Bruk av kunstig intelligens i forskning på hjerneavbildningsdata

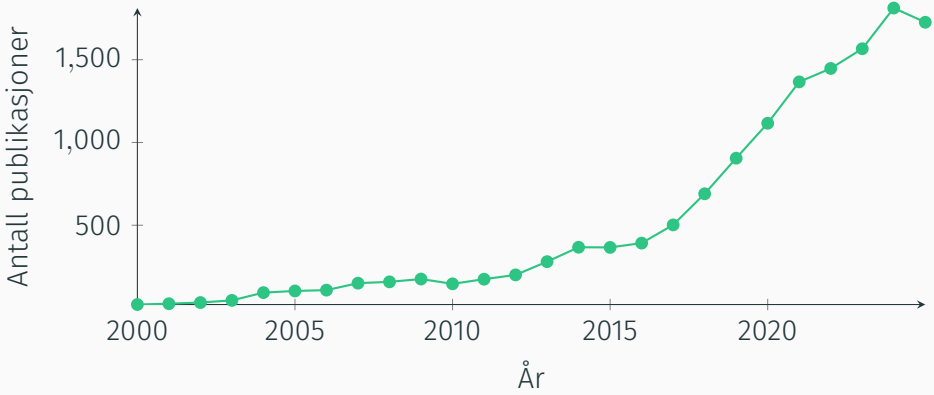
Esten H. Leonardsen

Post-doktor ved Psykologisk institutt,
Universitet i Oslo

Chief Scientific Officer, baba.vision

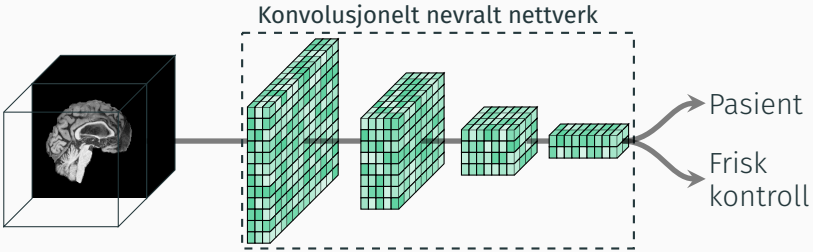
UNIVERSITETET
I OSLO

Kunstig intelligens og hjerneavbildning

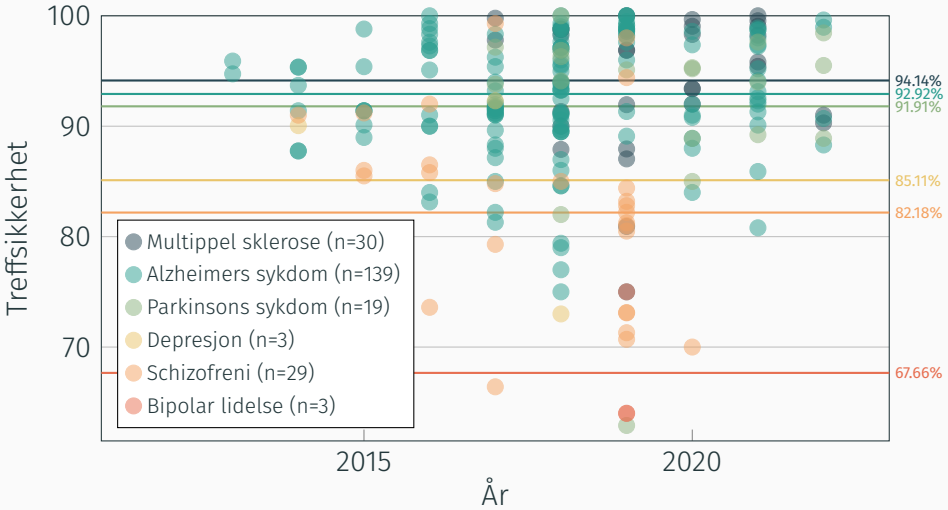


Artikler som inneholder "neuroimaging OG (artificial intelligence ELLER machine learning ELLER deep learning)"
fra https://pubmed.ncbi.nlm.nih.gov

