

ARTIFICIELL INTELLIGENS

I vård och omsorg



Agenda

Presentation

Vad är artificiell intelligens?

Vad kan artificiell intelligens göra?

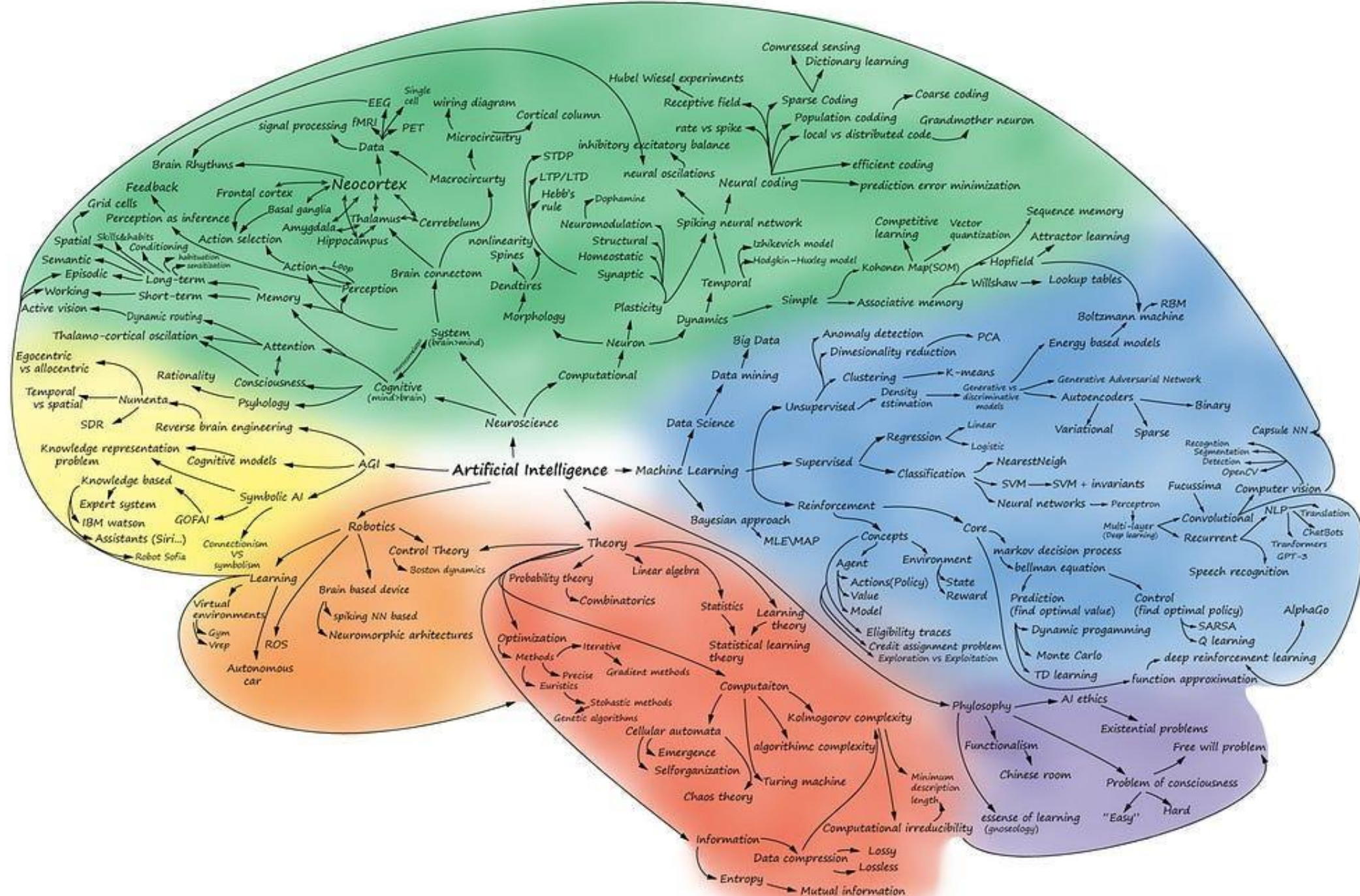
Exempel på möjliga appliceringar i vården

