



The importance of language data for the development of LT solutions

Aleksander Alafuzoff, Yle
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Democracy & Digitalization, Yle News Lab, News and Current Affairs

Academic background: cognitive science, neuroscience, machine learning, data science & AI

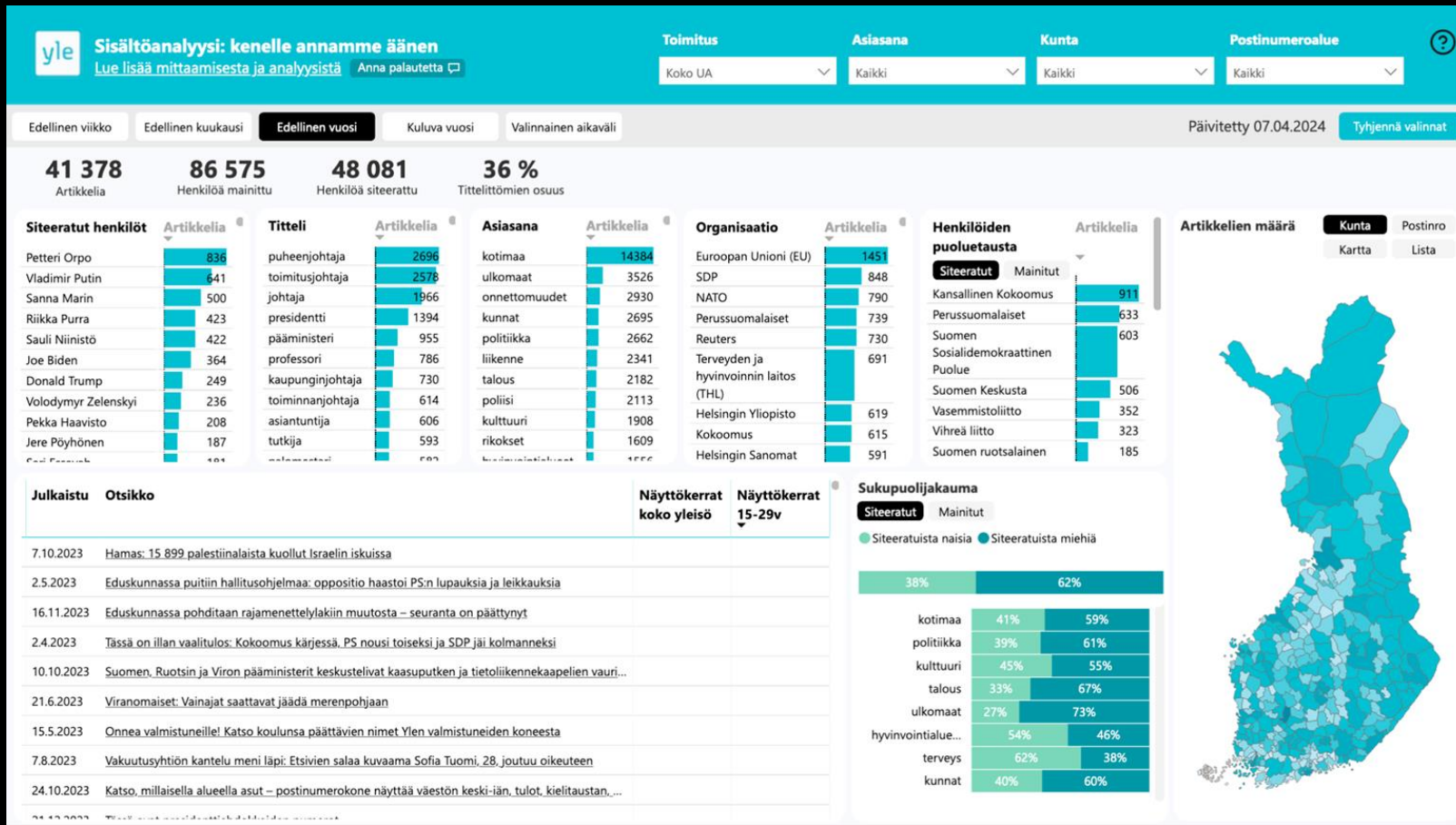
Right now I'm working on...