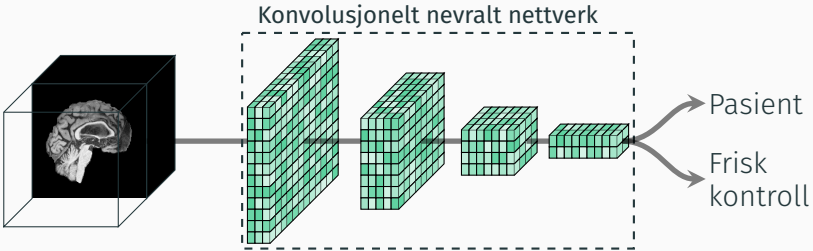
Kunstig intelligens og hjerneavbildning



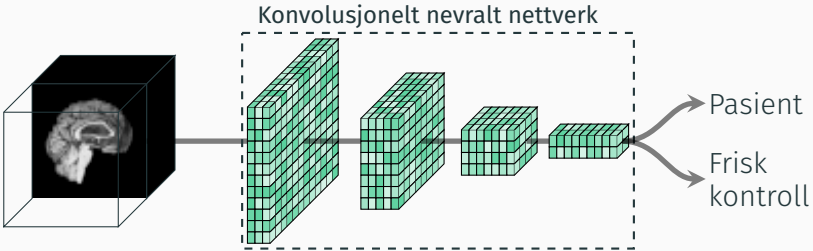
Kunstig intelligens og hjerneavbildning



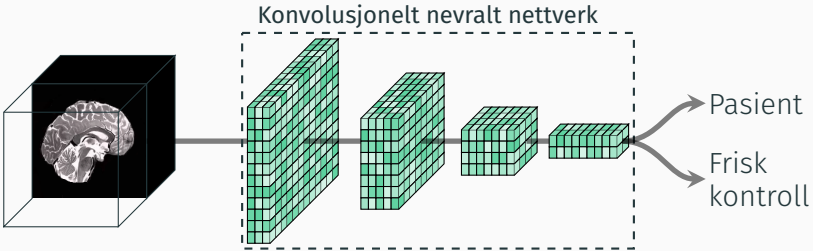
Forskjeller i bildeprotokoller



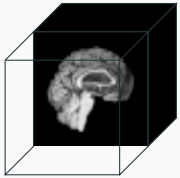
Forskjeller i bildeprotokoller

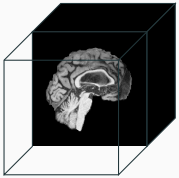


Forskjeller i bildeprotokoller



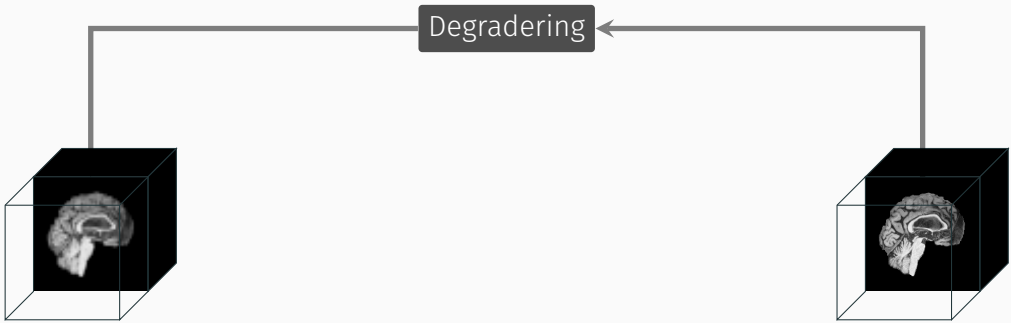
Forskjeller i bildeprotokoller





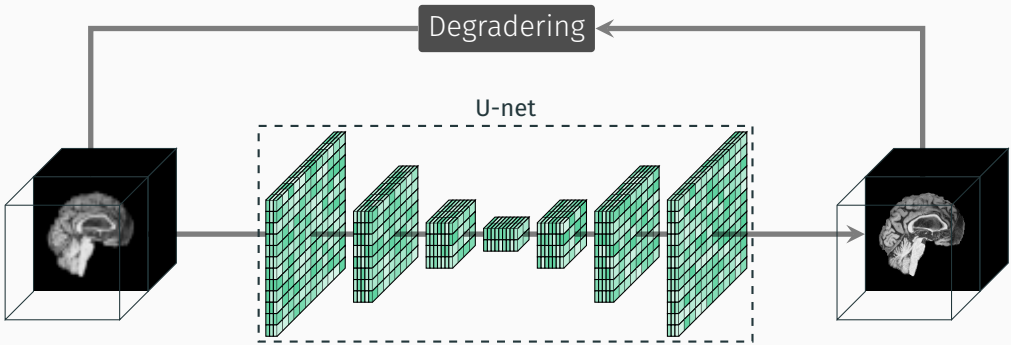
Juan E. Iglesias et al., SynthSR: A public AI tool to turn heterogeneous clinical brain scans into high-resolution T1-weighted images for 3D morphometry. *Science Advances* (2023)

Forskjeller i bildeprotokoller



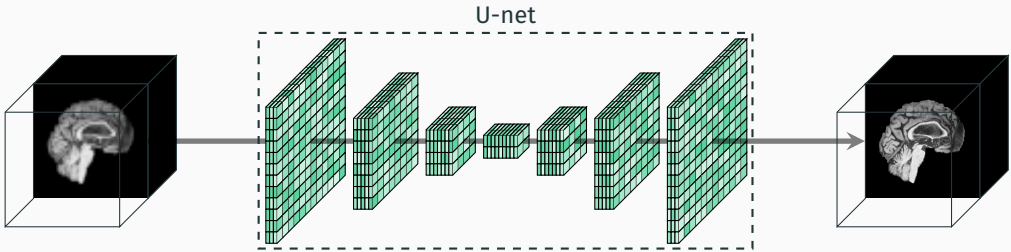
Juan E. Iglesias et al., SynthSR: A public AI tool to turn heterogeneous clinical brain scans into high-resolution T1-weighted images for 3D morphometry. *Science Advances* (2023)

