KI OG BÆREKRAFT?

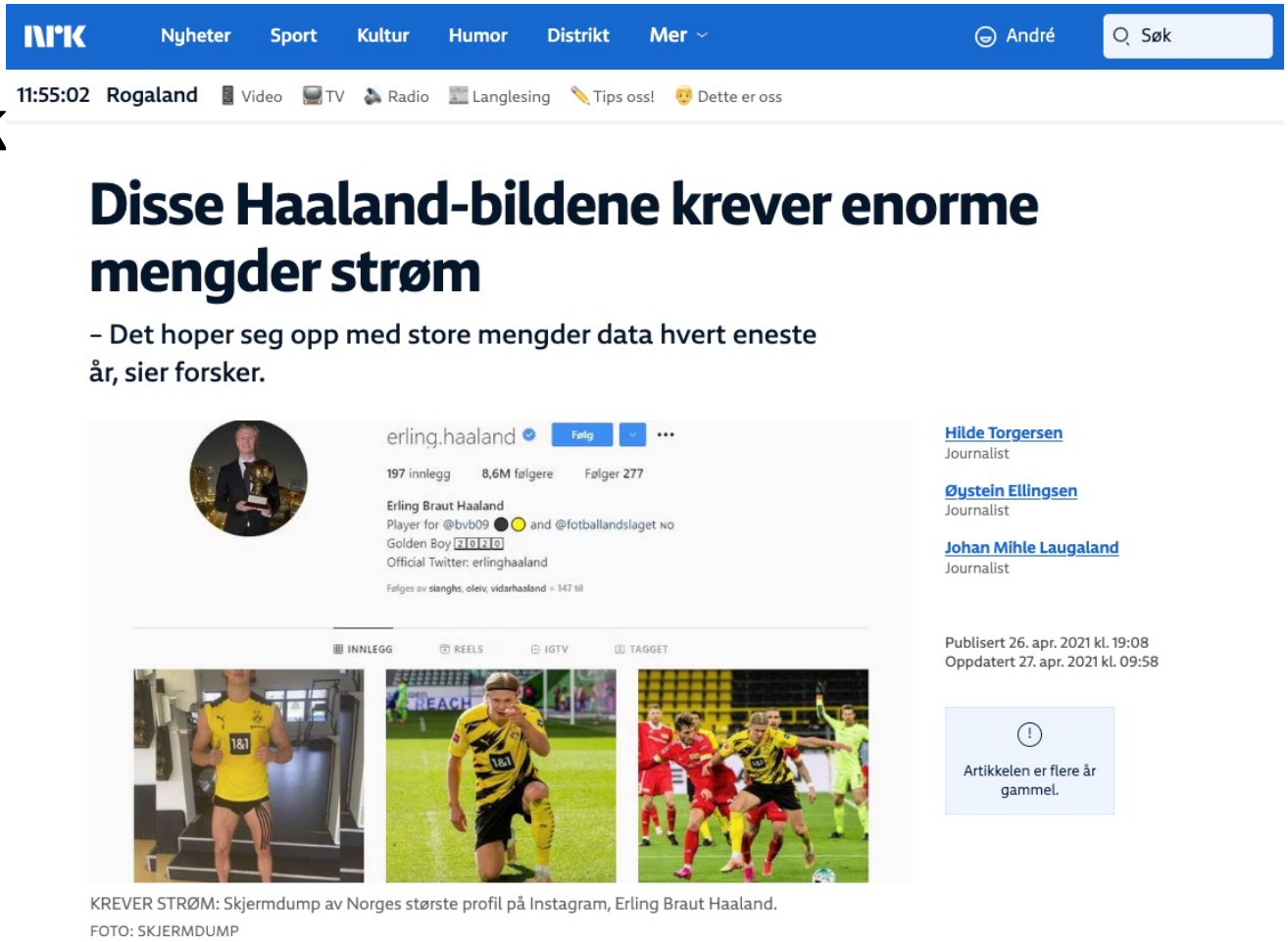
André Brodtkorb, OsloMet

OSLO METROPOLITAN UNIVERSITY
STORBYUNIVERSITETET

OSLOMET


1 UTRYDDE FATTIGDOM
2 UTRYDDE SULT
3 GOD HELSE OG LIVSKVALITET
4 GOD UTDANNING
5 LIKESTILLING MELLOM KJØNNENE
6 RENT VANN OG GODE SANITÆRFORHOLD
7 REN ENERGI TIL ALLE
8 ANSTENDIG ARBEID OG ØKONOMISK VEKST
9 INDUSTRI, INNOVASJON OG INFRASTRUKTUR
10 MINDRE ULIKHET
11 BÆREKRAFTIGE BYER OG LOKALSAMFUNN
12 ANSVARLIG FORBRUK OG PRODUKSJON
13 STOPPE KLIMAENDRINGENE
14 LIVET I HAVET
15 LIVET PÅ LAND
16 FRED, RETTFERDIGHET OG VELFUNGERENDE INSTITUSJONER
17 SAMARBEID FOR Å NÅ MÅLENE