Vad gör mitt företag

Q & A

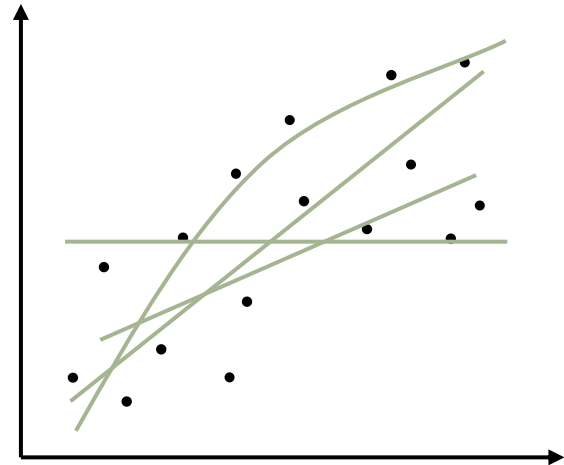
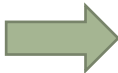
Presentation

VAD ÄR ARTIFICIELL INTELLIGENS?

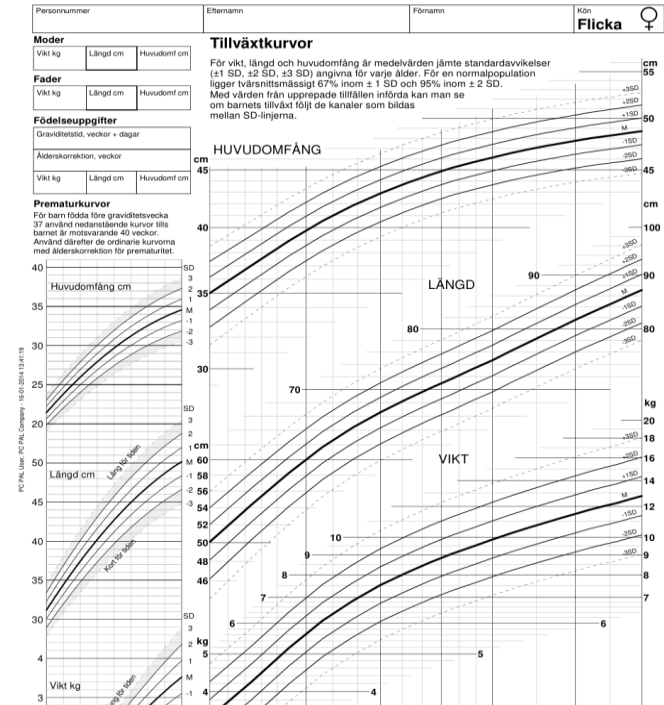


ALGORITMER

Ålder (mån)	Vikt (kg)
2	4,8
1	4,3
5	6,9
12	11,7
21	14,2
5	7,5
9	9,0
...	...