Forskjeller i bildeprotokoller



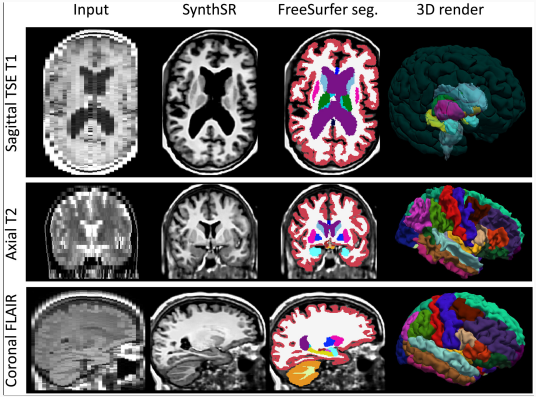
Juan E. Iglesias et al., SynthSR: A public AI tool to turn heterogeneous clinical brain scans into high-resolution T1-weighted images for 3D morphometry. *Science Advances* (2023)

Forskjeller i bildeprotokoller



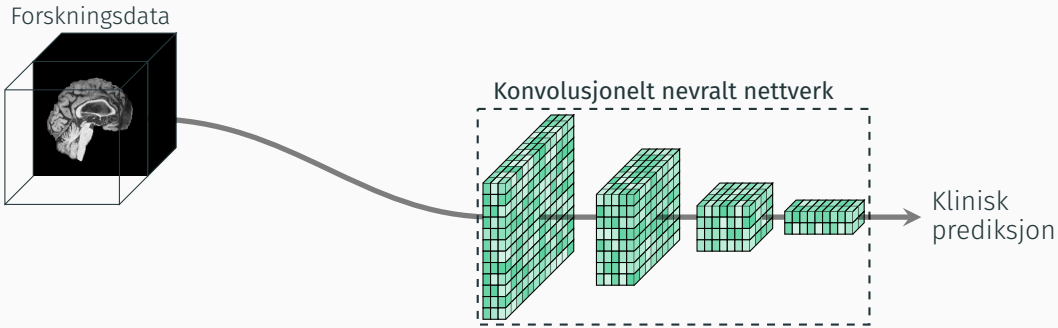
Juan E. Iglesias et al., SynthSR: A public AI tool to turn heterogeneous clinical brain scans into high-resolution T1-weighted images for 3D morphometry. *Science Advances* (2023)

Forskjeller i bildeprotokoller

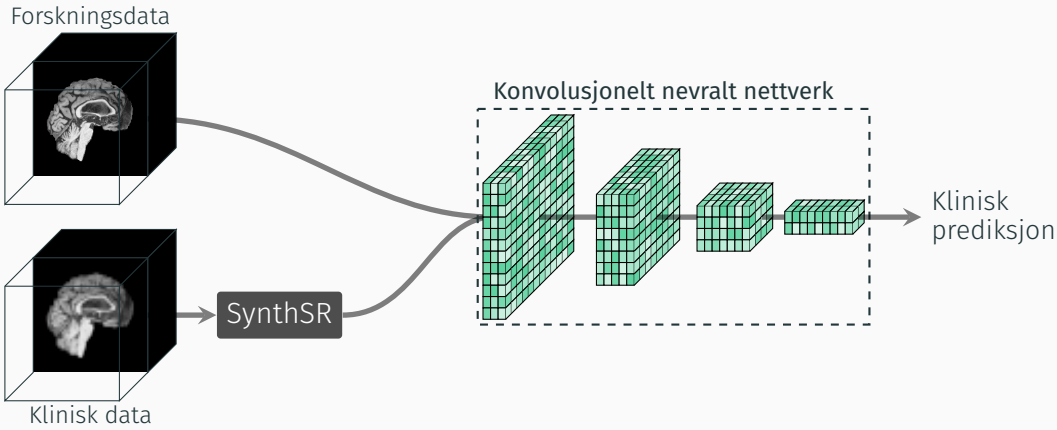


Juan E. Iglesias et al., SynthSR: A public AI tool to turn heterogeneous clinical brain scans into high-resolution T1-weighted images for 3D morphometry. *Science Advances* (2023)