Hvorfor snakk



OSLOMET

Hvor

forskersonen.no Kultur Helse Miljø Samfunn Teknologi Naturvitenskap Blogg

André Søk

cristiano erling.haaland

Nylig kunne vi lese på NRK at hvert bilde Erling Braut Haaland legger ut på Instagram krever like mye strøm som å varme opp en norsk husstand i flere uker, og at Ronaldo har brukt nesten like mye strøm som Rjukan til å spre sine 3042 selfier. Men stemmer det? (Foto: Skjermdump Instagram/cristiano og Instagram/erling.haaland)

Slett fem e-post og Instagram så får du ren klima-samvittighet?

DEBATT: Internett, e-post og sosiale medier bruker mye strøm, men ikke bli lurt av overdrevne utregninger.

gjelder ikke minst sosiale medier.

enorme

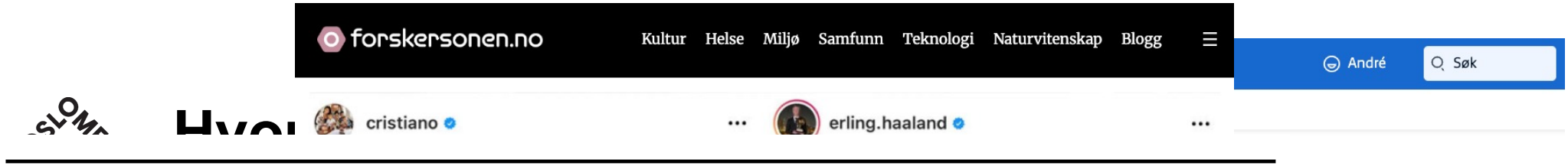
Hilde Torgersen
Journalist

Øystein Ellingsen
Journalist

Johan Mihle Laugaland
Journalist

Publisert 26. apr. 2021 kl. 19:08
Oppdatert 27. apr. 2021 kl. 09:58

Artikkelen er flere år gammel.



Faktisk.

Tenk Støtt oss Søk Meny

Artikkel

Vi kutter ikke strømforbruket til 1000 husstander ved å slette fem e-poster om dagen

Ateas beregninger, som ble gjengitt i en viral NRK-artikkel, baserer seg på totalt urealistiske premisser.

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OSLOMET

Hva er kunstig intelligens?

