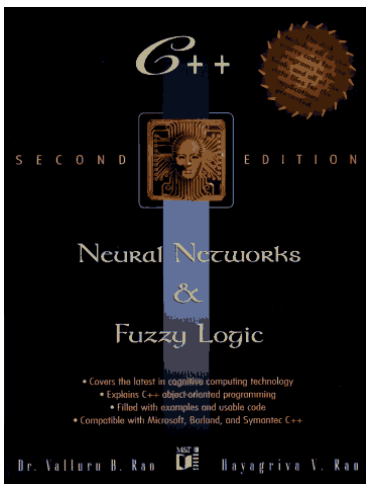


[PDF] C++ Neural Networks And Fuzzy Logic

Valluru B. Rao, Hayagriva Rao - pdf download free book



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I'm not terribly familiar with Neural Networks or Fuzzy Logic and, after reading the first four chapters, I am even more confused than when I started. I think that each topic is getting the same poor treatment that the OO chapter received. The explanations in this book are useless. They must have created an outline of topics that should be included in a book entitled C++ Neural Networks & Fuzzy Logic but spent little time populating each topic with meaningful information. There seems to be just enough information under each heading to enable someone who already knows the subject to say, "yes that is correct".

`@inproceedings{Rao1993CNN, title={C++ Neural Networks and Fuzzy Logic}, author={V. B. Rao and H. Rao}, year={1993} }`. V. B. Rao, H. Rao. Published 1993. Computer Science. The extensively revised and updated edition provides a logical and easy-to-follow progression through C++ programming for two of the most popular technologies for artificial intelligence--neural and fuzzy programming. The authors cover theory as well as practical examples, giving programmers a solid foundation as well as working examples with reusable code. Neural networks, in the end, are fun to learn about and discover. Although the language for description used is C++, you will not find extensive class libraries in this book. With the exception of the backpropagation simulator, you will find fairly simple example programs for many different neural network architectures and paradigms. There are many different angles to neural networks and fuzzy logic. The fields are expanding rapidly with ever new results and applications. This book presents many of the different neural network topologies, including the BAM, the Perceptron, Hopfield memory, ART1, Kohonen's Self-Organizing map, Kosko's Fuzzy Associative memory, and, of course, the Feedforward Backpropagation network (aka Multilayer Perceptron). Writing the Neural Network class Before going further I assume that you know what a Neural Network is and how does it learn. If not, then I do recommend you the following pages to take a look at! Basics of Neural Networks. Forward and Backpropagation in neural networks. Code : The Neural Network Class. // NeuralNetwork.hpp. Each layer in the neural network is an array of neurons, we store each of these layers as a vector such that each element in this vector stores the activation value of neuron in that layer (note that an array of these layers is the neural network itself. Difference between Neural Network And Fuzzy Logic. 28, Jun 20. Article Contributed By The extensively revised and updated edition provides a logical and easy-to-follow progression through C++ programming for two of the most popular technologies for artificial intelligence - neural and fuzzy programming. The authors cover theory as well as practical examples, giving programmers a solid foundation as well as working examples with reusable code.