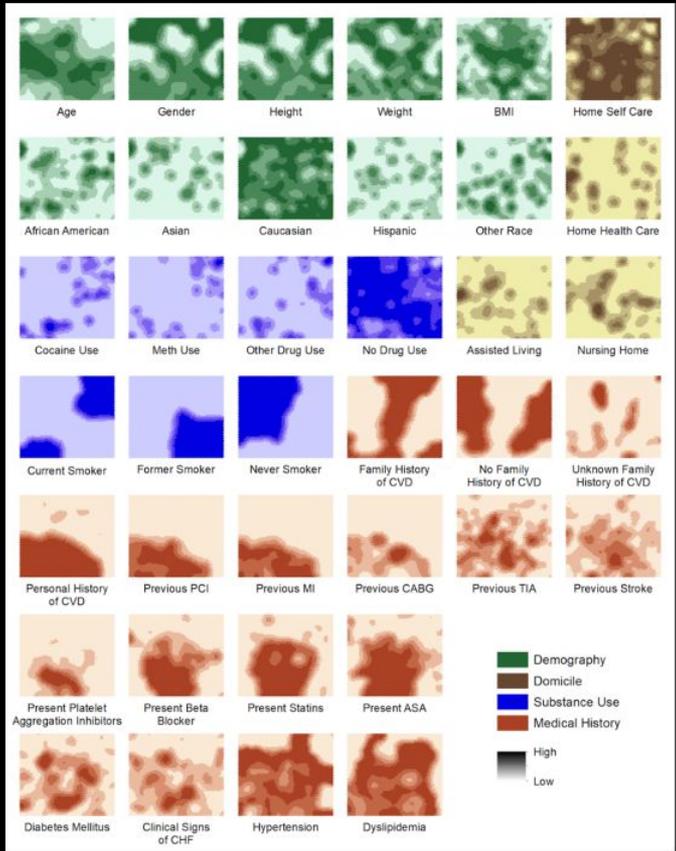
Pharmacology & Pharmacy
SARS-CoV
Biotechnology & Applied Microbiology
MERS-CoV
Multidisciplinary Chemistry
Influenza
Cell Biology
Pediatrics
Pathology
Psychiatry
Neurosciences
Medicinal Chemistry
Critical Care Medicine
Research Medicine & Experimental Medicine
General and Internal Medicine
Pneumonia
Nucleocapsid Protein
Infectious Bronchitis Virus
Biochemical Research Methods
Epidemiology

Cell biology
Configure discipline that studies cells

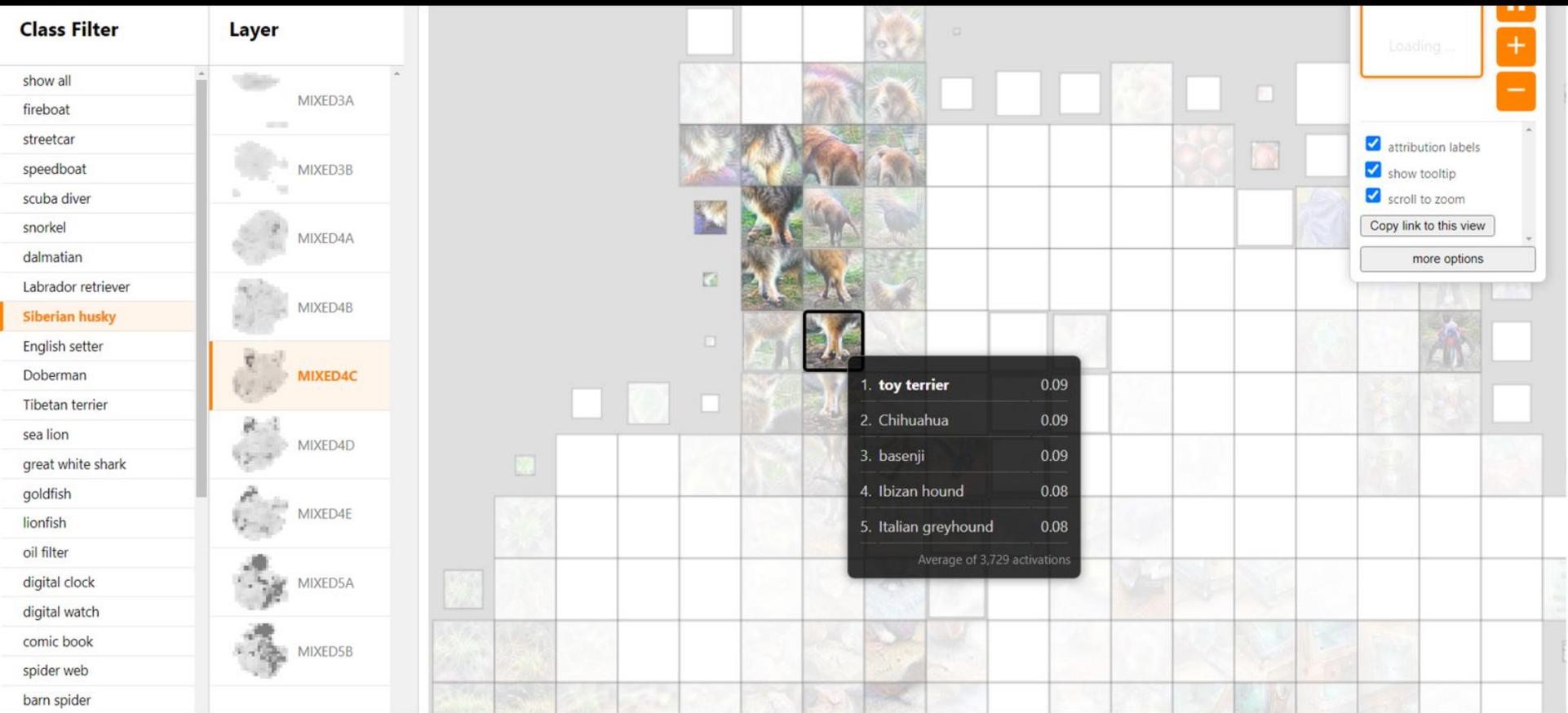
Cell biology is a branch of biology studying the structure and function of the cell, also known as the basic unit of life. Cell biology encompasses both prokaryotic and eukaryotic cells and can be divided into many sub-topics which may include the study of cell metabolism, cell communication, cell cycle, biochemistry, and cell composition. The study of cells is performed using several techniques such as cell culture, various types of microscopy, and cell fractionation. These have allowed for and are currently being used for discoveries and research pertaining to how cells function, ultimately giving insight into understanding larger organisms. Knowing the components of cells and how cells work is fundamental to all biological sciences while also being essential for research in biomedical fields such as cancer, and other diseases. Research in cell biology is interconnected to other fields such as genetics, molecular genetics, biochemistry, molecular biology, medical microbiology, immunology, and cytochemistry.