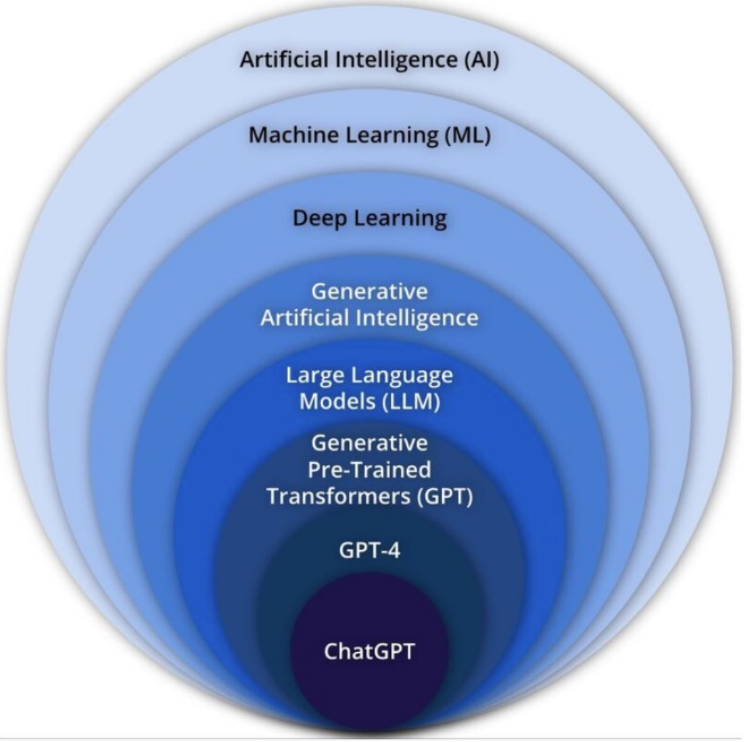
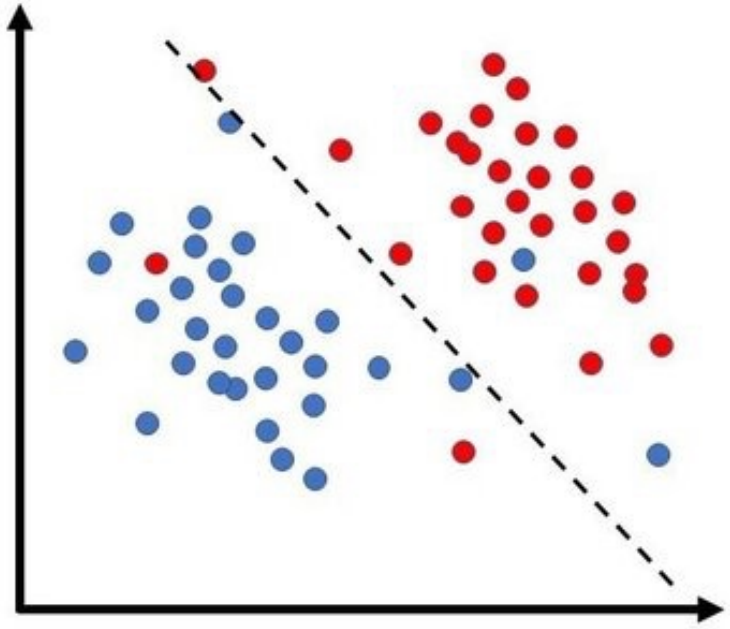
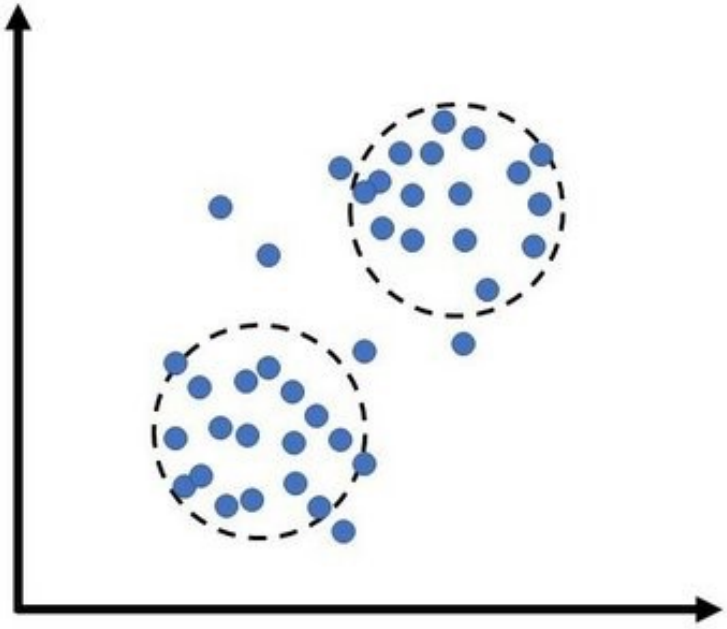


