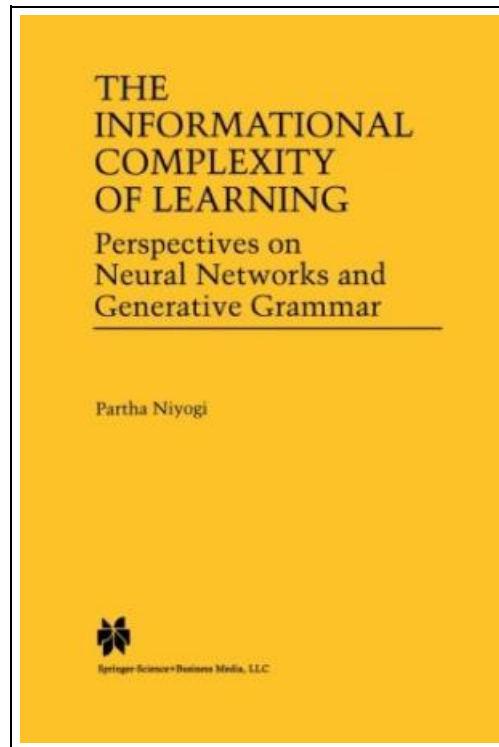


The Informational Complexity of Learning



Filesize: 9.73 MB

Reviews

Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.

(Kade Ankunding)

THE INFORMATIONAL COMPLEXITY OF LEARNING

[DOWNLOAD](#)

Book Condition: New. Publisher/Verlag: Springer, Berlin | Perspectives on Neural Networks and Generative Grammar | Among other topics, The Informational Complexity of Learning: Perspectives on Neural Networks and Generative Grammar brings together two important but very different learning problems within the same analytical framework. The first concerns the problem of learning functional mappings using neural networks, followed by learning natural language grammars in the principles and parameters tradition of Chomsky. These two learning problems are seemingly very different. Neural networks are real-valued, infinite-dimensional, continuous mappings. On the other hand, grammars are boolean-valued, finite-dimensional, discrete (symbolic) mappings. Furthermore the research communities that work in the two areas almost never overlap. The book's objective is to bridge this gap. It uses the formal techniques developed in statistical learning theory and theoretical computer science over the last decade to analyze both kinds of learning problems. By asking the same question - how much information does it take to learn? - of both problems, it highlights their similarities and differences. Specific results include model selection in neural networks, active learning, language learning and evolutionary models of language change. The Informational Complexity of Learning: Perspectives on Neural Networks and Generative Grammar is a very interdisciplinary work. Anyone interested in the interaction of computer science and cognitive science should enjoy the book. Researchers in artificial intelligence, neural networks, linguistics, theoretical computer science, and statistics will find it particularly relevant. | 1. Introduction.- 1.1 The Components of a Learning Paradigm.- 1.1.1 Concepts, Hypotheses, and Learners.- 1.1.2 Generalization, Learnability, Successful learning.- 1.1.3 Informational Complexity.- 1.2 Parametric Hypothesis Spaces.- 1.3 Technical Contents and Major Contributions.- 1.3.1 A Final Word.- 2. Generalization Error For Neural Nets.- 2.1 Introduction.- 2.2 Definitions and Statement of the Problem.- 2.2.1 Random Variables and Probability Distributions.- 2.2.2 Learning from Examples and Estimators.- 2.2.3 The Expected...

[Read The Informational Complexity of Learning Online](#)[Download PDF The Informational Complexity of Learning](#)

Related PDFs

**Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book....

[Download](#) [Document](#)

»

**Genuine book Oriental fertile new version of the famous primary school enrollment program: the intellectual development of pre-school Jiang(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2012-09-01 Pages: 160 Publisher: the Jiangxi University Press Welcome Salan. service...

[Download](#) [Document](#)

»

**Lans Plant Readers Clubhouse Level 1**

Barron's Educational Series. Paperback. Book Condition: New. Paperback. 24 pages. Dimensions: 8.9in. x 5.7in. x 0.3in.This is volume six, Reading Level 1, in a comprehensive program (Levels 1 and 2)for beginning readers. Two nine-book sets...

[Download](#) [Document](#)

»

**A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half**

Createspace, United States, 2014. Paperback. Book Condition: New. 251 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.The ultimate learn-by-doing approachWritten for beginners, useful for experienced developers who want to...

[Download](#) [Document](#)

»

**The TW treatment of hepatitis B road of hope(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2012-10-28 Pages: 119 Publisher: People's Medical racket Reading: All books are...

[Download](#) [Document](#)

»