NIC

2019

Artificial Edition

6-8 February

AI is going to change your world, too!

Elin Hauge
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@HaugeElin

Clueless

Photo by Hitesh Choudhary on Unsplash

The next 40 minutes…

- ✓ What's up with AI?
- ✓ Applications of AI
- ✓ Data - the enabling foundation
- ✓ AI changes the dynamics between business and IT
- ✓ AI in society
- ✓ Famous last words

So, what’s up with AI?

Sensors
Computer Vision
Structured Models
Blockchain
NLP
Internet of Things
Gaming
Robotics
VR & AR
Intent: Restaurant Reservation
People: 4
August 14th, 2015 at 7pm
Command Burger, San Francisc
Sure! I'd be happy t

Main categories of artificial intelligence

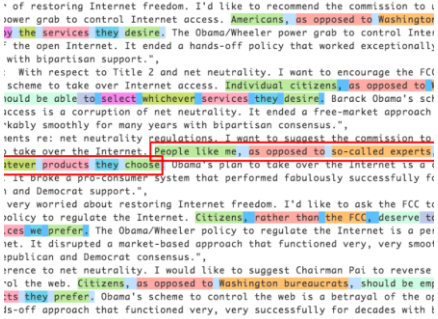
SEE

Computer Vision

E.g. classification of technical drawings

HEAR / READ

Natural Language Processing



E.g. tagging and routing of emails

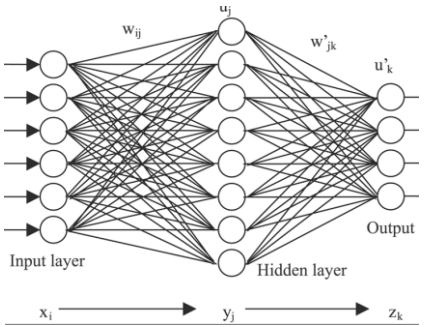
MOVEMENT

Biomechanics

E.g. egg sorting robot arms

REASONING

Make decisions and learn



E.g. predictive maintenance

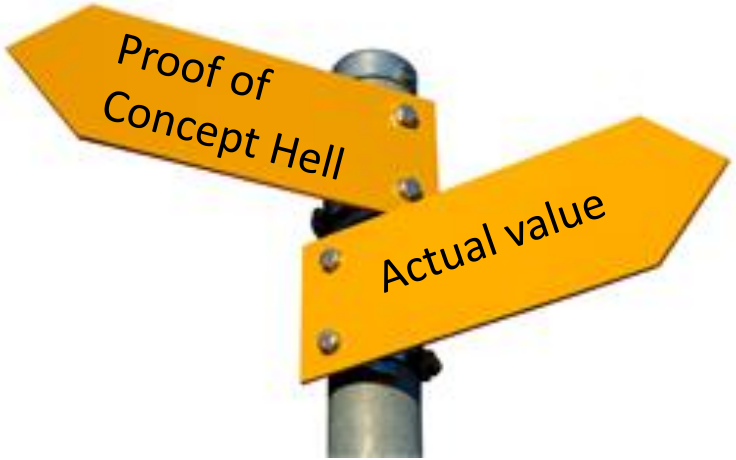
Forbes

1,438 views | Jan 24, 2019, 06:24am

2019: The Year AI Goes Beyond The Hype

Daniel Pitchford Contributor ⓘ
AI & Big Data
I write about AI and its transformative effect on all major industries

The past year has shown the power of artificial intelligence (AI) around the world. Globally, businesses and governments saw 2018 as the breakout year for AI, with venture capitalists pushing 47% more investment in 2018 into AI businesses in the UK alone. The increased use of AI had a seismic impact on consumers' daily lives in ways many do not even realise – take, for example, daily Spotify and Netflix recommendations.