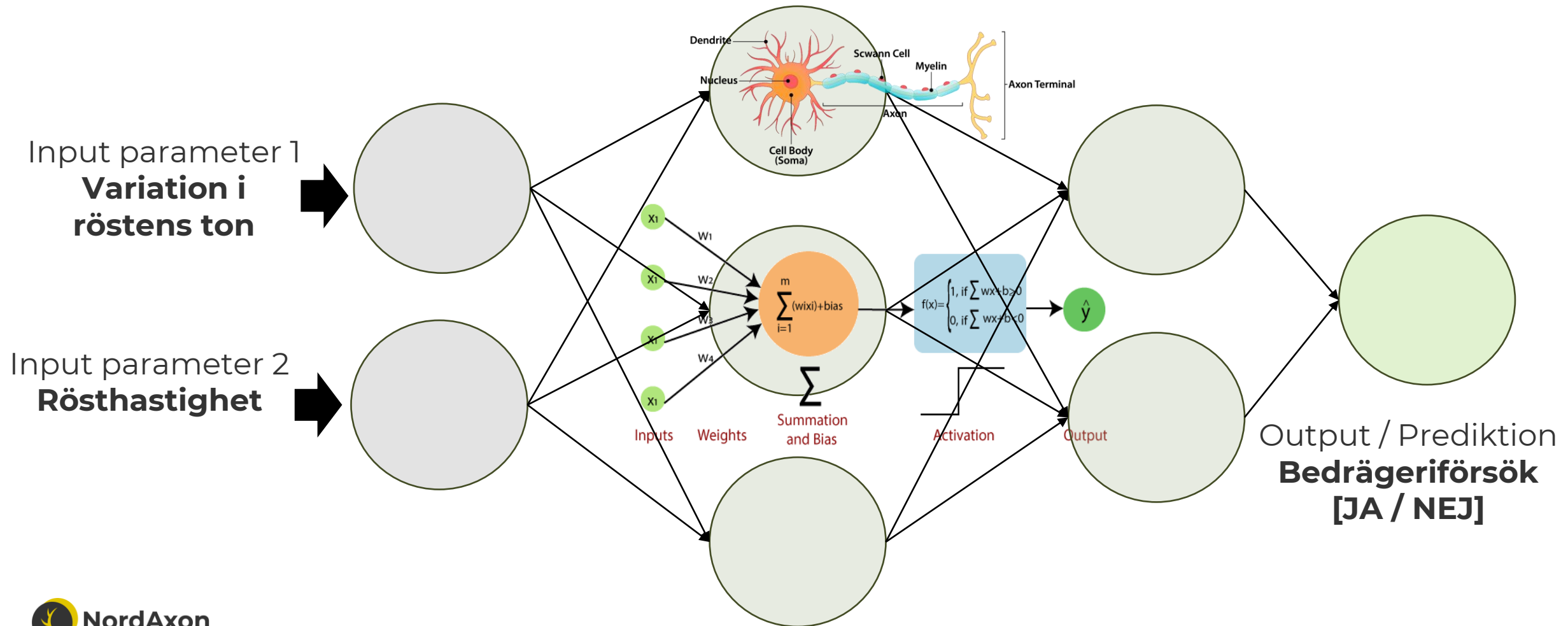


REGRESSION

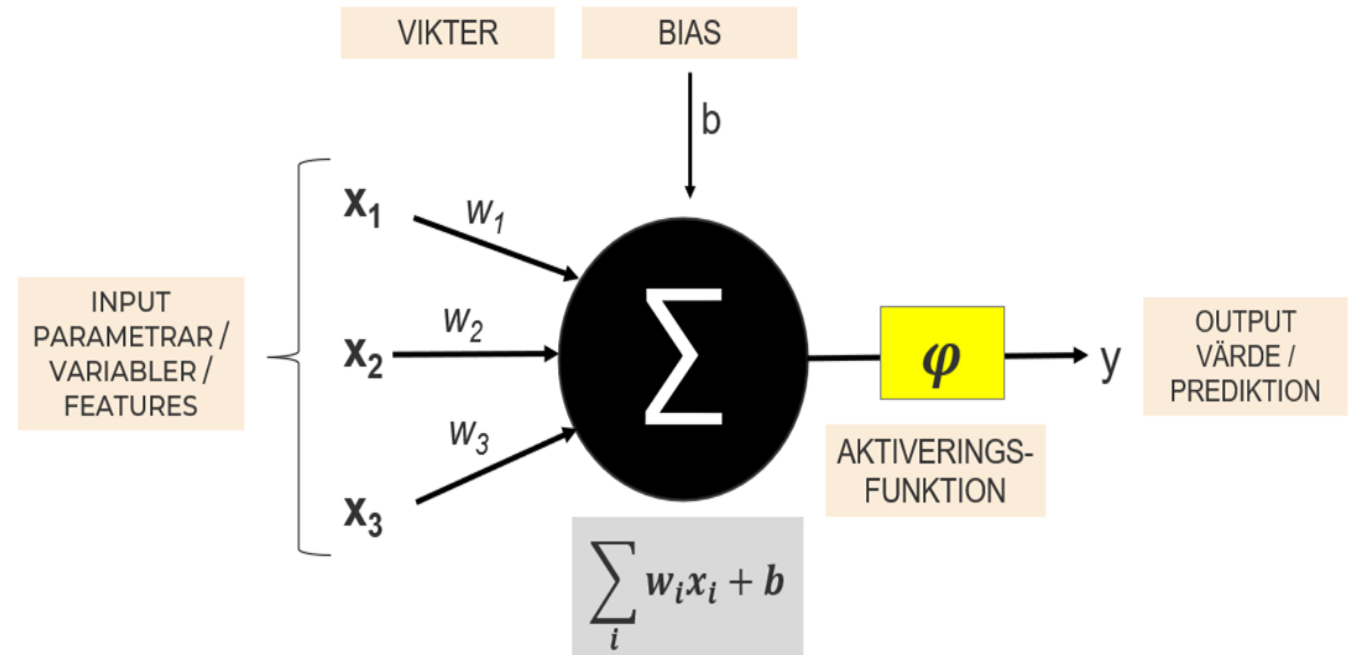