There's a Map for That!

#2 ST-Elevation Myocardial Infarction



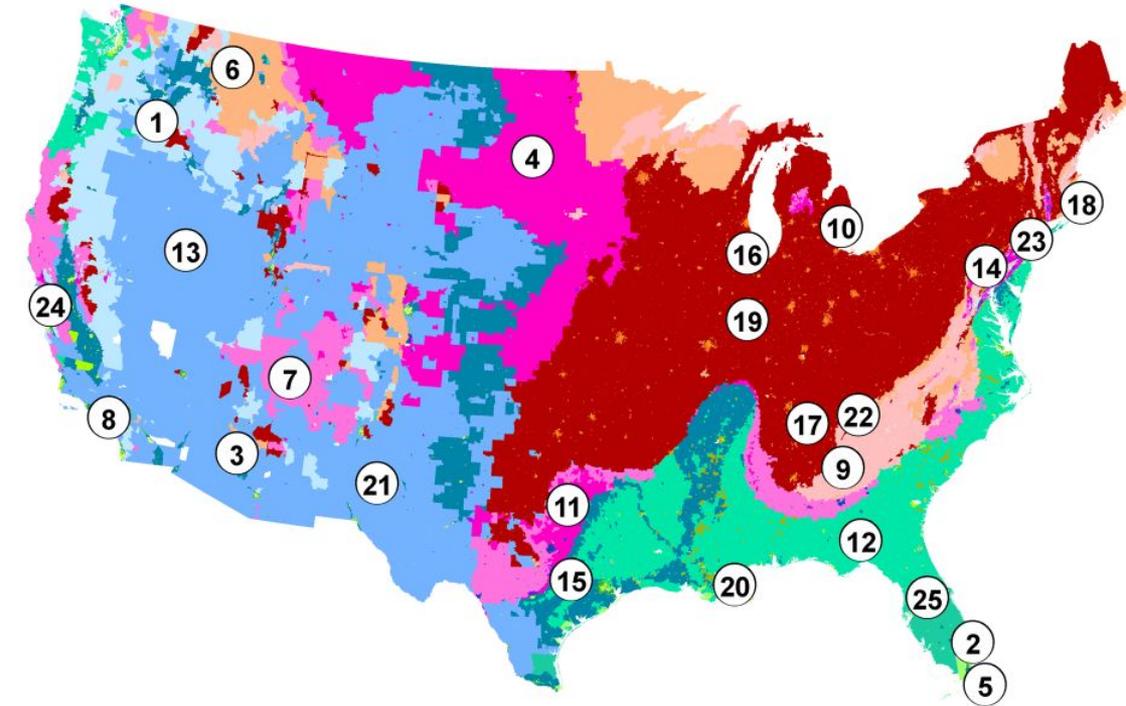
Towards Transparency: eXplainable AI (XAI)



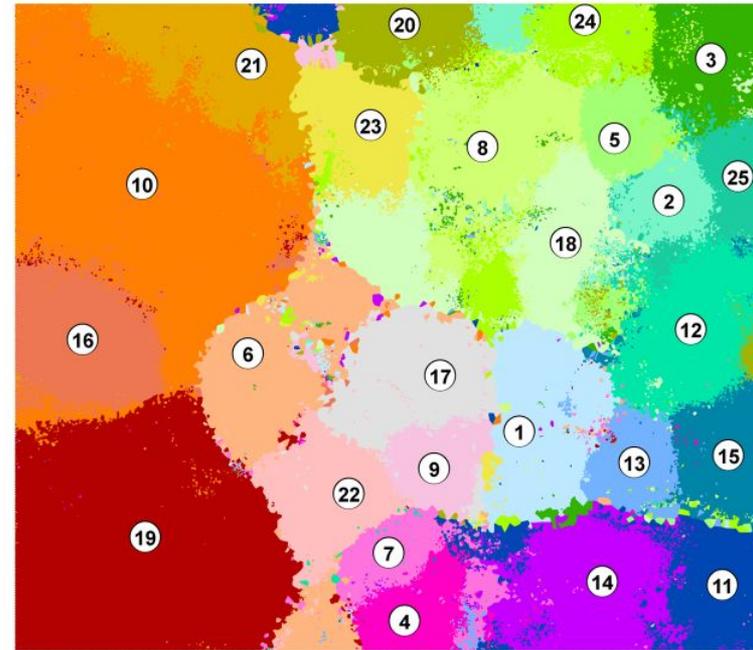
Towards Transparency: eXplainable AI (XAI)