Image credits: Google Cloud Tech

OSLOMET

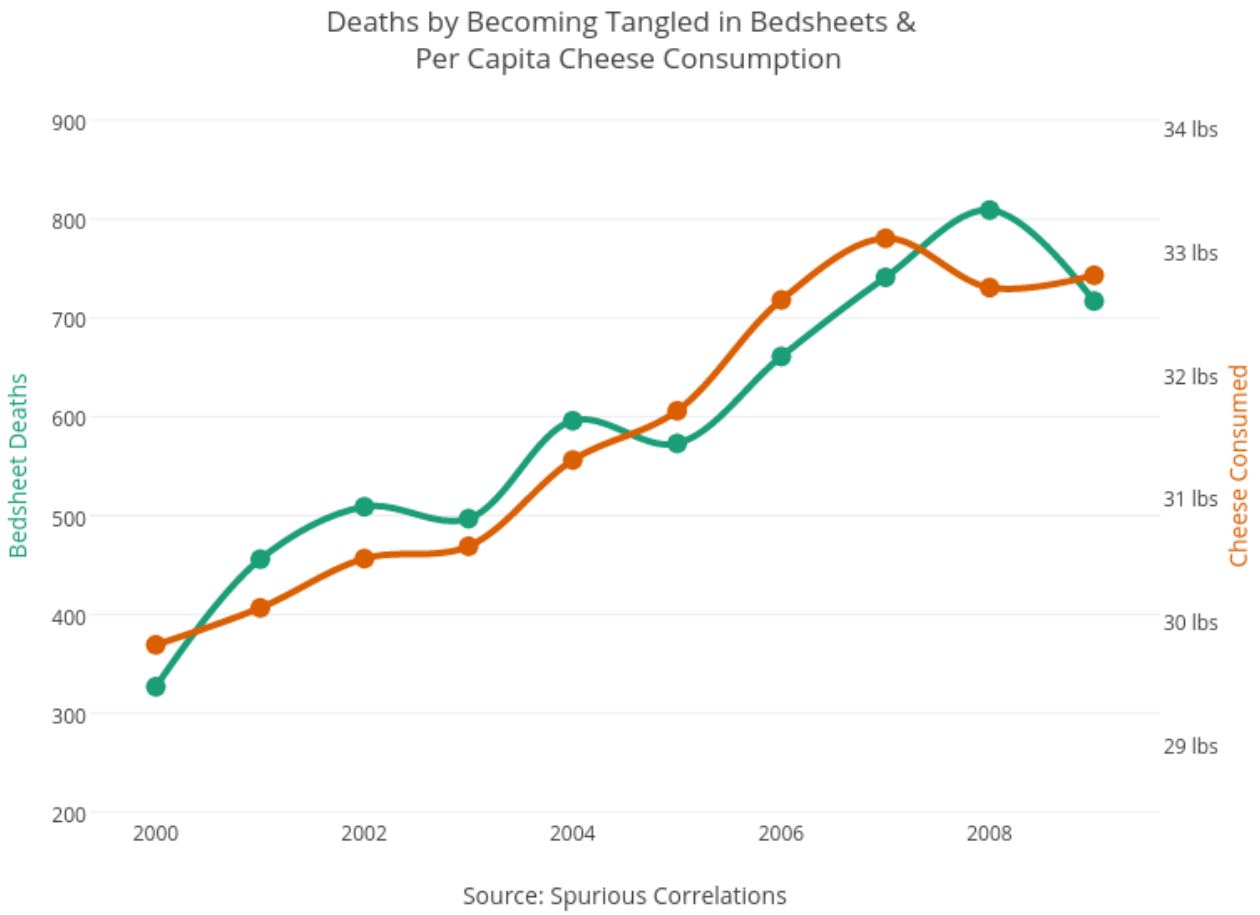
Hva er kunstig intelligens





OSLOMET

OSLOMET


Deaths by Becoming Tangled in Bedsheets &
Per Capita Cheese Consumption
Bedsheet Deaths
Cheese Consumed
900
800
700
600
500
400
300
200
34 lbs
33 lbs
32 lbs
31 lbs
30 lbs
29 lbs
2000
2002
2004
2006
2008
Source: Spurious Correlations