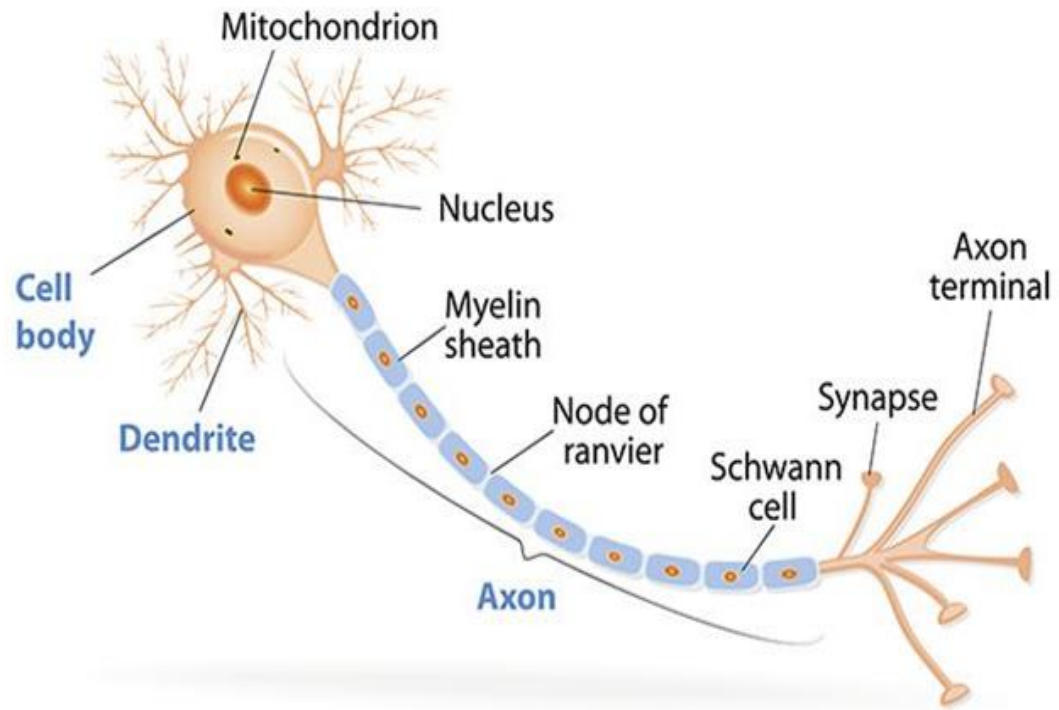


NEURALA NÄTVERK

Sentiment analys av ett samtal under skadeanmälan via telefon.