- how to make use of AI in the present
- trying to anticipate the future of AI and journalism
- envisioning how public service media can support democracy

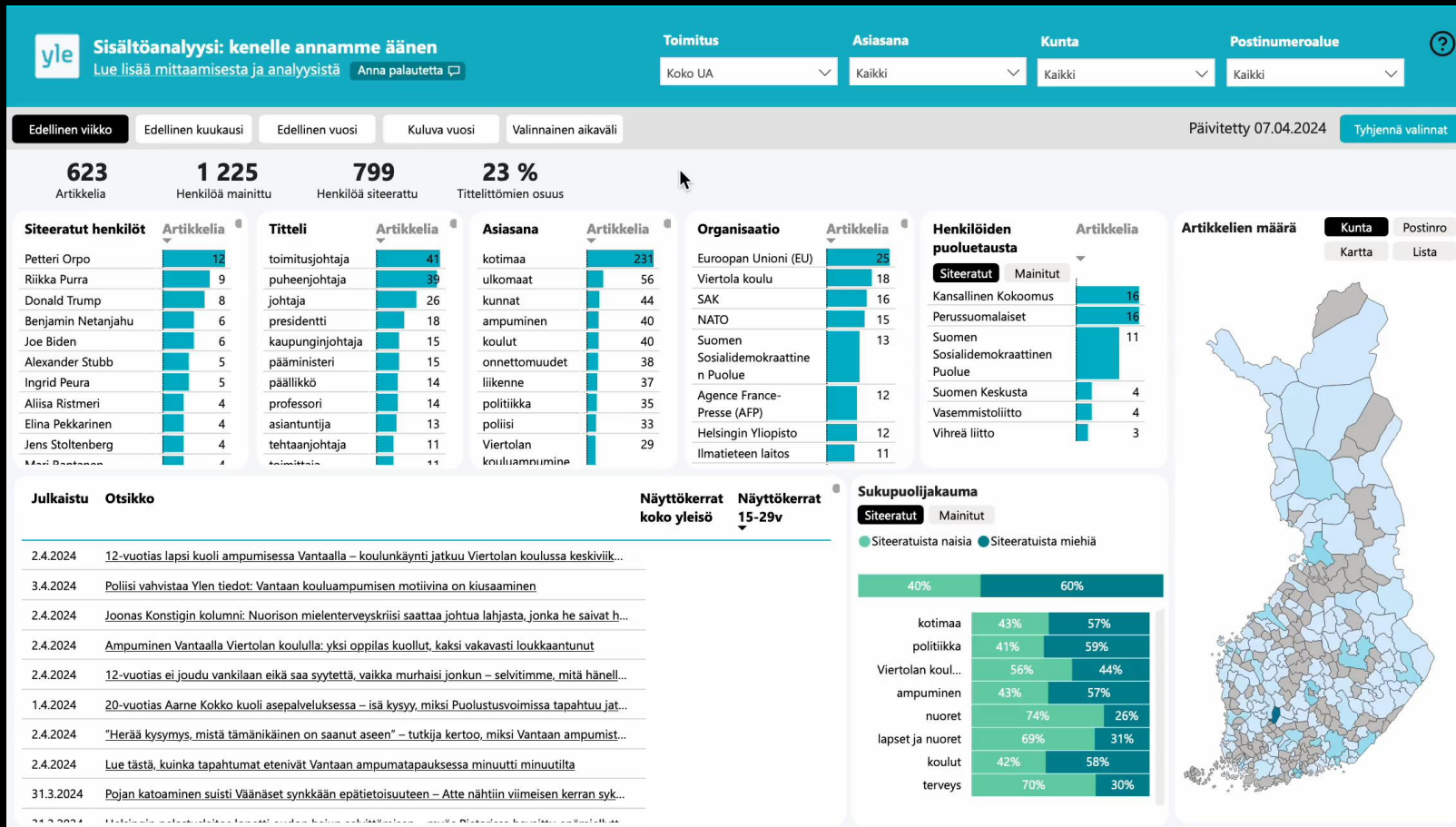


AI highlights from the past 6 months

Content analysis: monitoring representation



Content analysis: monitoring representation



YleGPT: a platform for using AI in editorial work



This is the producer of the popular YleX Evening radio show. In her work she uses YleGPT for creating quizzes, reacting to events during live recordings, and planning new program ideas.



This is one of the news journalists working for Yle's Flash-desk, which is responsible for reacting rapidly to breaking news. He uses YleGPT to formulate short news snippets to Yle's teletext service and the News in Brief feed.

And more than 1000 other Yle employees...



+ New conversation

My conversations

- New conversation 2.4.2024
- You are an experienced production specialist... 2.4.2024
- You are an experienced publisher of Yle Aree... 2.4.2024
- You are an experienced news reporter who w... 2.4.2024
- Summaries of news articles (edited) 2.4.2024

Shared conversations

- Google Slides for text and YleGPT jyri.kivimaki@yle.fi 28.3.2024
- RadioMan Assistant (0.6.1) mikko.lohenoja@yle.fi 28.3.2024
- YleGPT: Areena's picture guide assistant v.0.1... kimmo.kautiainen@yle.fi 28.3.2024
- Title generator (using the instructions of th... jyri.kivimaki@yle.fi 28.3.2024
- Idea vacuum summary ext-aleksi.manninen@yle.fi 27.3.2024

Finland

New conversation

2.4.2024

Share the conversation

Settings

YleGPT

Instructions

[Getting to know YleGPT](#)

[This is how you enable a ready-made prompt](#)

Important!