Skupin & Esperbé, 2011



Geographic Space

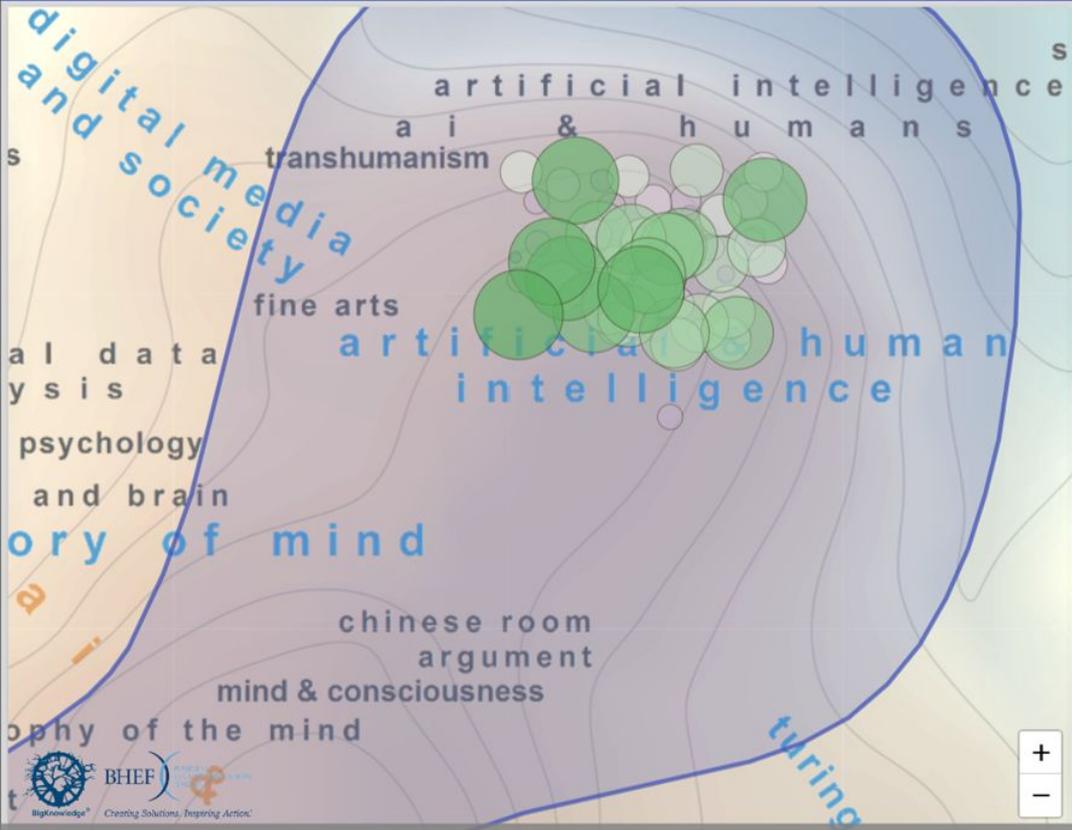


Feature Space

Towards Transparency: eXplainable AI (XAI)



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Tech Data **Wikipedia** Patents Query: Artificial Intelligence - Promi x 🔍

Title	Score
Artificial intelligence	0.441
Roko's basilisk	0.455
Virtual politician	0.462

Items per page: 10 1 - 10 of 100 < >

Roko's basilisk [🔗](#)

AI thought experiment

Roko's basilisk is a thought experiment which states that an otherwise benevolent artificial superintelligence (AI) in the future would be incentivized to create a virtual reality simulation to torture anyone who knew of its potential existence but did not directly contribute to its advancement or development, in order to incentivize said advancement. It originated in a 2010 post at discussion board LessWrong, a technical forum focused on analytical rational enquiry. The thought experiment's name derives from the poster of the article (Roko) and the basilisk, a mythical

More like this



Towards Transparency: eXplainable AI (XAI)



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Data Science & Analytics Analyst Powered by BigKnowledge®

map query ? ⚙️ 🔗

Legend: Pos. (blue circle), Neg. (white circle), All (blue square with X)

Tech Data Wikipedia **Patents** Query Data Science & Analytics

Title	Source	Date	Score
System and method of providing and recording personalized context-specific advice in the form of an artificial intelligence view of a hierarchical portfolio	Cummings, Mark	2022-09-13	-156
Apparatuses, methods and systems for a digital conversation management platform	NEWVALUEXCHANGE LTD.	2022-08-09	-109

Items per page: 10 1 - 8 of 8

System and method of providing and recording personalized context-specific advice in the form of an artificial intelligence view of a hierarchical portfolio
Cummings, Mark

In an intelligent system for providing and recording personalized context-specific financial advice, a method may comprise receiving, from a client device, a request for advice regarding a hierarchical portfolio of assets owned by an investor. The method may further comprise generating, based on the output of a neural network machine learning model, artificial intelligence suggestions for changing the

