



A Statistical Approach to Neural Networks for Pattern Recognition (Hardback)

By Robert A. Dunne

John Wiley and Sons Ltd, United Kingdom, 2007. Hardback. Condition: New. Language: English . Brand New Book. An accessible and up-to-date treatment featuring the connection between neural networks and statistics A Statistical Approach to Neural Networks for Pattern Recognition presents a statistical treatment of the Multilayer Perceptron (MLP), which is the most widely used of the neural network models. This book aims to answer questions that arise when statisticians are first confronted with this type of model, such as: How robust is the model to outliers? Could the model be made more robust? Which points will have a high leverage? What are good starting values for the fitting algorithm? Thorough answers to these questions and many more are included, as well as worked examples and selected problems for the reader. Discussions on the use of MLP models with spatial and spectral data are also included. Further treatment of highly important principal aspects of the MLP are provided, such as the robustness of the model in the event of outlying or atypical data; the influence and sensitivity curves of the MLP; why the MLP is a fairly robust model; and modifications to make the MLP more robust. The author also provides...

DOWNLOAD



READ ONLINE
[5.71 MB]

Reviews

This type of book is every thing and made me seeking forward and more. It is amongst the most awesome publication we have go through. Its been developed in an exceptionally straightforward way and it is only soon after i finished reading this ebook by which actually altered me, alter the way i believe.

-- Mrs. Serena Wunsch

Very good eBook and valuable one. Better then never, though i am quite late in start reading this one. I am very easily could possibly get a satisfaction of reading through a created publication.

-- Brianne Heidenreich