Remember that you are always responsible for checking the correctness of the content generated by artificial intelligence.

Do not enter personal information (excluding journalistic use) or other sensitive materials into YleGPT.

Conversations with YleGPT are saved and can be used in the development of the service.

How can I help?



The Artificial Viki & Köpi show



It was very strange and a little addictive: you wanted to hear what would be discussed next and in what manner. However, our AI counterparts were too nice and like-minded about everything.

- Ville "Viki" Eerikkilä

Threats & Opportunities

Trust

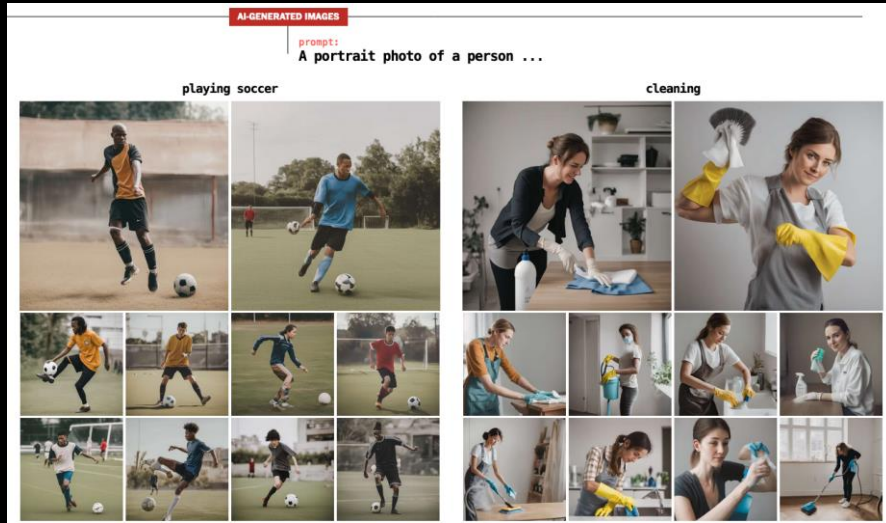


Pressat Pelaa: Niinistö, Stubb & Haavisto PELAA MINECRAFTIA!?! (YouTube)



Pablo Xavier / Midjourney

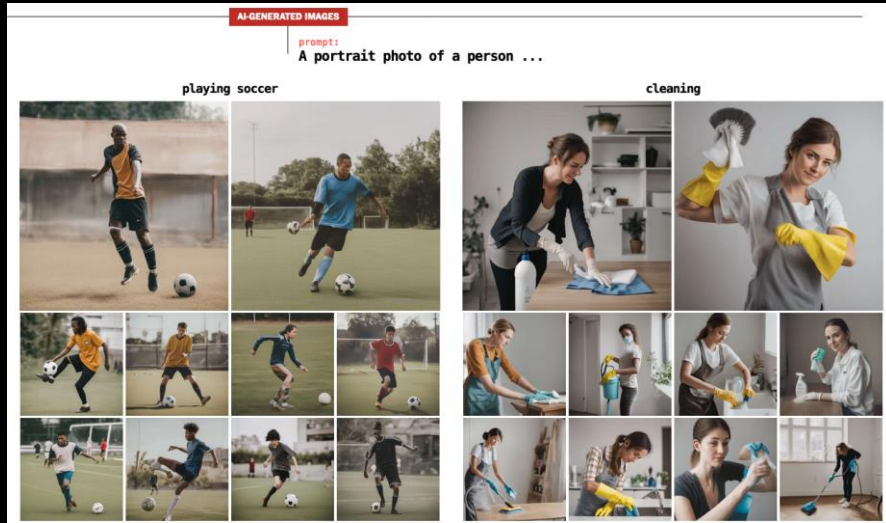
Bias



The Washington Post: This is how AI image generators see the world

Finding biases is easy...

Bias



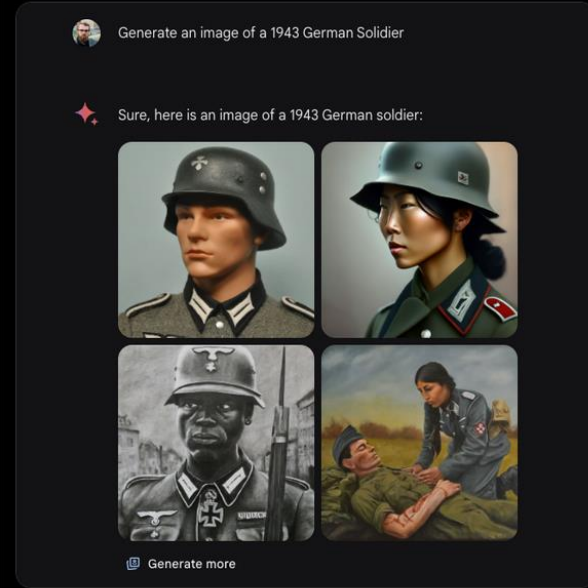
The Washington Post: This is how AI image generators see the world

Finding biases is easy...



