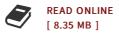# Neural Network Learning: Theoretical Foundations

By Martin Anthony, Peter L. Bartlett

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2009. Paperback. Book Condition: New. New.. 226 x 152 mm. Language: English Brand New Book ***** Print on Demand *****.This book describes theoretical advances in the study of artificial neural networks. It explores probabilistic models of supervised learning problems, and addresses the key statistical and computational questions. Research on pattern classification with binary-output networks is surveyed, including a discussion of the relevance of the Vapnik-Chervonenkis dimension, and calculating estimates of the dimension for several neural network models. A model of classification by real-output networks is developed, and the usefulness of classification with a large margin is demonstrated. The authors explain the role of scale-sensitive versions of the Vapnik-Chervonenkis dimension in large margin classification, and in real prediction. They also discuss the computational complexity of neural network learning, describing a variety of hardness results, and outlining two efficient constructive learning algorithms. The book is self-contained and is intended to be accessible to researchers and graduate students in computer science, engineering, and mathematics.

READ ONLINE
[8.35 MB]

Reviews

Very beneficial to all category of folks. I really could comprehended every little thing out of this created e publication. I found out this book from my dad and i encouraged this ebook to discover.
-- Maia O'Hara

Comprehensive guide for pdf fanatics. It is filled with knowledge and wisdom It is extremely difficult to leave it before concluding, once you begin to read the book.
-- Valentin Thompson