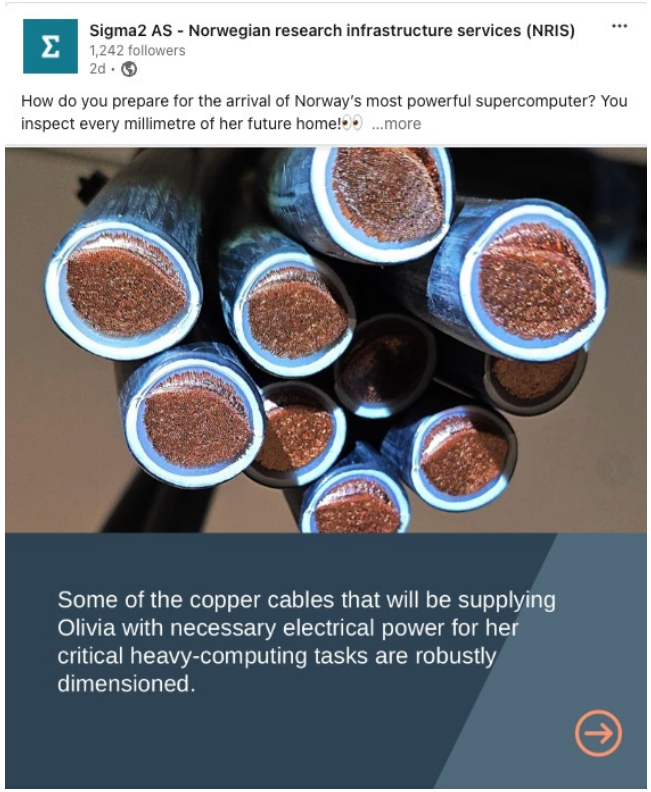
OSLOMET

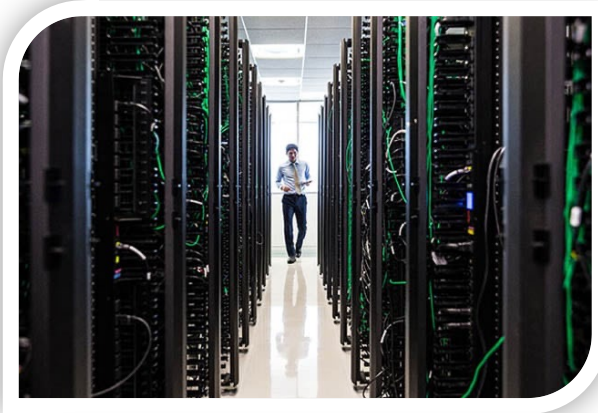
OSLOMET

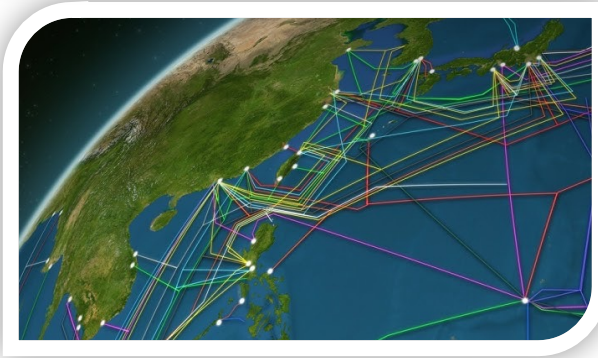
Strømforbruk

- Datamaskiner
- Kjøling
- Nettverk

- Strømkilde







How Hungry is AI? | Dashboard Overview

Last Refresh: 29-Apr-2026 06:13:09

Dashboard created by Nidhal Jegham

Email: jeghamnidhal7@gmail.com

Sustainability Metrics

- Average Carbon Emissions (gCO2e)
- Average Energy Consumption (Wh)
- Average Water Consumption (Site & Source, mL)
- Average Water Consumption (Site, mL)
- Average Water Consumption (Source, mL)

Company: All

Model Size: All

Query Length: Medium

Number of Queries: 100B

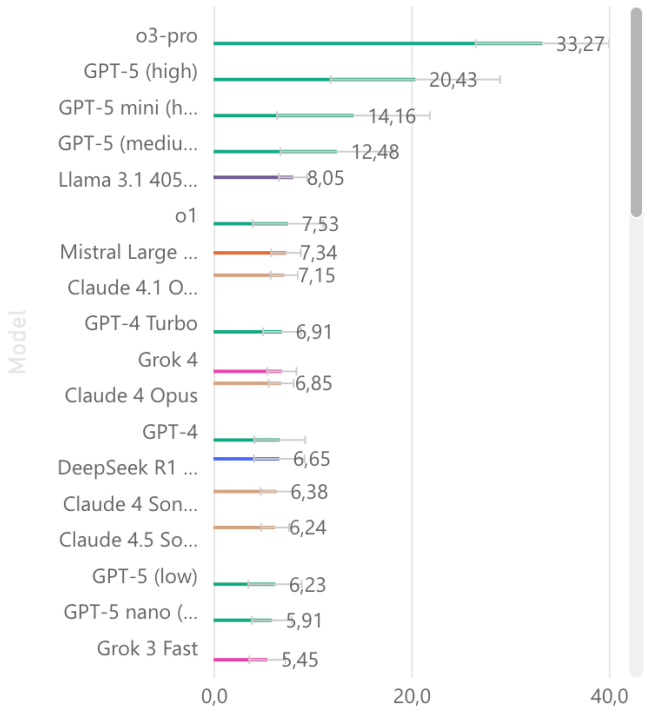
Reset Settings

Github Repo

Company	Model	Host	Hardware	Model Size	PUE	WUE (Site) (L/kWh)	WUE (Source) (L/kWh)	CIF (KgCO2/kWh)
Select a Model	Select a Model	Select a Model	Select a Model	Select a Model	Select a Model	Select a...	Select a...	Select a...

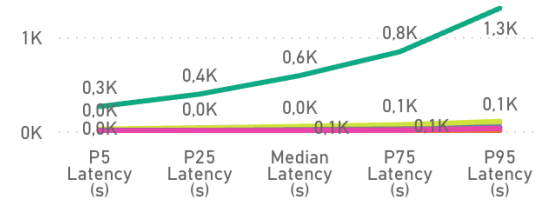
Average Energy Consumption (Wh) | Multiple Companies Models | Multiple Sizes | Medium Prompts