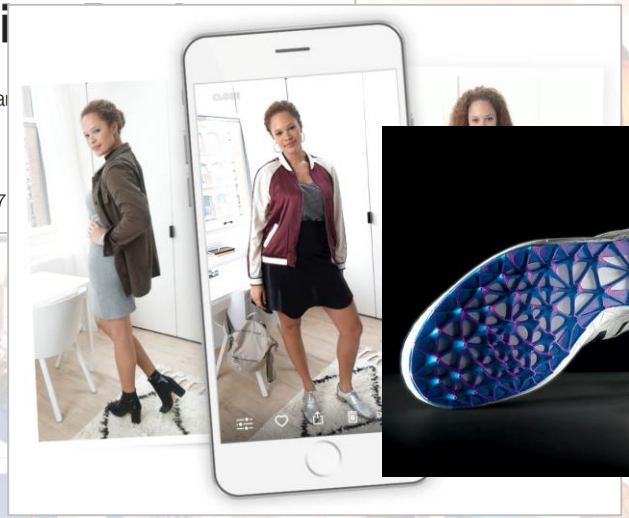
Applications of AI

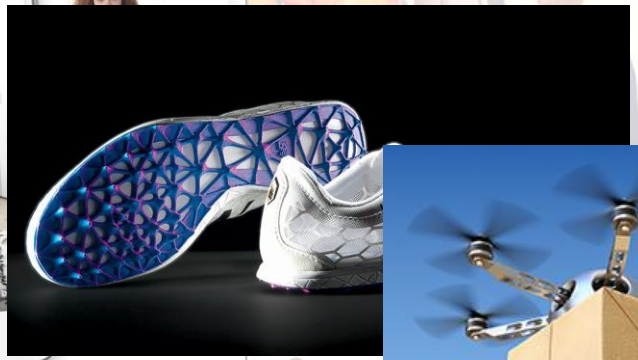
Intelligent Machines

Amazon Has Developed an AI Fashi

The retail giant is taking a cha
approach to fashion.

by Will Knight August 24, 2017





Rolls-Royce

Digitalisering gir nye vekstmuligheter for norsk industri

MEETING / 24 MAY, 2017

Technology Innovation To Support Paris Agreement Implementation

During the recent UN Climate Change Conference in Bonn (8-18 May), a special event on innovation underlined the importance of technological innovation for achieving the goals of the Paris Climate Change Agreement.

Report Summary —

The EAT-Lancet Commission on Food, Planet, Health

Can we feed a future population of 10 billion people a healthy diet within planetary boundaries?

Erna Solberg

Erna Solberg, statsminister (H)

Med egne ord

Rustet for digital revolusjon

Norge må utnytte mulighetene robotisering, kunstig intelligens, stordata og annen ny teknologi gir.

Publisert: 25.01.19 – 19.50 Oppdatert: 7 dager siden

DN Mitt DN

Endelig i gang med en nasjonal strategi for kunstig intelligens

Regjeringen har endelig startet arbeidet med en etterlengtet nasjonal strategi.

Publisert: 05.02.19 – 17.53 Oppdatert: en time siden

Statsminister Erna Solberg og digitaliseringsminister Nikolai Astrup har startet arbeidet med en lenge Mer...