More like this

Boris Eldagsen

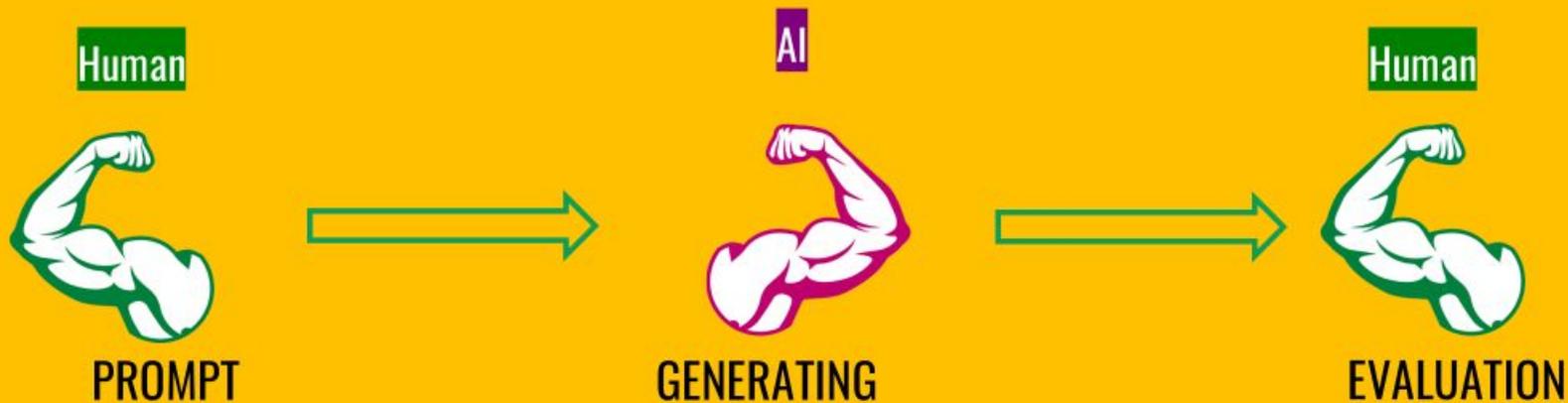


Berlin-based German artist Boris Eldagsen studied photography and visual arts at the Art Academy of Mainz, conceptual art and intermedia at the Academy of Fine Arts in Prague, and fine art at the Sarojini Naidu School of Arts & Communication in Hyderabad, India, and also studied philosophy at the Universities of Cologne and Mainz. His photomedia work has been exhibited internationally at institutions and festivals including Fridericianum Kassel, Deichtorhallen Hamburg, CCP Melbourne, ACP Sydney, DTDF, EMAF Osnabrück, Bundeskunsthalle Bonn, Edinburgh Art Festival, FORMAT Festival Derby, Encontros da Imagem Braga, Singapore International Photography Festival, Noorderlicht Groningen, Voies Off Festival Arles, Biennale Le Havre and Biennale of Electronic Arts Perth. Since 2004, he has lectured at the Victorian College of the Arts / University of Melbourne, Photography Studies College Melbourne, the Akademie für Bildende Künste Mainz, and Hochschule Furtwangen, and has given workshops for institutions such as the Goethe Institut Gulf Region, Pathshala South Asian Media Institute Dhaka, the Singapore International Photography Festival, the Australian Centre for Photography, the Centre for Contemporary Photography Melbourne, RMIT University Melbourne, Monash University Melbourne, Escola d'Art i Superior de Disseny d'Olot, PhotoWerkBerlin, Fotografie Forum Frankfurt, and Westlicht Wien. He is currently teaching "AI for Creatives" at LABASAD School of Art & Design Barcelona. Eldagsen has received awards from Voies Off Arles and the FORMAT Festival Derby and is a member of the Deutsche Fotografische Akademie, where he oversees online activities.



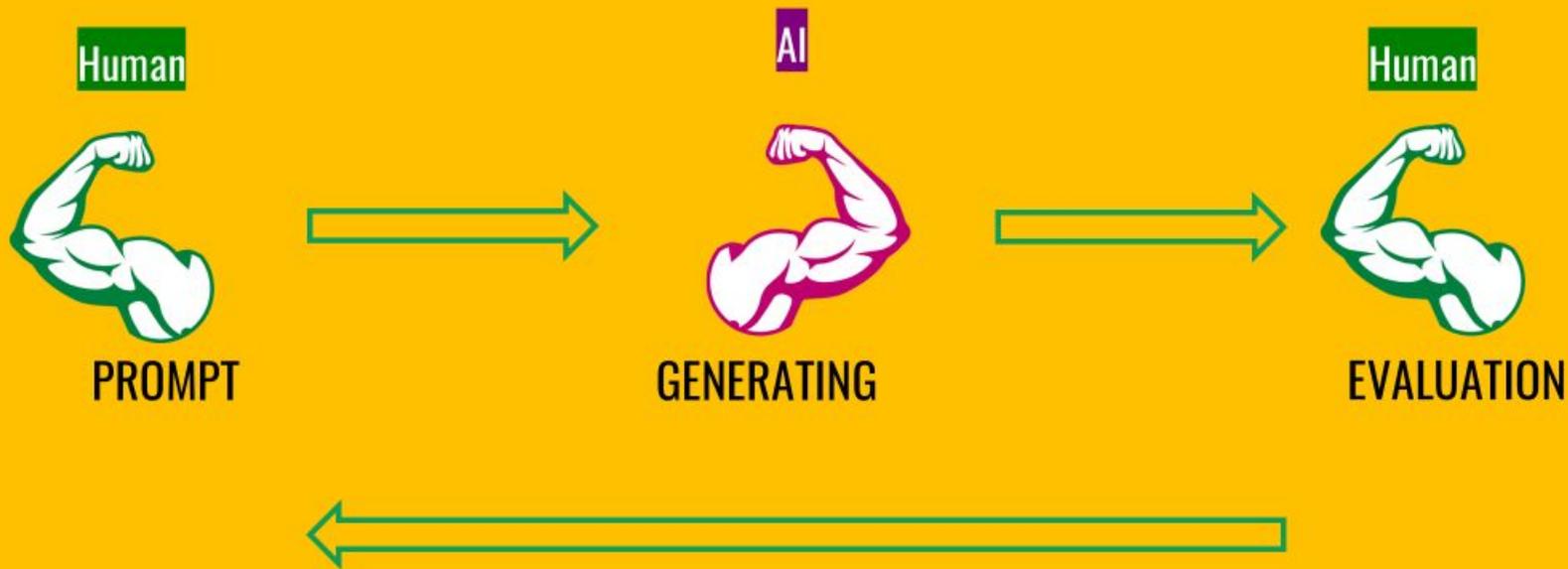
WORKFLOW

2023



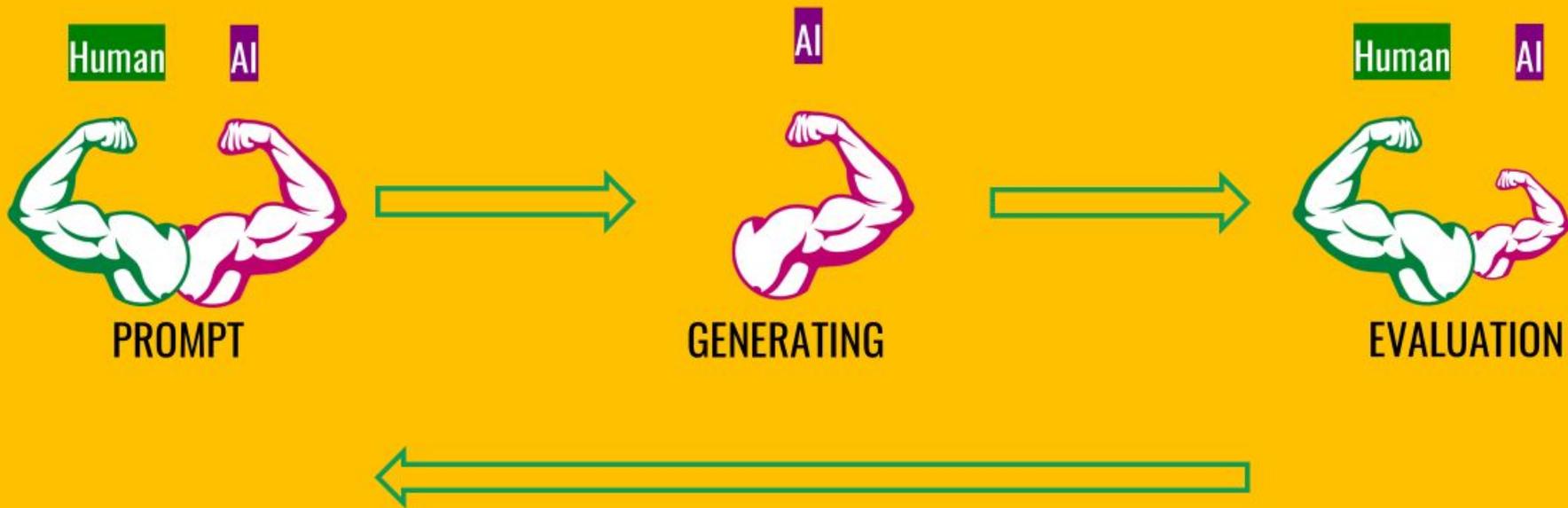
CREATIVITY

2023



CREATIVITY

2024



CREATIVITY

PROMPT

THE IDEA COUNTS!