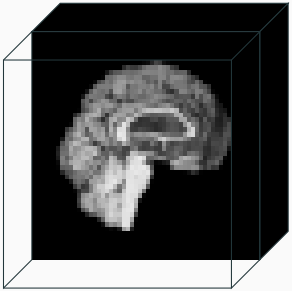
Forskjeller i bildeprotokoller

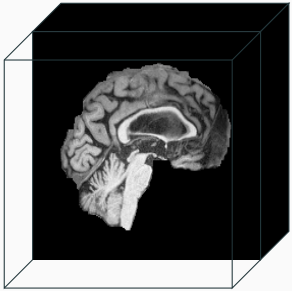


Forskjeller i bildeprotokoller

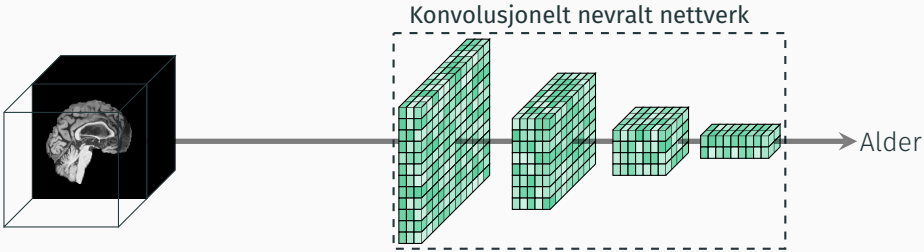


Forskjeller i bildeprotokoller

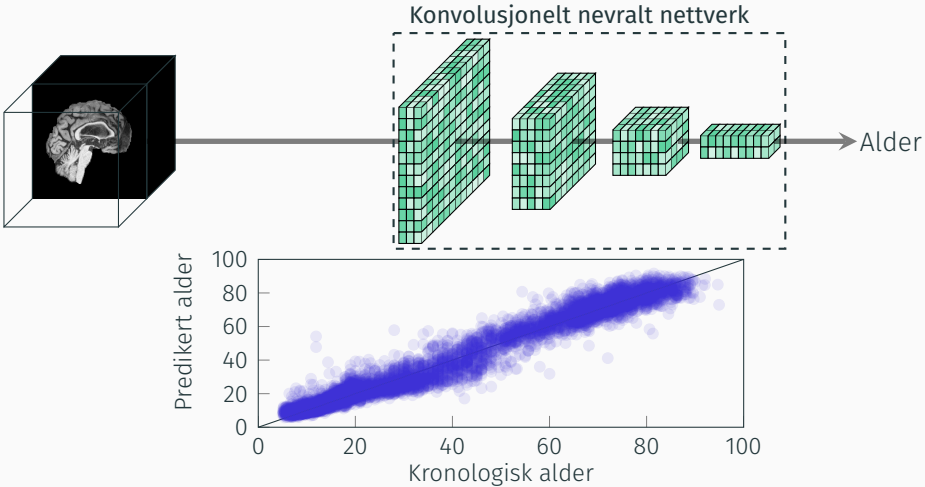




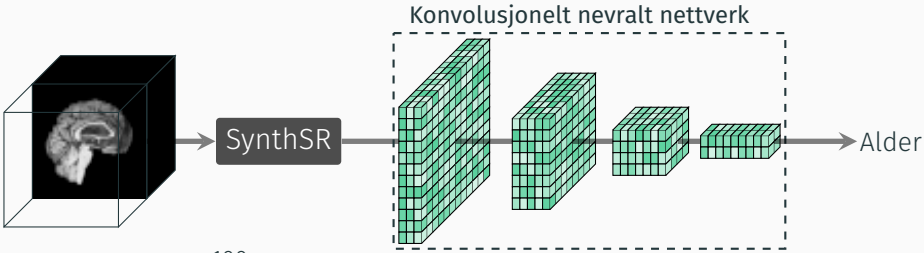
Forskjeller i bildeprotokoller

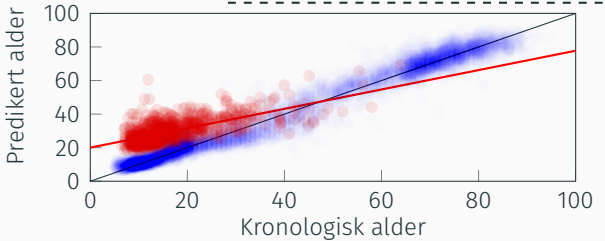


Forskjeller i bildeprotokoller

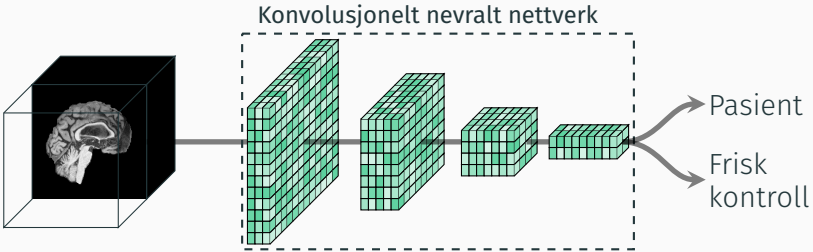


Forskjeller i bildeprotokoller

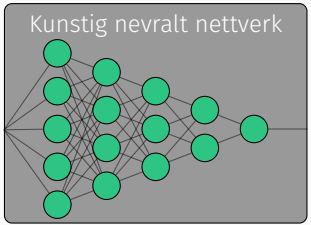




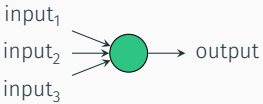
Forklarbarhetsproblemet med kunstig intelligens



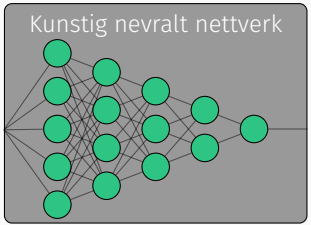
Forklarbarhetsproblemet med kunstig intelligens