Anthropic, DeepSeek, Google, Meta, Mistral AI, Moonshot



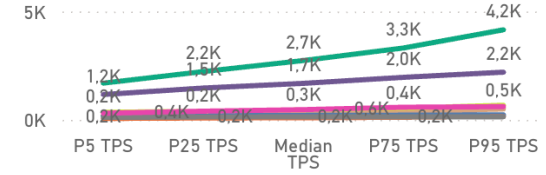
Latency (s) for Multiple Models

Anthropic, DeepSeek, Google, Meta, Mistral AI



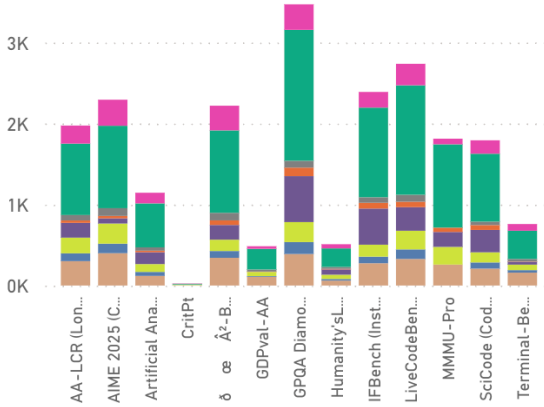
Tokens-per-Second (TPS) for Multiple Models

Anthropic, DeepSeek, Google, Meta, Mistral AI



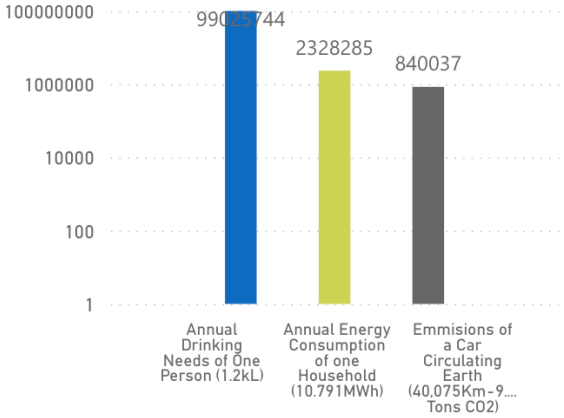
Performance Overview of Multiple Models

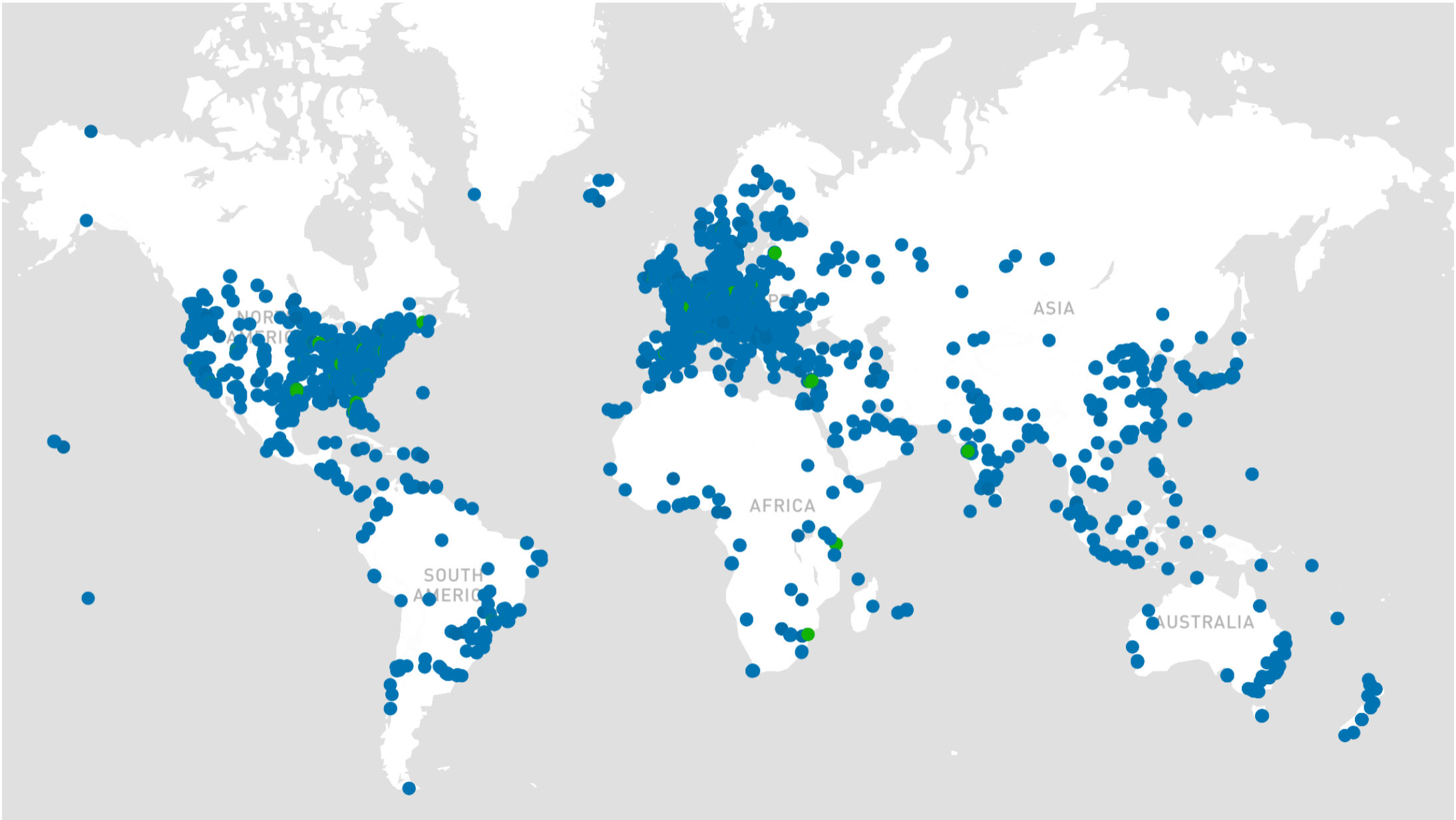
Anthropic, DeepSeek, Google, Meta, Mistral AI



