

Neural Network Based Decision Trees Using Machine Learning for Alzheimer's Diagnosis

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Abstract : Alzheimer's disease is one of the prevalent kind of ailment, expected for impudent reconciliation or an effectual therapy is to be accredited hitherto. Probable detonation of patients in the upcoming years, and consequently an enormous deal of apprehension in early discovery of the disorder, this will conceivably chaperon to enhanced healing outcomes. Complex impetuosity of the brain is an observant symbolic of the disease and a unique recognition of genetic sign of the disease. Machine learning alongside deep learning and decision tree reinforces the aptitude to absorb characteristics from multi-dimensional data's and thus simplifies automatic classification of Alzheimer's disease. Susceptible testing was prophesied and realized in training the prospect of Alzheimer's disease classification built on machine learning advances. It was shrewd that the decision trees trained with deep neural network fashioned the excellent results parallel to related pattern classification.

Keywords : Alzheimer's diagnosis, decision trees, deep neural network, machine learning, pattern classification

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