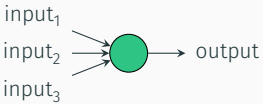
Kunstig nevron



Forklarbarhetsproblemet med kunstig intelligens

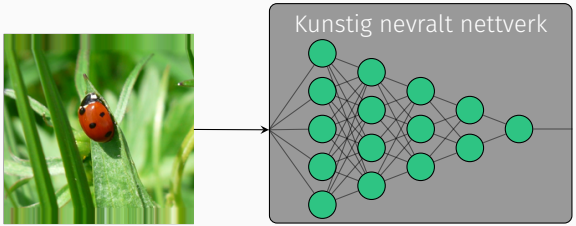


Kunstig nevron

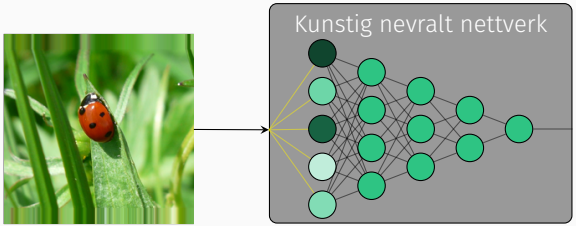


$$\text{output} = \max(0, b + \text{input}_1 * w_1 + \text{input}_2 * w_2 + \text{input}_3 * w_3)$$

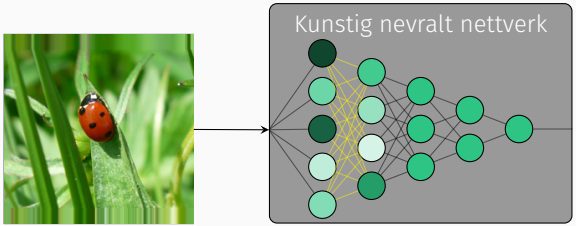
Forklarbarhetsproblemet med kunstig intelligens



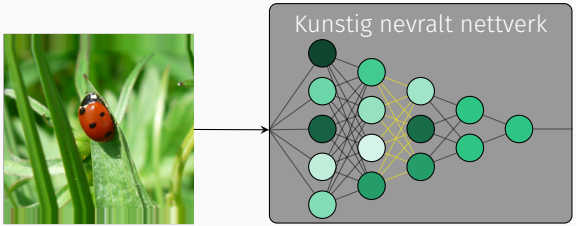
Forklarbarhetsproblemet med kunstig intelligens



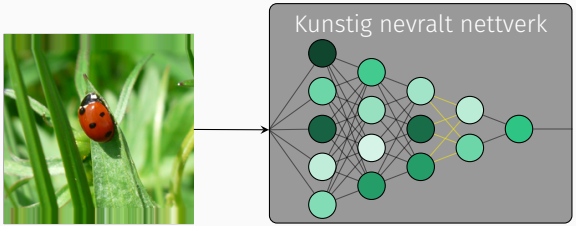
Forklarbarhetsproblemet med kunstig intelligens



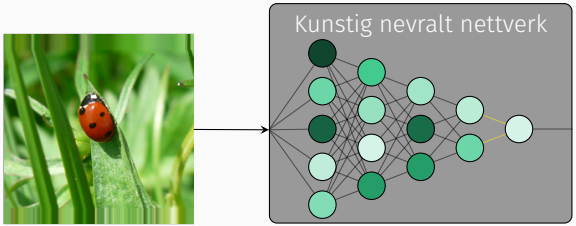
Forklarbarhetsproblemet med kunstig intelligens



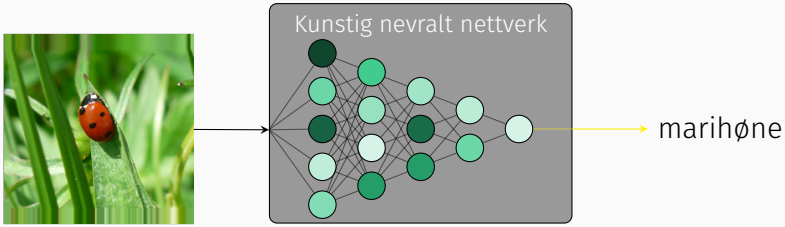
Forklarbarhetsproblemet med kunstig intelligens



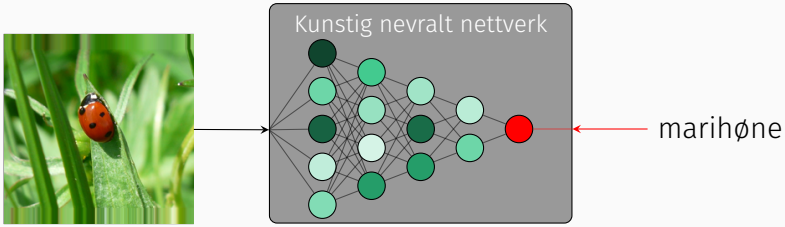
Forklarbarhetsproblemet med kunstig intelligens



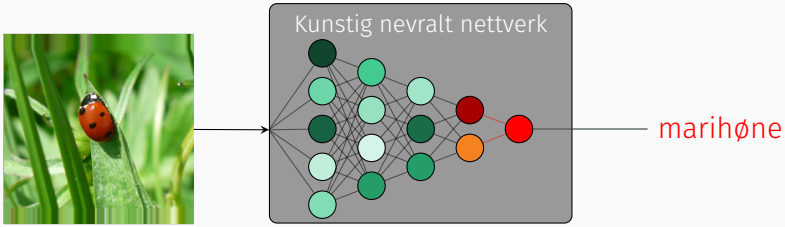
Forklarbarhetsproblemet med kunstig intelligens



