

Abstract

Artificial Neural Network is one of the technologies which have developed because of Information Technology development itself. Nowadays, more and more large companies are implementing Artificial Neural Network to support their needs. Artificial neural networks are a method of information processing and computation that takes benefit of today's technology. Mimicking the processes present in biological neurons, Artificial Neural Networks are used to predict and learn from a given set of data information. At data analysis neural networks are more robust than statistical methods because of their capability to handle small variations of parameters and noise. Through this ability, Artificial Neural Network can predict more accurately.

Keywords: Artificial Neural Network

Abstrak

Jaringan Saraf Tiruan adalah salah satu teknologi yang berkembang karena pengaruh besar dari perkembangan dunia teknologi informasi itu sendiri. Belakangan ini, semakin banyak perusahaan-perusahaan besar yang mengimplementasikan Artificial Neural Network untuk menunjang keperluan mereka. Artificial Neural Network adalah suatu metoda dari pemrosesan informasi dan komputasi yang mengambil keuntungan dari teknologi terkini. Meniru dari proses pada saraf biologis, Artificial Neural Network dipakai untuk memprediksi dan belajar dari kumpulan data yang telah diberikan sebelumnya. Pada tahap penganalisaan data, Artificial Neural Network lebih tangguh daripada metode statistik tradisional karena kemampuannya untuk mengatasi varian yang kecil dari parameter-parameter dan gangguan. Melalui kemampuan ini, Artificial Neural Network dapat memprediksi dengan lebih akurat.

Kata Kunci: Jaringan Syaraf Tiruan

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