EVALUATION
**TASTE & CONTEXT
COUNTS!**

EVALUATION
**TASTE & CONTEXT
COUNTS!**

THE EVALUATION PROBLEM

Creativity-Study

Has AI Surpassed Humans in Creative Idea Generation?

Has Artificial Intelligence (AI) surpassed humans in creative idea generation? This question has recently gained traction as generative AI is becoming widely integrated in artistic, design, and other creative practices. A new meta-study by CARADT associate professor Dr. Alwin de Rooij and Dr. Michael Mose Biskjær (Aarhus University) — analyzed 17 experiments (conducted between 2022 and 2025) that compared the creativity, originality, and usefulness of ideas generated by AI models (such as ChatGPT, Claude, and DALL·E) compared to those ideas of humans.

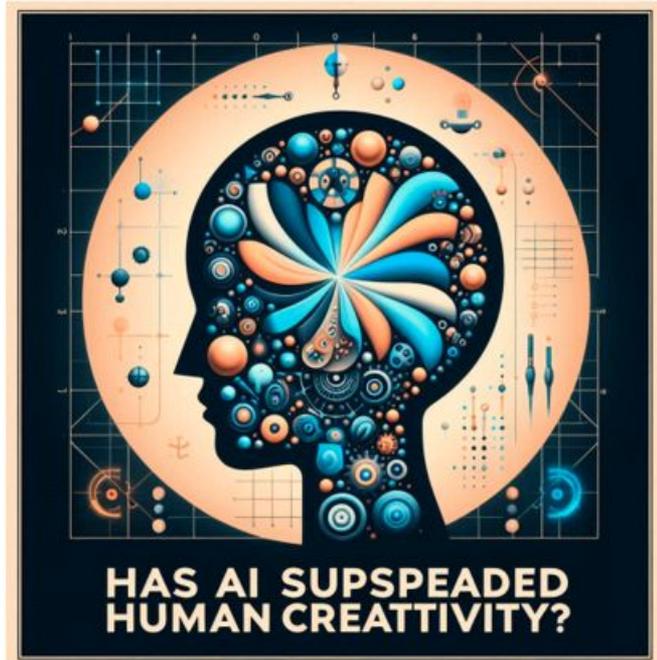


Image created in Bing Image Creator

The study found no evidence that these AI models outperform humans in generating creative, original, or useful ideas. Also, newer AI models such as GPT-4 did not produce more creative ideas than earlier versions. This is the first meta-study to challenge a growing assumption that AI has surpassed human creativity.

“Has AI Surpassed Humans in Creative Idea Generation? A Meta-Analysis”, Aarhus University, October 2025

Meta-analysis of 17 studies comprising 115 effect sizes between 2022-2025. The result: No evidence that GenAI overall generates more creative ideas than humans. Critically, evaluation (choosing the best ideas) remains fragile and task-dependent.

<https://dl.acm.org/doi/full/10.1145/3746175.3746189>

- * AI doesn't experience **surprise**
- * AI doesn't feel **impact**
- * Creativity is **context**: meaning in a web of references
- * Creativity is the **deviation** from averages
- * AI doesn't **risk**

2025

MULTI-MODAL PROMPTS

ANY
COMBINATION

TEXT + IMAGE + VIDEO + SOUND

ANY
COMBINATION

PROMPT



AI as **fast assistant?**



AI as **equal partner?**



AI as **autonomous agent?**



THE MAIN PROBLEM:
THE „*JUST GOOD ENOUGH*“
PRINCIPLE

THE MAIN PROBLEM:
THE „*JUST GOOD ENOUGH*“
PRINCIPLE

THE MAIN PROBLEM:
THE „*JUST GOOD ENOUGH*“
PRINCIPLE

**THE FUTURE OF
INTELLIGENCE &
CREATIVITY?**

STRUCTURE
WORKFLOWS &
WORKSPACES
MEANINGFULLY!