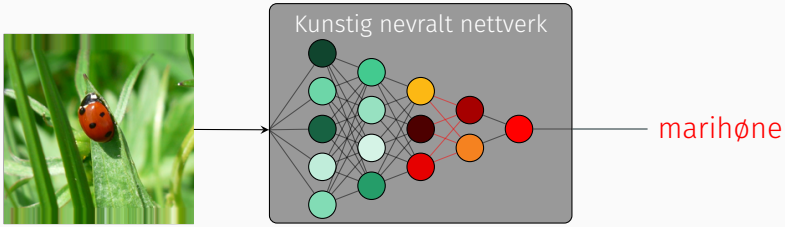
Forklarbarhetsproblemet med kunstig intelligens



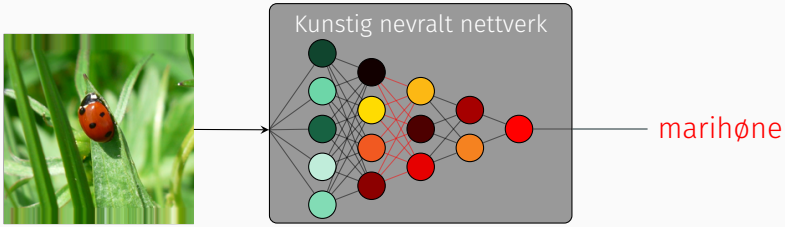
Forklarbarhetsproblemet med kunstig intelligens



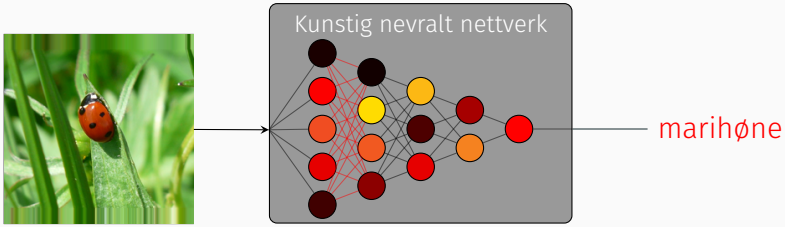
Forklarbarhetsproblemet med kunstig intelligens



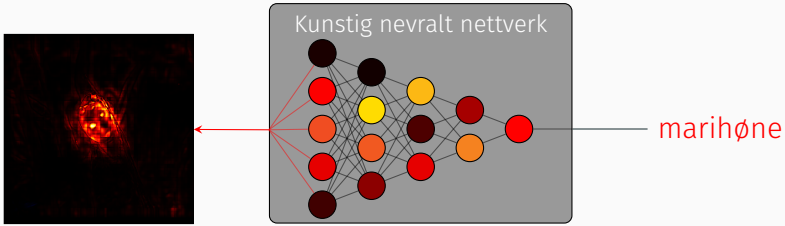
Forklarbarhetsproblemet med kunstig intelligens



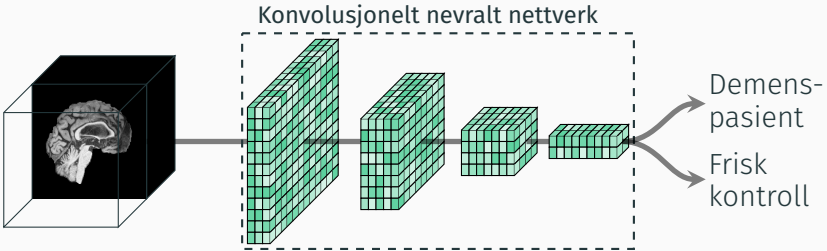
Forklarbarhetsproblemet med kunstig intelligens



Forklarbarhetsproblemet med kunstig intelligens

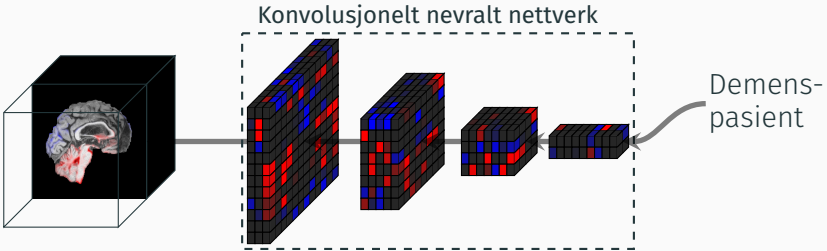


Forklarbar kunstig intelligens og demens



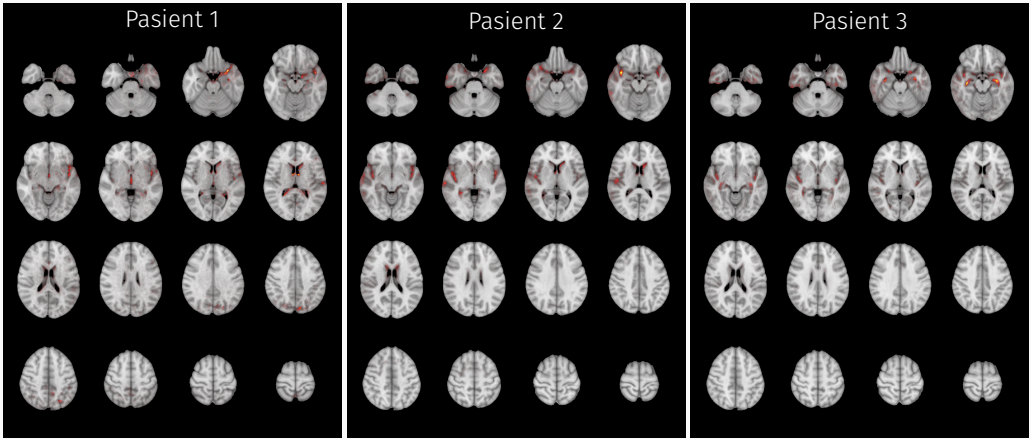
Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