LINK IN BIO
@JohnLu0x

This is not good. #googlegemini



12:20 AM · Feb 21, 2024 · 741.6K Views

265

827

3.5K

504



John Lussier (Twitter; @JohnLu0x; no longer available)

... fixing them is not!

Data Ownership

New York Times, CNN and Australia's ABC block OpenAI's GPTBot web crawler from accessing content

Chicago Tribune and Australian newspapers the Canberra Times and Newcastle Herald also appear to have disallowed web crawler from maker of Chat GPT

Ariel Bogle

Fri 25 Aug 2023 02:31 CEST

The Guardian

Yle is also blocking known AI crawlers, but...

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KATE KNIBBS

BUSINESS JAN 24, 2024 7:00 AM

Most Top News Sites Block AI Bots. Right-Wing Media Welcomes Them

Nearly 90 percent of top news outlets like *The New York Times* now block AI data collection bots from OpenAI and others. Leading right-wing outlets like NewsMax and Breitbart mostly permit them.

WIRED

... where will this lead us?

But opportunities do exist!

- Automation can enable redirecting human effort toward more meaningful tasks
- Open models reduce the risk of centralization
- AI may be able to help us understand an increasingly digital world by identifying important information
- Language barriers will be easier to overcome
- Individual differences can be more easily accommodated by services and in content
- AI can make us more creative – sparring and testing ideas, creating new variations, and prototyping will become easier than ever before



Future challenges in AI and data

Disagreeable AI

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you wanted to hear what would be
discussed next and in what manner.
However, our AI counterparts were too
nice and like-minded about everything.*

- Ville "Viki" Eerikkilä

Right now there is a lot of emphasis on “safe”
and user-friendly AI...

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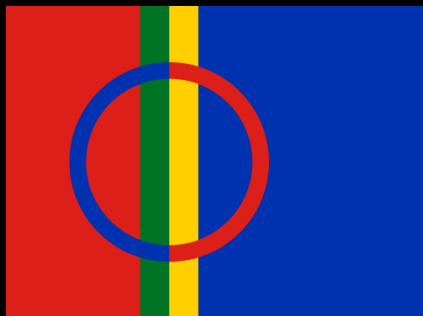
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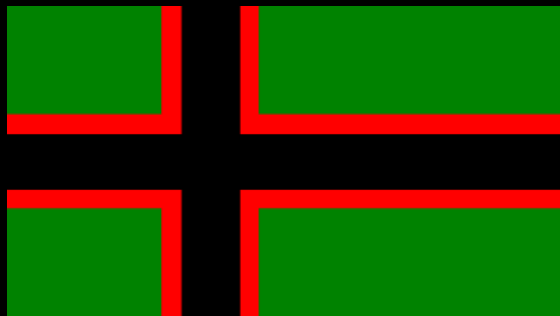
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and user-friendly AI...

... but lies, conflict, tension, and evil are
essential for our stories!

Low-resource languages



Sámi languages



Karelian



Finnish Kalo

This is not just a question of making data available, but also methodological: is there enough data even in principle to train certain kinds of models?

For comparison, it's not even clear, if there's enough Finnish text to train large language models, and Finnish is a relatively well-resourced language for LT development

Truth

AI Hallucination Is 'Very Solvable,' Nvidia's Jensen Huang Says

By [Eric J. Savitz](#)

Nvidia CEO Jensen Huang said the problem of artificial intelligence "hallucinations," a tendency for chatbots to sometimes provide inaccurate answers to questions, is "very solvable."

Barron's: Nvidia GTC 2024

Jensen Huang thinks the solution is retrieval-augmented generation and having the AI "determine which of the answers are the best" ...

I always struggle a bit with I'm asked about the "hallucination problem" in LLMs. Because, in some sense, hallucination is all LLMs do. They are dream machines.

We direct their dreams with prompts. The prompts start the dream, and based on the LLM's hazy recollection of its training documents, most of the time the result goes someplace useful.

It's only when the dreams go into deemed factually incorrect territory that we label it a "hallucination". It looks like a bug, but it's just the LLM doing what it always does.

- Andrej Karpathy

... meanwhile, Andrej Karpathy, co-founder of OpenAI and former director of AI at Tesla, has a slightly different take!

Thank you for your time!

**If you have any questions, don't
hesitate to reach out. You can
contact me via email at
aleksander.alafuzoff@yle.fi
or via LinkedIn**