Magnus Eidem Følg meg

It is **NOT** about use cases

It is about **ACCESS TO DATA**

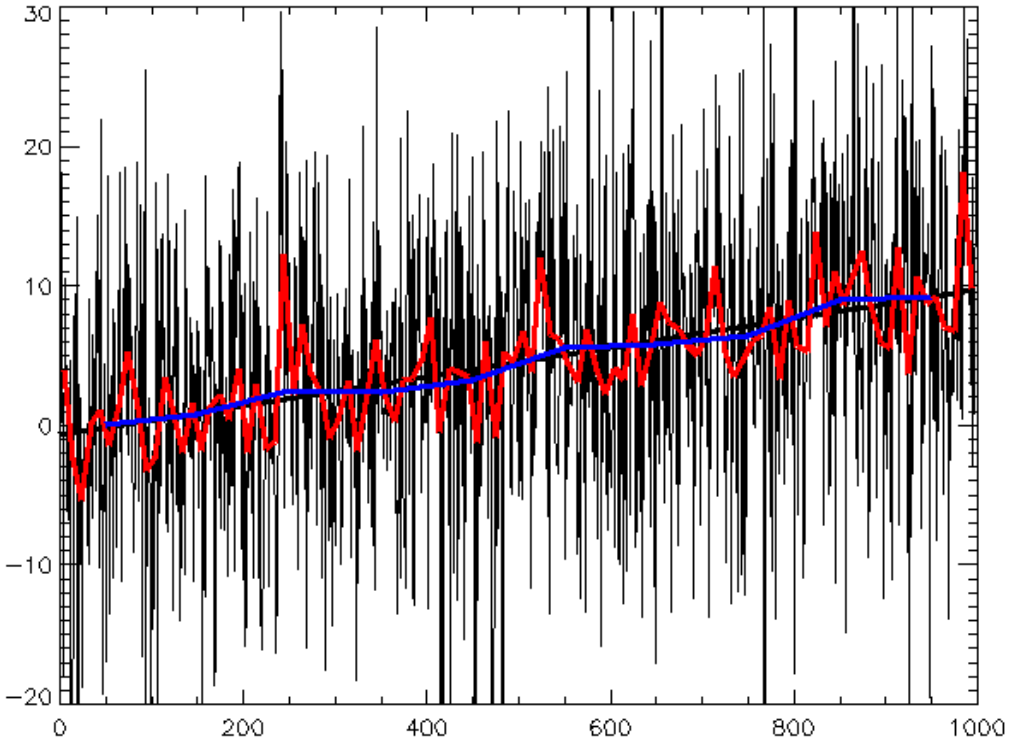
Data – the enabling foundation

26bn devices

in 2019

Complex IoT
Landscape

Time series



Source: Wikipedia

~~DELETE~~

~~UPDATE~~

INSERT

«Democratize AI!»

«Make AI transparent!»

Fact:

Machine learning is the main method of AI.

Machine learning is mathematics and statistics formulated as computerized algorithms.

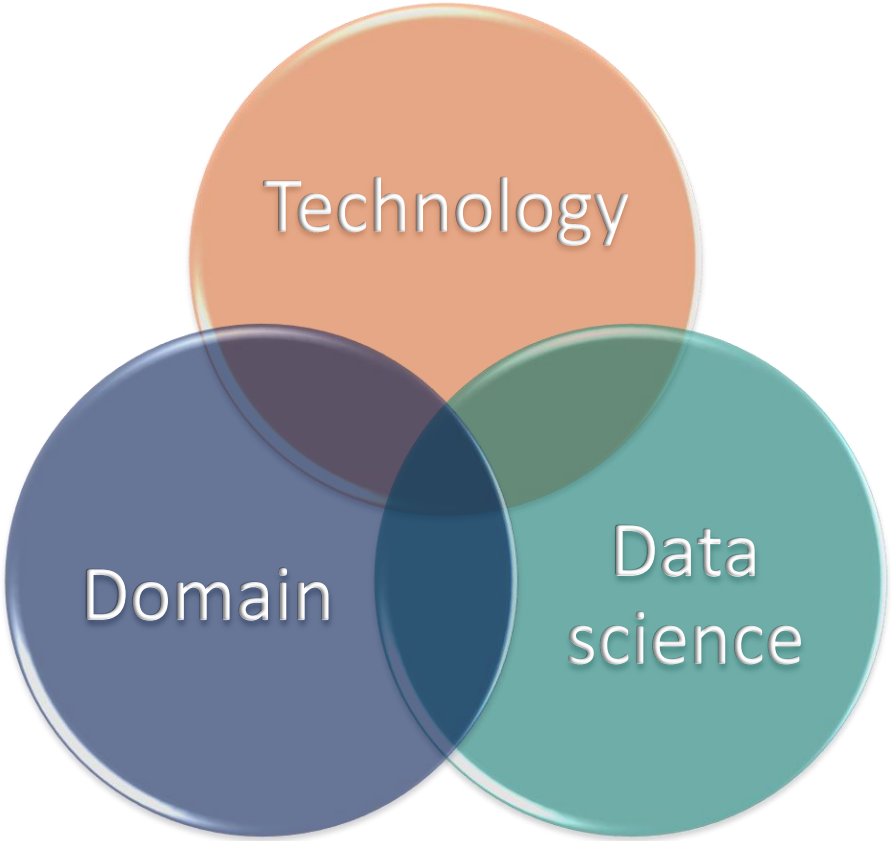
Photo by Samuel Zeller on Unsplash

AI changes the dynamics between business and IT

Role Of CIO Is Changing And Growing In Importance, Say New Forbes Insights Studies

Forbes Corporate Communications Forbes Staff

NEW YORK (March 28, 2018)—Digital technology is increasingly transforming industries, seeping into every part of the business and escalating as a corporate priority. It's therefore no surprise that the role of the chief information officer (CIO) is also transforming and increasing in importance.


Technology
Domain
Data science

AI in society

- a couple of reflections

Photo by Fares Hamouche on Unsplash

Data is neutral

- subset of history
- selection bias introduced by human intereference

AI is neutral

- algorithms only reflect the training data

Human interpretation is biased, stereotyped, and prejudiced

RESPONSIBILITY

Photo by Liane Metzler on Unsplash

Famous last words… ☺

Revoke UPDATE, DELETE on everything by everyone;

For all new data <> [empty]

    INSERT new row

    Copy old row to history_table

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