Forklarbar kunstig intelligens og demens



Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

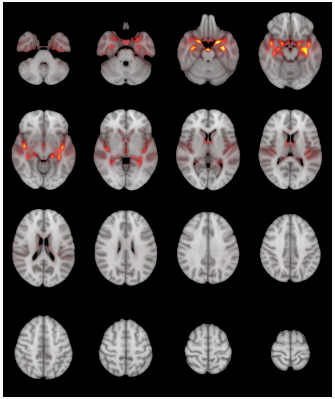
Forklarbar kunstig intelligens og demens



Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

Forklarbar kunstig intelligens og demens

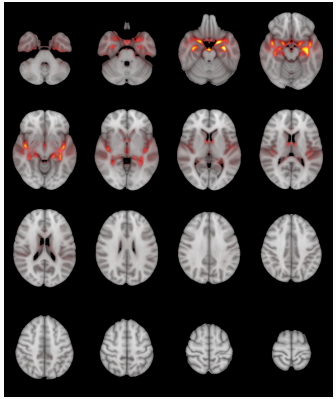
Forklarbar KI



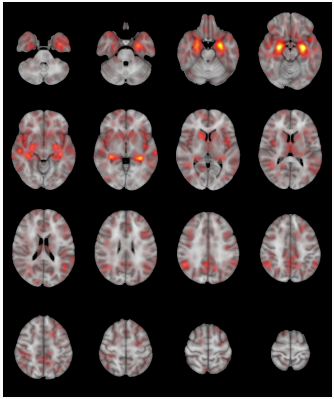
Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

Forklarbar kunstig intelligens og demens

Forklarbar KI

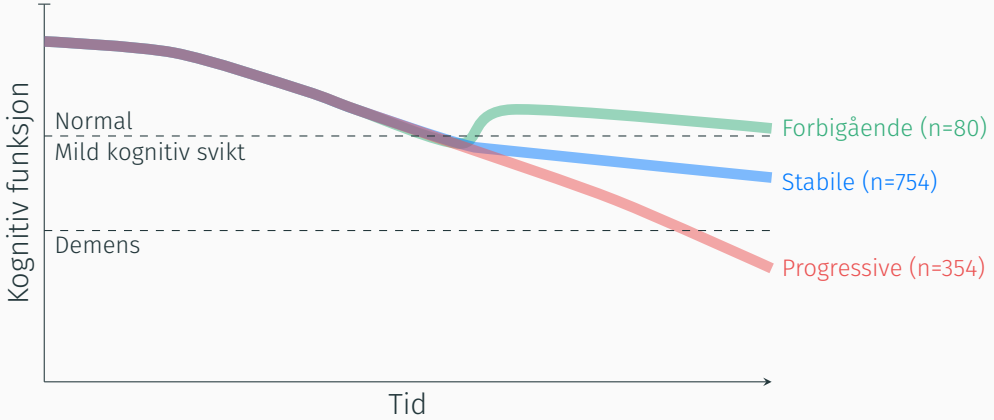


Mennesker



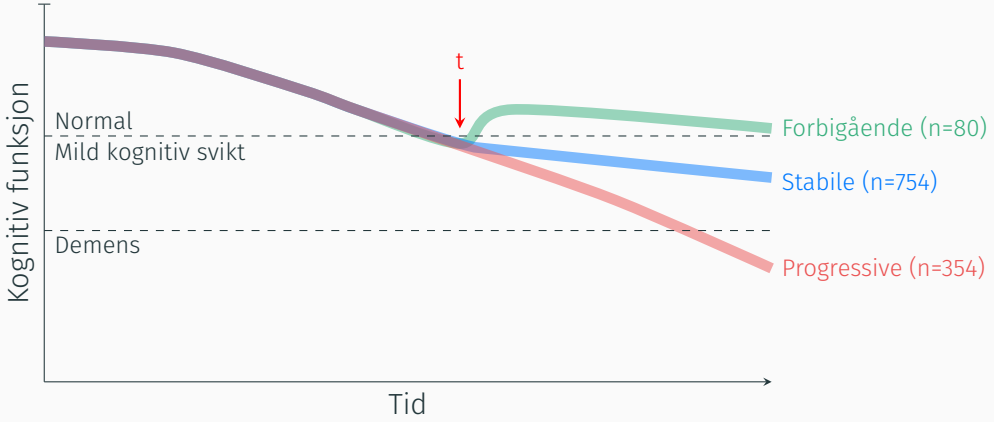
Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