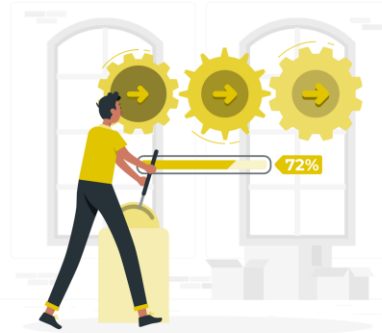
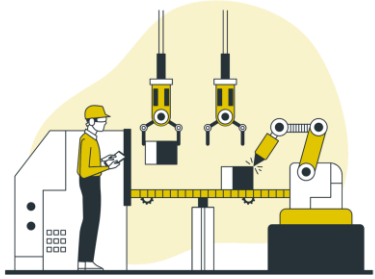


DIGITALA NEURONER



VAD KAN ARTIFICIELL INTELLIGENS GÖRA

DOMÄNER FÖR AI



OPTIMERA

Optimera priser och villkorsändringar

Optimera arbetsflöden

Optimera bemanning och arbetsscheman

PREDIKTERA

Kundbortfall "churn"

Effekt av marknadsföring

Risk för bedrägeri

AUTOMATISERA

Klassificering av bilder

Avstämningar

Konkurrensanalys

ANPASSA

Individanpassa kampanjer

Anpassa kommunikation efter kontext och mottagare

Hemsida och app

INTERAGERA

Svara på frågor i kundtjänst och skador

Generera sammanfattningar, hitta nyckelinformation

Generera kod, bilder, design

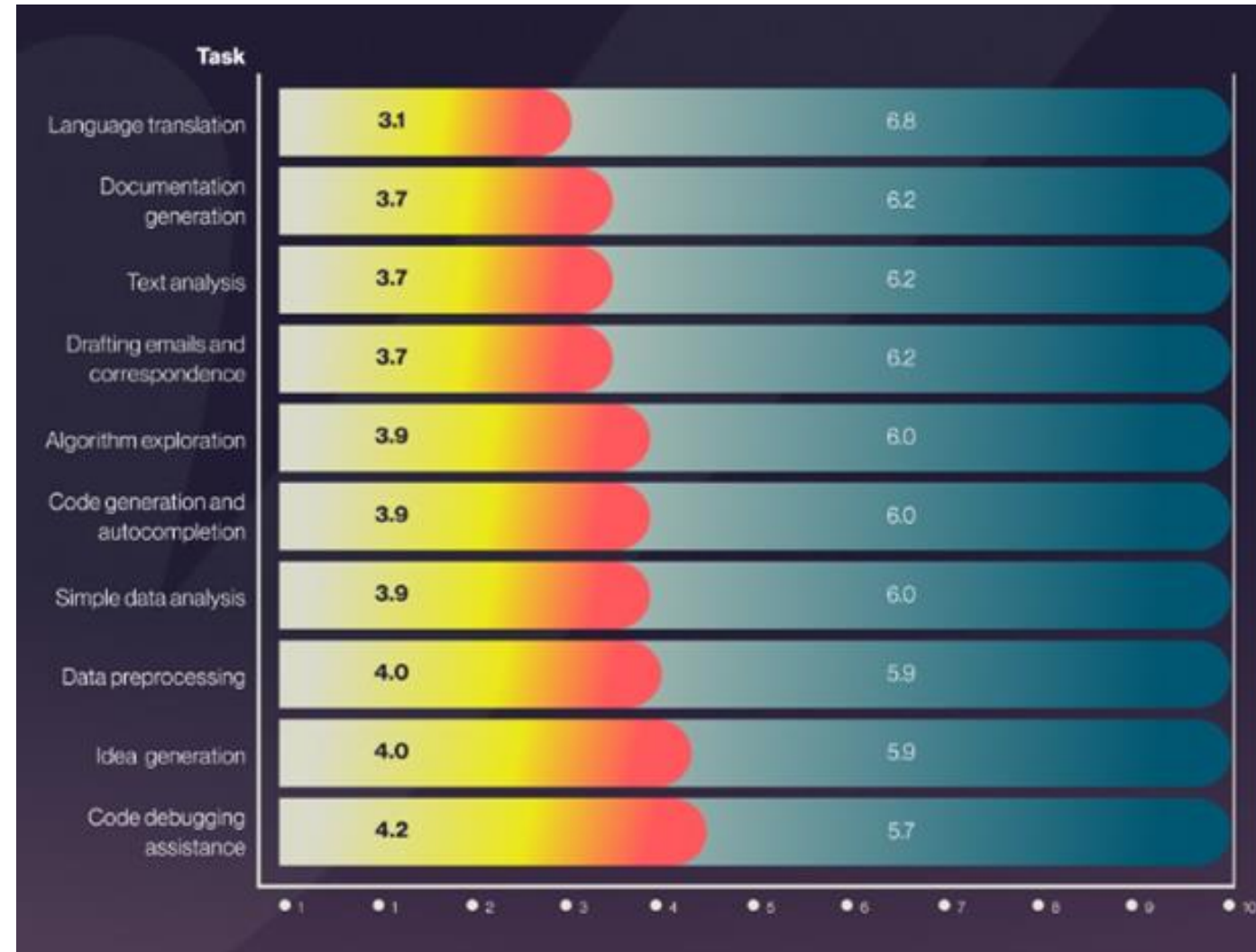
SPARA TID MED AI

Användning av Gen AI ökar produktivitet med 150%

- Produktivitetsökning genom användning av GenAI drivna lösningar (ChatGPT-liknande, Copilot ...)
- Antagande att en arbetsuppgift tar 10h att avsluta utan användningen.

 Medeltid [h] med GenAI

 Medeltid [h] sparad genom användning av GenAI