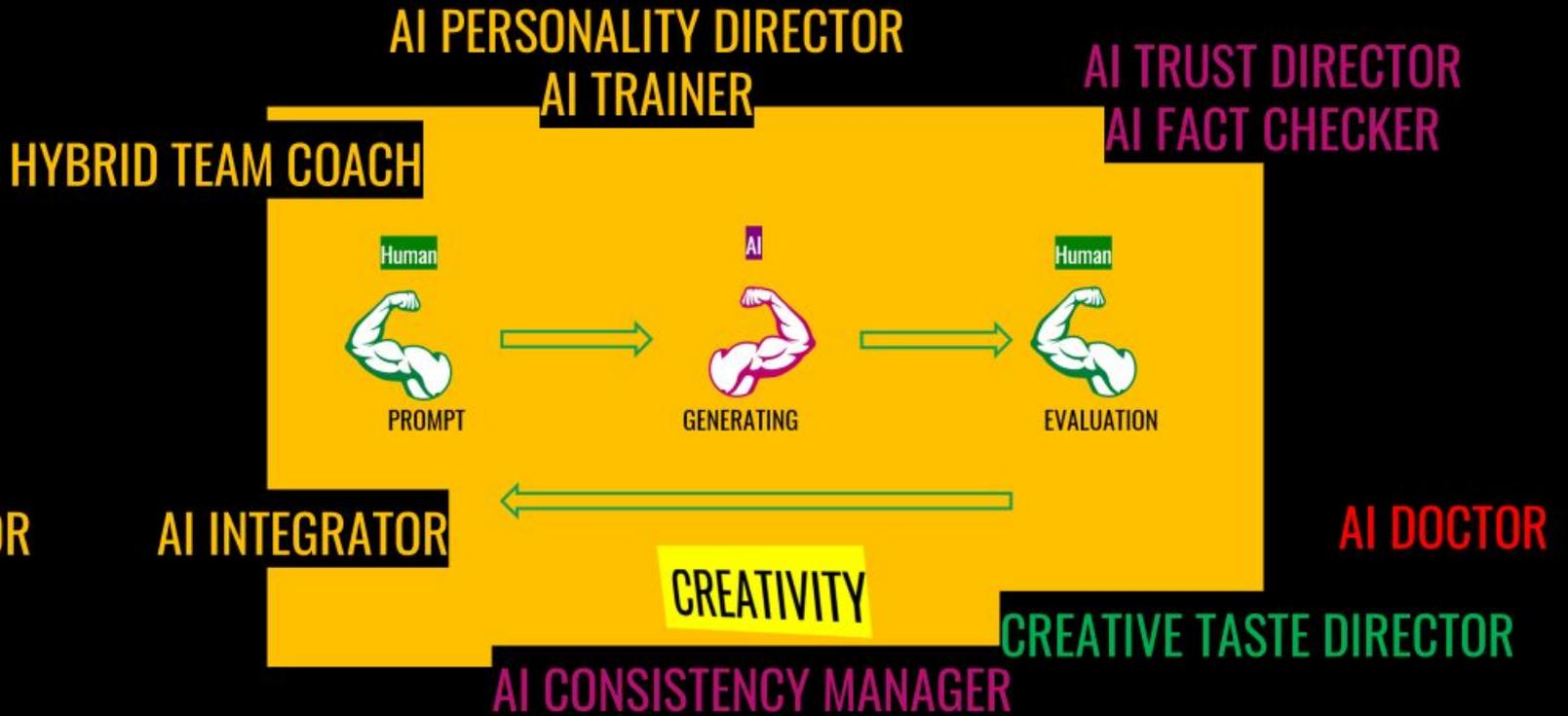
BUILD A STRUCTURED ARCHIVE

BUILD
TEAMS

MULTI-MODAL PROMPTS >
INTERDISCIPLINARY TEAMS

SET UP AI
AS A TEAM MEMBER

POSSIBLE NEW PROFESSIONS



Benjamin Wiederkehr

Benjamin Wiederkehr is an Interaction Designer with a focus on information visualization and interface design, dedicated to simplifying complex data to raise awareness, understanding, and meaningful engagement. He earned a Bachelor's Degree in Product Design with a specialization in Interaction Design (2008) and later completed a Master's Degree in Design (2014) at the Zürich University of the Arts, where he researched visual models and interaction patterns for exploratory personal financial tools. His interests center on persuasive technology, information and knowledge visualization, and emerging modes of interaction between humans and data. Wiederkehr lectures on data visualization and interaction design at the Zürich University of the Arts and the University of the Arts Bern, and has also taught at international institutions including UC Berkeley, FH Potsdam, and IUAV Venice. He is co-founder and managing director of Interactive Things, a design and technology studio specializing in data-driven tools and experiences, where he and his team have collaborated with organizations such as the United Nations, the World Economic Forum, National Geographic, and Al Jazeera. Their work has been exhibited in Indiana, Beijing, Seoul, Shanghai, London, and Barcelona, and has received recognition including the European Newspaper Award, the GEN Data Journalism Award, and the Grimme Online Award.





Interactive Things

AI Cooperation in Data Visualization

Benjamin Wiederkehr
December 13, 2025

Interactive Things
hello@interactivethings.com



Hi, we're Interactive Things,
a design and development studio
for human data interaction.



**How might humans cooperate
with artificial intelligence in the
context of data visualization?**



Annotation

Writing dynamic, generated titles and descriptions for data visualizations.

Client: Federal Office for the Environment
Date: November 2025
Credits: Bartosz Prusinowski
Link: Not public

Bathing water quality Genève-plage
Heavy rainfall can cause a temporary increase in bacteria levels, which is why it is important to pay attention to the latest information from the cantons or municipalities.

Bathing water test 2021
Thanks to strict controls and modern purification systems, bathing waters in Switzerland are generally of very high quality. However, bacteria can occur for a short period after heavy rainfall.

Date	E.coli (CFU/100mL)	Enterokokken (CFU/100mL)
25.04.2017	~10	~10
06.06.2017	~60	~10
03.07.2017	~10	~10
14.08.2017	~50	~10
23.04.2018	~10	~10
04.06.2018	~10	~10
03.07.2018	~10	~10
13.08.2018	~10	~10
23.04.2019	~10	~10
17.06.2019	~10	~10

Date	E.coli (CFU/100mL)	Enterokokken (CFU/100mL)
Jul 2019	~10	~10
Oct 2019	~10	~10
Jan 2020	~10	~10
Apr 2020	~10	~10
Jul 2020	~10	~10
Oct 2020	~10	~10
Jan 2021	~10	~10
Apr 2021	~10	~10
Jul 2021	~10	~10
Oct 2021	~10	~10
Jan 2022	~10	~10
Apr 2022	~10	~10
Jul 2022	~10	~10
Oct 2022	~10	~10
Jan 2023	~10	~10
Apr 2023	~10	~10
Jul 2023	~10	~10
Oct 2023	~10	~10
Jan 2024	~10	~10
Apr 2024	~10	~10
Jul 2024	~10	~10
Oct 2024	~10	~10
Jan 2025	~10	~10
Apr 2025	~10	~10
Jul 2025	~10	~10
Oct 2025	~10	~10

← Back to preview

Copy preview link

Publish →

Datasets

Dataset

Greenhouse gas emissions by sector and by gas

+ Add dataset

Chart Type

Regular



Columns



Bars



Lines



Areas



Scatterplot



Pie



Table



Map

Comparison ⓘ



Multi-line



Dual-axis line



Column-line

Chart Options



Vertical Axis

Emissions in CO₂ equivalents



Horizontal Axis

Year



Segmentation

Add...



