

Overview of Neural Network

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Abstract: *Neural network is a machine learning method evolved from the idea of having look of the human brain, a data processing system which includes large number of simple, highly interconnected processing elements in an architecture inspired by the structure of the cerebral cortex portion of the brain. Hence, neural networks are often capable of doing things which humans or animals do well but which conventional computers often do poorly. Neural networks have emerged in the past few years as an area of unusual opportunity for research, development and application to a variety of real world problems. Indeed, neural networks exhibit characteristics and capabilities not provided by any other technology. Here are some of the examples human handwriting, reading typewritten text, compensating for alignment errors in robots, modeling complex systems that cannot be modelled mathematically, and predicting whether proposed loans will be good or fail. This paper presents a brief tutorial on neural networks and briefly describes several applications.*

Keywords: Neural network

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