
Using multivariate analysis techniques for optimization of the artificial neural network efficiency /

The purpose of this study is to investigate the possibility of using multivariate statistical analysis techniques for optimization of the neural network learning efficiency by the effect on input data set vector for neural network known as a feed forward networks type using supervised learning paradigm. This research provides a new method to increase the efficiency of neural networks learning based on multivariate analysis techniques.

Chapter 1 introduction
Chapter 2 fundamental of artificial neural networks and neural computing.
Chapter 3 multivariate analysis techniques
Chapter 4 artificial neural Networks implementation
Chapter 5 conclusion.