Forklarbar kunstig intelligens og demens



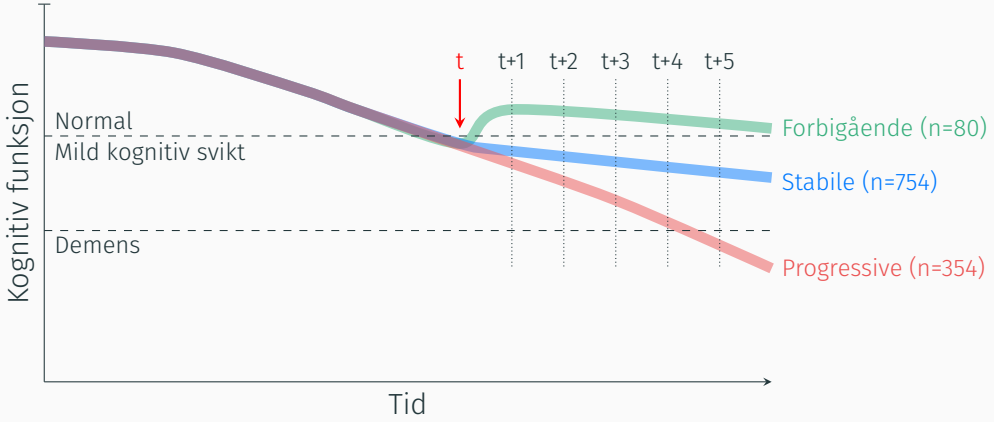
Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

Forklarbar kunstig intelligens og demens



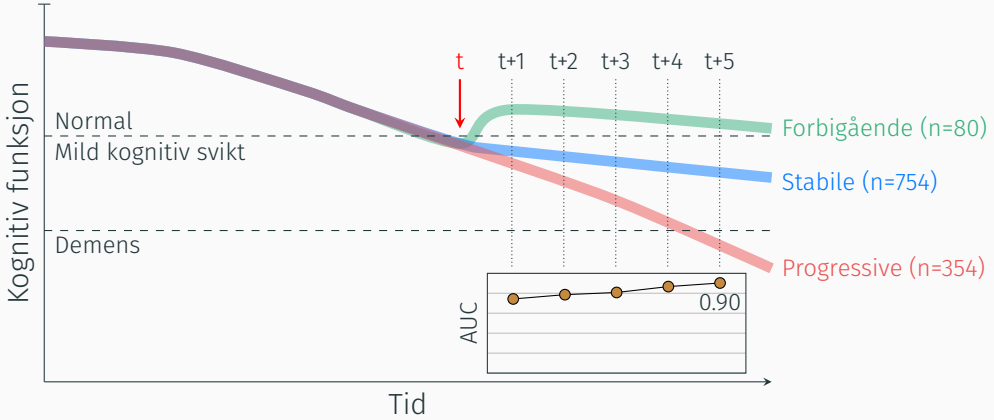
Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

Forklarbar kunstig intelligens og demens



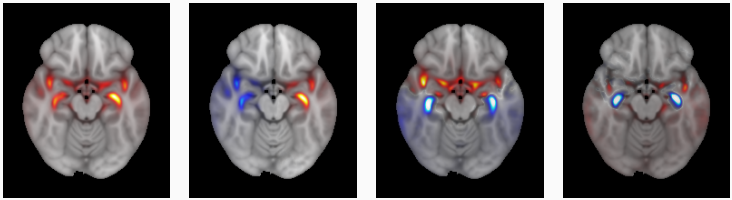
Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

Forklarbar kunstig intelligens og demens



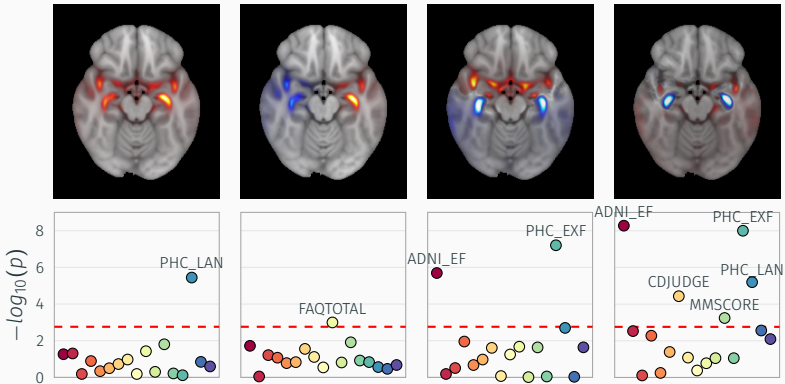
Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

Forklarbar kunstig intelligens og demens



Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

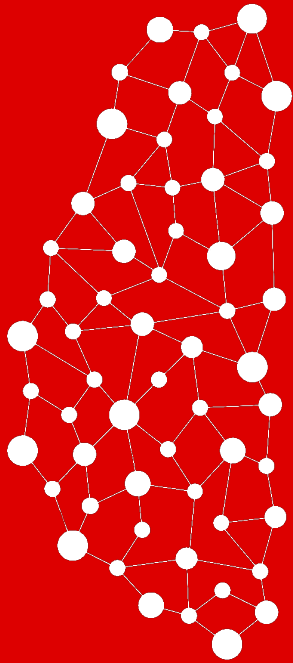
Forklarbar kunstig intelligens og demens



Esten H. Leonardsen et al., Constructing personalized characterizations of structural brain aberrations in patients with dementia using explainable artificial intelligence. *npj Digital Medicine* (2024)

Takk for oppmerksomheten!

estenhl@uio.no



UNIVERSITETET
I OSLO