Examining the brain with explainable artificial intelligence

Characterizing diversity in patients with dementia



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Dementia clinical



Dementia neuroimaging



Dementia prevalence



Dementia heterogeneity



Technical approach

Dataset characteristics



Technical approach

Model training



Technical approach

Model evaluation



Explainable artificial intelligence

Neural network



Explainable artificial intelligence

Forward pass



Explainable artificial intelligence

Explainability



Examples



Explainable AI: Caveats

Prediction



Explainable AI: Caveats

Edge detector



Dementia average



ALE average



Overlaps



Takk for oppmerksomheten! estenhl@uio.no