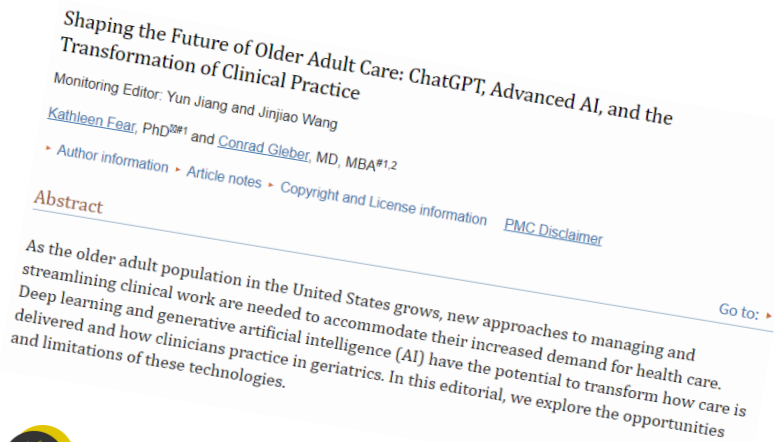


MÖJLIGA APPLICERINGAR I VÅRDEN

EXEMPEL



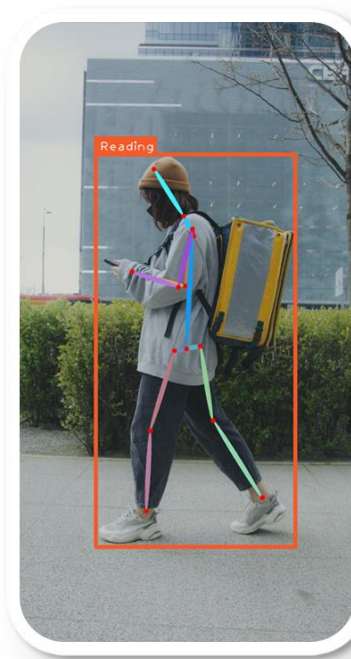
Early Prediction through AI: Machine learning applied to clinical data can predict Alzheimer's onset with 72% accuracy up to seven years in advance.



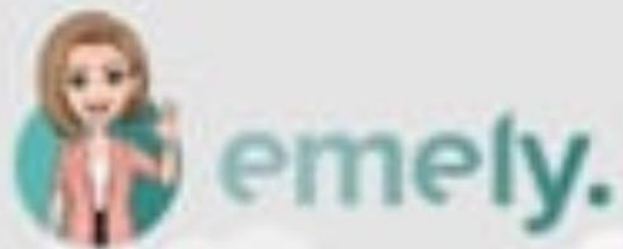
Using deep-learning models trained on data from 284,335 patients and validated on two independent datasets of 12,026 and 999 patients, we predicted cardiovascular risk factors not previously thought to be present or quantifiable in retinal images, such as age (mean absolute error within 3.26 years), gender (area under the receiver operating characteristic curve (AUC) = 0.97), smoking status (AUC = 0.71), systolic blood pressure (mean absolute error within 11.23 mmHg) and major adverse cardiac events (AUC = 0.70). We also show that the trained deep-learning models used anatomical features, such as the optic disc or blood vessels, to generate each prediction.