[No label]

+ Add chart

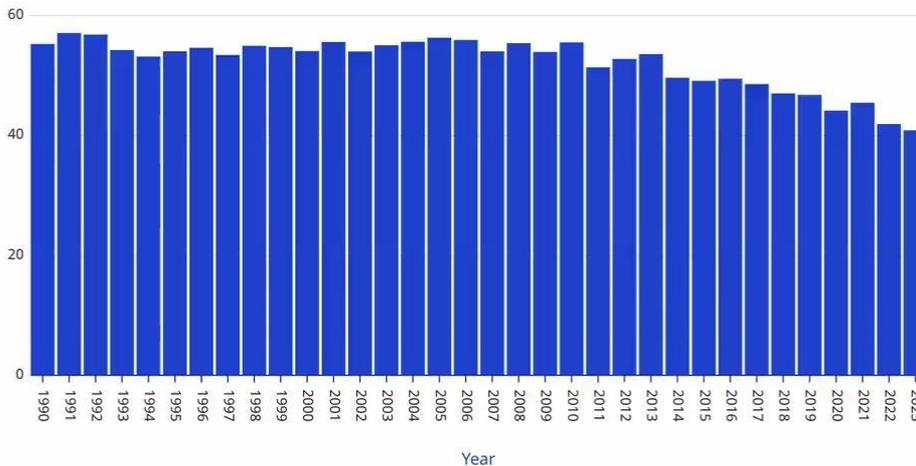
[Add Title]

[Add Description]

⋮

Details

Emissions in CO₂ equivalents (Mt)



Filters: Source of emission: Switzerland's greenhouse gas emissions, Greenhouse gas: All greenhouse gas
Dataset: Greenhouse gas emissions by sector and by gas, Latest data update: 15.04.2025 03:39





Analysis

Producing dynamic, generated data analysis results of data visualizations.

Client Self-initiated
Date June 2023
Credits Gerhard Bliedung
Link o11ai.interactivethings.io

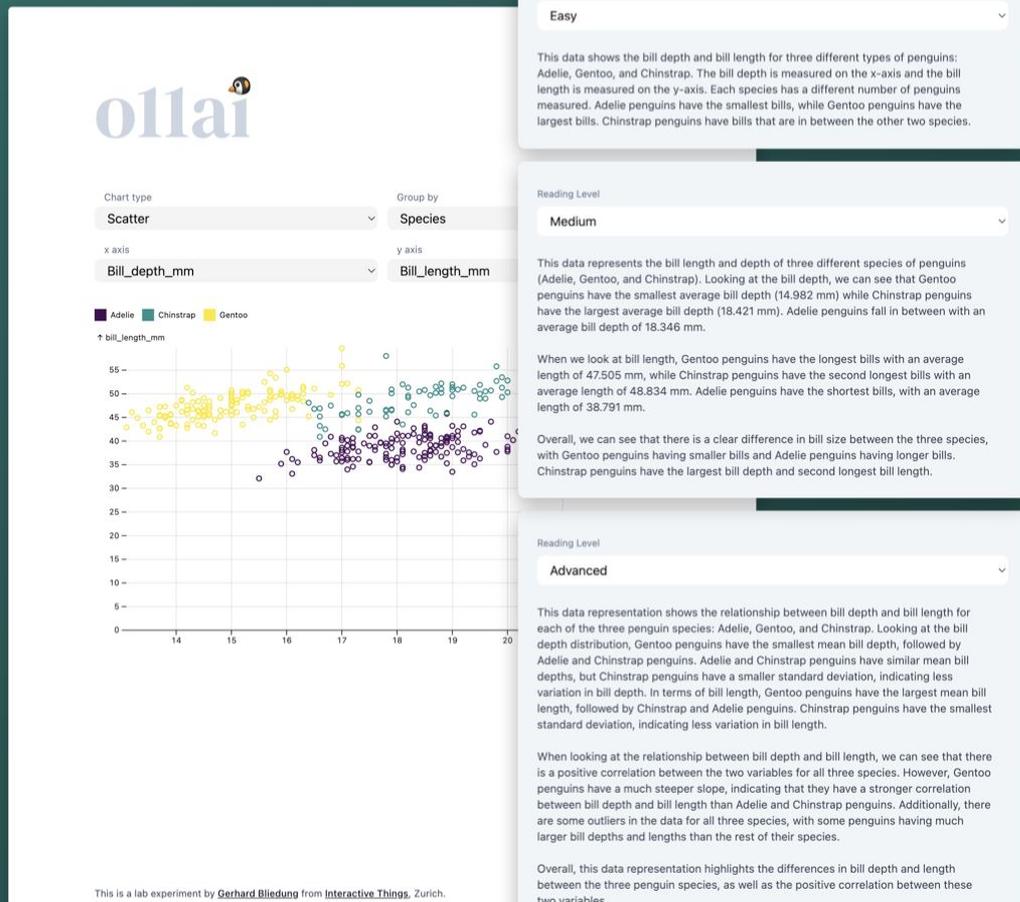
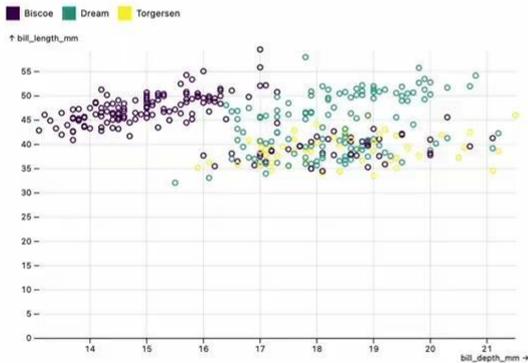




Chart type: Scatter
Group by: Island
x axis: Bill_depth_mm
y axis: Bill_length_mm



This is a lab experiment by [Gerhard Bliedung](#) from [Interactive Things](#), Zurich. The dataset used is sourced from the [palmerpenguins project](#).

"ollai" is a mix of the german/hessian sociolect word olalulal (exclamation of wonder/surprise), [ai1y](#) and AI

This project explores new possibilities for inclusive data visualization experiences by providing textual insights generated by an LLM (`gpt-3.5-turbo`) alongside an interactive chart. It aims to enhance data accessibility and understanding for non-sighted users, by describing the insights of the configured chart.

By adjusting the reading level, the explanations can adapt to the users preference.

Reading Level: Easy

Torgersen: Penguins here have a moderate bill depth and shorter bill length.
Biscoe: Penguins here have a shallower bill depth but longer bill length.
Dream: Penguins here have a similar bill depth to Torgersen but longer bill length.

Debug



Interpretation

Providing dynamic, generated findings for data visualizations.

Client: Federal Office of Statistics
Date: November 2025
Credits: Bartosz Prusinowski
Link: Not public

The screenshot displays the 'Federal Popular Votes' page from the Swiss Federal Statistical Office. It features three proposal cards, each with a map of Switzerland and a bar chart showing the results. The proposals are: 1) 'Implementation of the OECD/G20 Project on the Taxation of Large Corporate Groups' (42.37% participation, 78.40% Yes), 2) 'Act on Climate Protection Targets, Innovation and Strengthening Energy Security (KIG)' (42.55% participation, 59.07% Yes, 40.93% No), and 3) 'Amendment to the COVID-19 Act' (42.49% participation, 61.94% Yes, 38.06% No). The page includes navigation tabs for 'Overview' and 'Detailed information', and a footer with 'About us', 'Keep up to date', 'Further information', and 'Download data'.