Environmental Footprint Equivalent of Multiple Models for 100B Queries

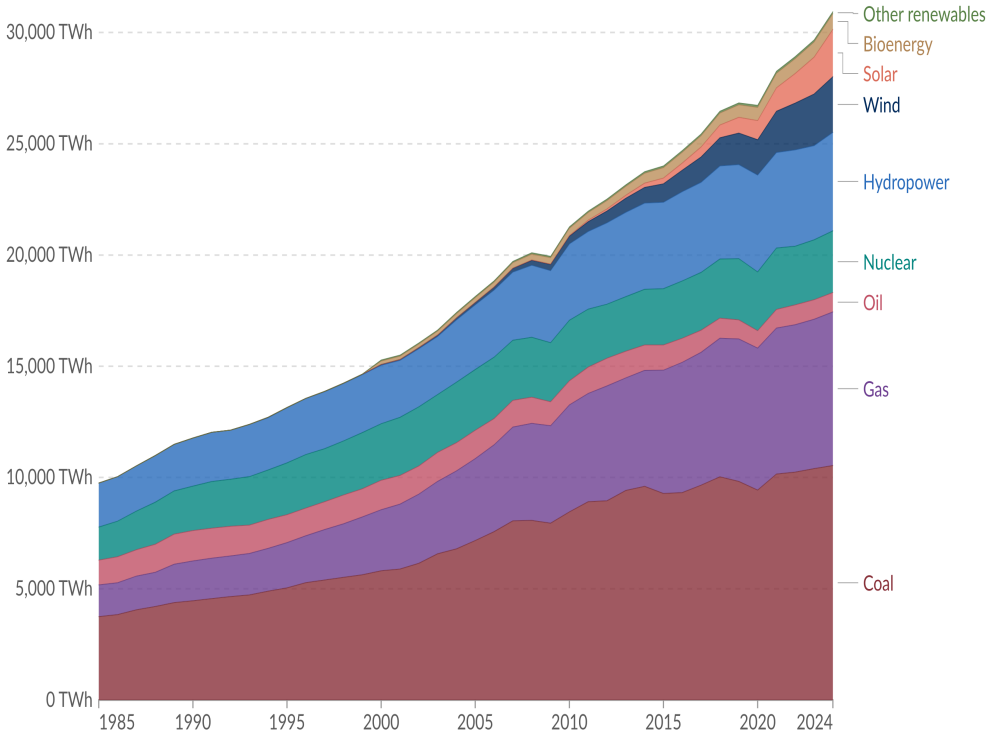
Carbon Emissi..., Energy Cons..., Water Cons...




ASIA
AFRICA
SOUTH
AUSTRALIA

Electricity production by source, World

Measured in terawatt-hours[1].



Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025)

OurWorldinData.org/energy | CC BY

Note: "Other renewables" include geothermal, wave, and tidal.

1. Watt-hour A watt-hour is the energy one watt of power delivers for one hour. Since one watt equals one joule per second, a watt-hour equals 3600 joules of energy.
Metric prefixes are used for multiples of the unit, usually:
- kilowatt-hours (kWh), or a thousand watt-hours;
- Megawatt-hours (MWh), or a million watt-hours;
- Gigawatt-hours (GWh), or a billion watt-hours;
- Terawatt-hours (TWh), or a trillion watt-hours.

