Predicting the Class of a Mentally Disabled Patient to Check the Level of Mental Retardation by using Feed Forward Back Propagation Neural Network

Abstract

Mental disorders have a large impact on individuals, families, and communities, and are one of the main causes worldwide of disability and distress. Correct diagnosis of mental disorders is essential in clinical practice, pharmacological research, and successful treatment. Patients with mental retardation often have multiple and sometimes complicated medical problems. In this paper we have proposed a feed forward back propagation neural network to classify the level of mental retardation by using Matlab software. There are six neurons in the input layer which represent the attribute of a patient. Output layer contains four neurons which represent four different levels of mental retardation in which each patient will be classified.

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