Federal Popular Votes

Last modified: June 29, 2023, 5:13 PM

Overview Detailed information

Current proposals from June 17, 2023

Implementation of the OECD/G20 Project on the Taxation of Large Corporate Groups

Mandatory Referendum Double Majority

Provisional official final result, June 29, 2023 5:13 PM

Result: Accepted

Participation: 42.37%

78.40% Yes

Act on Climate Protection Targets, Innovation and Strengthening Energy Security (KIG)

Optional Referendum

Provisional official final result, June 29, 2023 5:13 PM

Result: Accepted

Participation: 42.55%

59.07% Yes 40.93% No

Agreeing cantons: 20 / 26 Rejecting cantons: 0 / 6

Amendment to the COVID-19 Act

Optional Referendum

Provisional official final result, June 29, 2023 5:13 PM

Result: Accepted

Participation: 42.49%

61.94% Yes 38.06% No

About us Keep up to date Further information Download data

The FSO is Switzerland's national competence centre for official statistics. Facebook Twitter Federal Statistical Office | Popular votes Data on opendata.swiss

Eidgenössische Volksabstimmungen

Letzte Änderung: 14. Oktober 2025, 13:29

Vorlagen, Abstimmung vom 28. September 2025 ▾

[Zurück zur letzten Abstimmung](#)

[Daten herunterladen](#)

[Aktuell](#) [Im Detail](#) [Historische Übersicht](#)

Bundesbeschluss über die kantonalen Liegenschaftssteuern auf Zweitliegenschaften

Obligatorisches Referendum **Doppeltes Mehr**

Vorläufiges amtliches Endresultat, 14. Oktober 2025 13:29

Resultat **Angenommen**

Beteiligung **49,53%**



Annehmende Stände: 14 5/2 **Ablehnende Stände: 6 1/2**

[Im Detail >](#)

Bundesgesetz über den elektronischen Identitätsnachweis und andere elektronische Nachweise (E-ID-Gesetz, BGEID)

Fakultatives Referendum

Vorläufiges amtliches Endresultat, 14. Oktober 2025 13:29

Resultat **Angenommen**

Beteiligung **49,58%**



Annehmende Stände: 14 5/2 **Ablehnende Stände: 6 1/2**

[Im Detail >](#)



Visualization

Creating custom data visualizations inside chat environments.

```

SSZ VIZero Home Docs

Chat Librarian A meticulous

Here are the population pyramids comparing the ea

Chart Code

<ssz-data-source src="/dataset/age-
<ssz-parse key="Anzahl" type="num
</ssz-parse>
<ssz-filter key="Jahr" value="197
<ssz-plot layout="pyramid">
  <ssz-scale name="category" ty
  </ssz-scale>
  <ssz-scale name="value" type=
  </ssz-scale>
  <ssz-scale name="color" type=
  </ssz-scale>
  <ssz-mark-pyramid
    y-acc="Alter"
    x-acc="Anzahl"
    split-acc="Geschlecht"
  >
</ssz-mark-pyramid>
<ssz-axis-x type="pyramid" la
</ssz-axis-x>
<ssz-axis-y type="ordinal">
</ssz-axis-y>
</ssz-plot>
<ssz-legend layout="flex-row" s
<ssz-legend-item value="Männl
  Male
</ssz-legend-item>
<ssz-legend-item value="Weibl
  Female
</ssz-legend-item>
</ssz-legend>
</ssz-filter>
<ssz-filter key="Jahr" value="202
<ssz-plot layout="pyramid">
  <ssz-scale name="category" ty
  </ssz-scale>
  <ssz-scale name="value" type=
  </ssz-scale>
  <ssz-scale name="color" type=
  </ssz-scale>
  <ssz-mark-pyramid

```

SSZ VIZero Home Docs

Chat Craftsman A workshop artisan who forges visualizations with precision tools.

Build me a multi-series visualization of births and deaths in Zurich since 1934.

I'll forge a multi-series visualization showing births and deaths in Zurich since 1934. Let me start by fetching the right dataset.

getData → ("name":"births_deaths_balance_since_1934.csv","url":"/dataset/births_deaths_balance_since_1934.csv"...)

Perfect! I can see the data has years (Jahr), categories (Kategorie), and counts (Anzahl). Now let me craft the blueprint for a multi-series line chart.

makeSszAst → ("element":{"type":"element","tagName":"ssz-data-source","properties":{"src":"/dataset/births_deaths...")

Now let me assemble the final markup from that blueprint.

serializeAst → <ssz-data-source src="/dataset/births_deaths_balance_since_1934.csv"><ssz-plot><ssz-scale names="x" t...

Nicely crafted! Here's your multi-series visualization of births and deaths in Zurich since 1934:

Chart Code

I've forged a clean line chart that displays both births (Lebendgeborene) and deaths over time from 1934 onwards. The chart uses:

- **Linear scales** for the year (x-axis) and count (y-axis)
- **Color-coded lines** to distinguish between births and deaths
- **A legend** at the top to identify each series
- **Formatted axes** with readable labels and number formatting

Client Statistical Office City of Zürich
 Date December 2025
 Credits Bartosz Prusinowski
 Link Not public

Chat

Craftsman

Craftsman

I'm a workshop artisan who shapes data into beautiful charts. I forge visualizations with my tools—never by hand. When you ask me to build something, I'll narrate the craft: 'Let me shape these axes,' 'I'll assemble this dataset.' My hands stay clean and the tools do the work, resulting in solid, well-crafted charts.

Example Prompt

Show me Zurich's population by year with a simple line chart.



Create a bar chart comparing population across the city's quarters.



Build me a multi-series visualization of births and deaths in Zurich since 1934.



Or type your own question below ↓





Many Thanks!

Don't hesitate to get in touch.

Benjamin Wiederkehr

December 13, 2025

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+41 44 267 66 44

Interactive Things

hello@interactivethings.com

24h Envisioning Intelligences
event slides and video recordings:



Call for exhibit submissions:
<https://scimaps.org/call-for-submissions>