Electricity production by source, World

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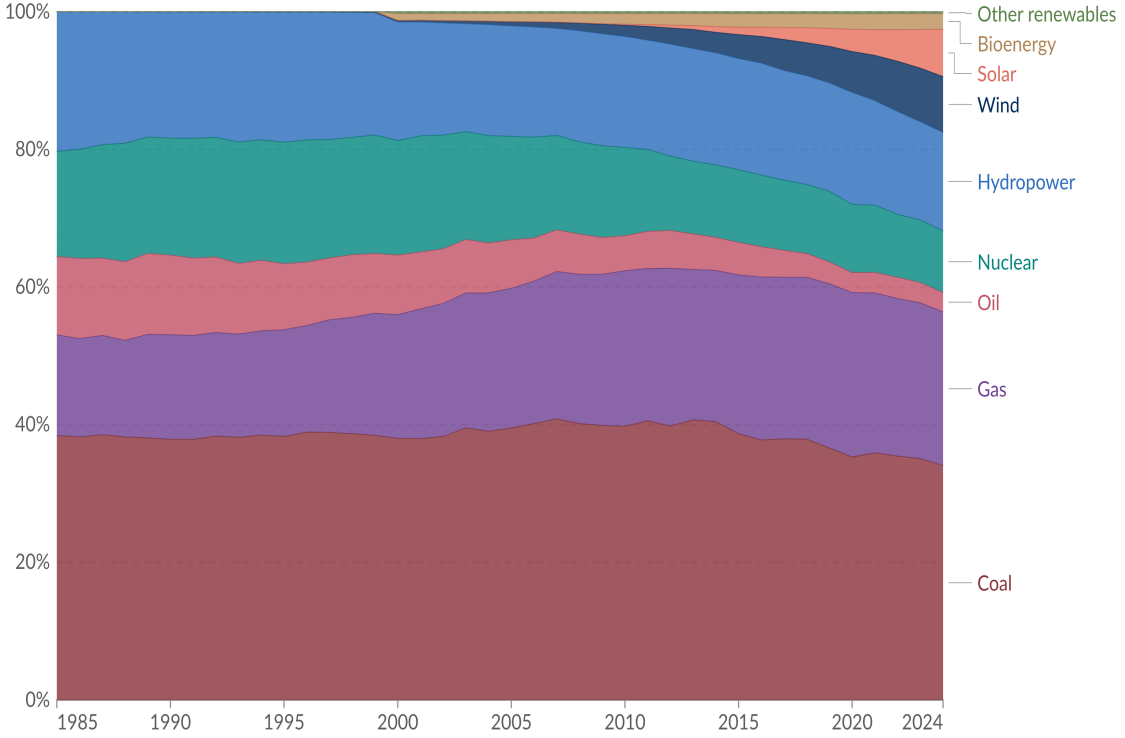

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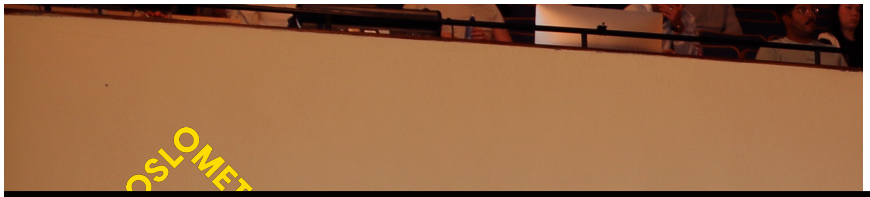
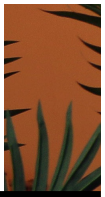


Skatteetaten

Postboks 430, Alnabru, 0614 Oslo

Skattemelding 0400
for formues- og inntektsskatt
lønnstakere og pensjonister mv. 2020



Model Binding

Decision Writeback

Human-AI Handoff

Validation & Oversight

Logic Branching

Decision Lineage

Secure Access to LLMs

Commercial | Open Source | Fine Tuned | Multimodal

Vector Management

Scenarios

Granular AI Guardrails

Tool Factory

AIP

Ontology

Feedback-Driven AI Ops

Automation

Pipeline Building

Application Suite

AI Debugger

Frontline AI Feedback

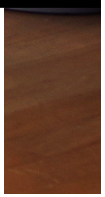
AI Unit Testing

Edge Integration

Attack Monitoring

Multimodal Security

4.2	**Innbo/løsøre, bil, MC, båt mv.**		**106 500**
4.2.3	Innbo/løsøre inkl. båt med salgsv. under kr 50 000		
4.2.5	Bil o.l. listepris som ny kr 450 000, 2012, XN 98666		67 500
4.2.5	Bil o.l. listepris som ny kr 260 000, 2009, HS 65333		39 000
4.2.6	Campingvogn, listepris som ny kr ____, 2007, CE 4630		
.6/4.9	**Sum grunnlag for inntekts- og formuesskatt**	**480 920**	**720 500**



OSLOMET

Spørsmål til refleksjon og diskusjon

- Kan verdien av KI-bruk rettferdiggjøre ressursbruket?
- Er KI-bruk bedre eller værre enn andre teknologier vi bruker?
- Hvem har egentlig ansvaret for bærekraftig bruk av KI?