Question Can an artificial intelligence chatbot assistant, provide responses to patient questions that are of comparable quality and empathy to those written by physicians?

Findings In this cross-sectional study of 195 randomly drawn patient questions from a social media forum, a team of licensed health care professionals compared physician's and chatbot's responses to patient's questions asked publicly on a public social media forum. The chatbot responses were preferred over physician responses and rated significantly higher for both quality and empathy.



SPRÅKTRÄNING



AI-driven språkassistent för **dialogträning** inom olika samtalsdomäner

ADMIN & TRANSKRIBERING

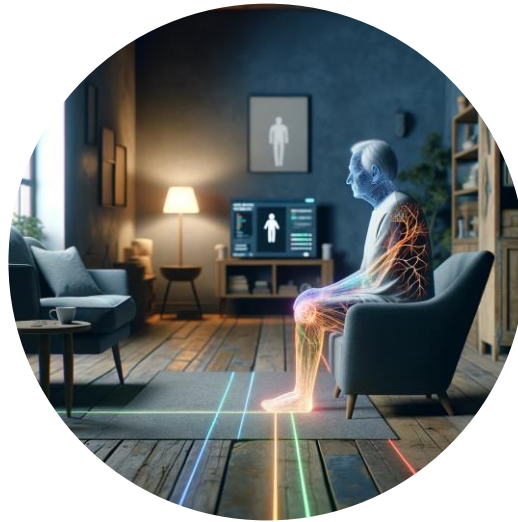
**Kund ringer till
försäkringsbolaget...**



EXEMPEL



Tolk



Larm och övervakning



Rumsassistent

EXEMPEL



Resursplanerare



Diagnos



Individualiserad vård

DOMÄNKUNSKAP





NORDAXON

Team



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MARCEL NILSSON

ML Engineer / Data Engineer

Engineering Physics spec.Machine Learning (LTH)

Services



AI & DATA ADVISORY

Professional guidance along inevitable data-driven and AI-adaptation journey.

Our advisory covers: data governance and data quality, opportunity and AI maturity assessments.



AI/ML EXPLORE & DEPLOY

We explore data and build ML models for business beneficial decisions and outputs.

We work in agile way, creating end-to-end solutions in clouds and on-prem.



AI/ML UPGRADING EMPLOYEES & LEADERS

We offer custom courses designed to equip your employees and leaders with the necessary skills for AI/ML strategy discussions, practical implementations, and informed decision-making.



DATA-DRIVEN CONSULTING

Allocation of our skilled resources to your data driven projects, fulltime or part time.

Consultant profiles: Data Scientists, Data & ML Engineers, Project Managers, Solution Architects, Product Owners.



NORDAXON AI- LÖSNINGAR OCH TIDIGARE UPPDRAG

PRODUKTER



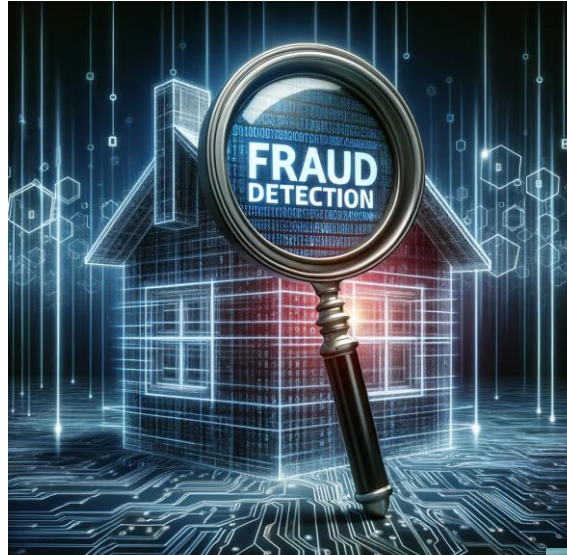
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www.emely.se



BA BEL  FISK

KONSULTERING





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