



Pattern Classification: A Unified View of Statistical and Neural Approaches

By Jürgen Schürmann

Download now

Read Online 

Pattern Classification: A Unified View of Statistical and Neural Approaches

By Jürgen Schürmann

PATTERN CLASSIFICATION

a unified view of statistical and neural approaches

The product of years of research and practical experience in pattern classification, this book offers a theory-based engineering perspective on neural networks and statistical pattern classification. Pattern Classification sheds new light on the relationship between seemingly unrelated approaches to pattern recognition, including statistical methods, polynomial regression, multilayer perceptron, and radial basis functions. Important topics such as feature selection, reject criteria, classifier performance measurement, and classifier combinations are fully covered, as well as material on techniques that, until now, would have required an extensive literature search to locate. A full program of illustrations, graphs, and examples helps make the operations and general properties of different classification approaches intuitively understandable.

Offering a lucid presentation of complex applications and their algorithms, Pattern Classification is an invaluable resource for researchers, engineers, and graduate students in this rapidly developing field.

 [Download Pattern Classification: A Unified View of Statisti ...pdf](#)

 [Read Online Pattern Classification: A Unified View of Statis ...pdf](#)

Pattern Classification: A Unified View of Statistical and Neural Approaches

By Jürgen Schürmann

Pattern Classification: A Unified View of Statistical and Neural Approaches By Jürgen Schürmann

PATTERN CLASSIFICATION

a unified view of statistical and neural approaches

The product of years of research and practical experience in pattern classification, this book offers a theory-based engineering perspective on neural networks and statistical pattern classification. Pattern Classification sheds new light on the relationship between seemingly unrelated approaches to pattern recognition, including statistical methods, polynomial regression, multilayer perceptron, and radial basis functions. Important topics such as feature selection, reject criteria, classifier performance measurement, and classifier combinations are fully covered, as well as material on techniques that, until now, would have required an extensive literature search to locate. A full program of illustrations, graphs, and examples helps make the operations and general properties of different classification approaches intuitively understandable.

Offering a lucid presentation of complex applications and their algorithms, Pattern Classification is an invaluable resource for researchers, engineers, and graduate students in this rapidly developing field.

Pattern Classification: A Unified View of Statistical and Neural Approaches By Jürgen Schürmann
Bibliography

- Sales Rank: #3975049 in Books
- Published on: 1996-03-15
- Original language: English
- Number of items: 1
- Dimensions: 9.55" h x .92" w x 6.38" l, 1.55 pounds
- Binding: Hardcover
- 392 pages

 [Download Pattern Classification: A Unified View of Statisti ...pdf](#)

 [Read Online Pattern Classification: A Unified View of Statis ...pdf](#)

Download and Read Free Online Pattern Classification: A Unified View of Statistical and Neural Approaches By Jürgen Schürmann

Editorial Review

From the Publisher

Based on many years of practical experience predominately in the area of character recognition and document analysis, the author details a number of competing approaches to building up essential estimating functions--statistical modeling, least mean squares techniques and radial basis functions. Traditional statistics-based pattern classification techniques as well as connectionist and neural methods are coherently treated and shown to be inextricably interfused. Uses an extremely simplified two-dimensional example task throughout the text to illustrate diverse approaches in a unified manner.

From the Back Cover

PATTERN CLASSIFICATION

a unified view of statistical and neural approaches

The product of years of research and practical experience in pattern classification, this book offers a theory-based engineering perspective on neural networks and statistical pattern classification. Pattern Classification sheds new light on the relationship between seemingly unrelated approaches to pattern recognition, including statistical methods, polynomial regression, multilayer perceptron, and radial basis functions. Important topics such as feature selection, reject criteria, classifier performance measurement, and classifier combinations are fully covered, as well as material on techniques that, until now, would have required an extensive literature search to locate. A full program of illustrations, graphs, and examples helps make the operations and general properties of different classification approaches intuitively understandable.

Offering a lucid presentation of complex applications and their algorithms, Pattern Classification is an invaluable resource for researchers, engineers, and graduate students in this rapidly developing field.

About the Author

JÜRGEN SCHÜRMAN is head of the Pattern Understanding Group at the Daimler-Benz Research Center in Ulm, Germany, and teaches at the Technical University of Darmstadt.

Users Review

From reader reviews:

Armando Lemaire:

Throughout other case, little persons like to read book Pattern Classification: A Unified View of Statistical and Neural Approaches. You can choose the best book if you appreciate reading a book. Provided that we know about how is important any book Pattern Classification: A Unified View of Statistical and Neural Approaches. You can add knowledge and of course you can around the world with a book. Absolutely right, simply because from book you can know everything! From your country until finally foreign or abroad you can be known. About simple point until wonderful thing you may know that. In this era, we are able to open a book or maybe searching by internet unit. It is called e-book. You can use it when you feel uninterested to go to the library. Let's go through.

Michael Stanford:

As people who live in typically the modest era should be revise about what going on or data even knowledge to make all of them keep up with the era and that is always change and advance. Some of you maybe will probably update themselves by looking at books. It is a good choice for yourself but the problems coming to you is you don't know what one you should start with. This Pattern Classification: A Unified View of Statistical and Neural Approaches is our recommendation so you keep up with the world. Why, because this book serves what you want and wish in this era.

Trina Durham:

In this era globalization it is important to someone to receive information. The information will make a professional understand the condition of the world. The health of the world makes the information quicker to share. You can find a lot of referrals to get information example: internet, magazine, book, and soon. You can observe that now, a lot of publisher that print many kinds of book. The book that recommended to you personally is Pattern Classification: A Unified View of Statistical and Neural Approaches this e-book consist a lot of the information with the condition of this world now. This particular book was represented how do the world has grown up. The dialect styles that writer use to explain it is easy to understand. Often the writer made some analysis when he makes this book. This is why this book acceptable all of you.

Suzanne Mitchell:

Is it you who having spare time subsequently spend it whole day by means of watching television programs or just lying down on the bed? Do you need something totally new? This Pattern Classification: A Unified View of Statistical and Neural Approaches can be the response, oh how comes? A fresh book you know. You are therefore out of date, spending your free time by reading in this new era is common not a geek activity. So what these textbooks have than the others?

**Download and Read Online Pattern Classification: A Unified View
of Statistical and Neural Approaches By Jürgen Schürmann
#45QH76WCT8S**

Read Pattern Classification: A Unified View of Statistical and Neural Approaches By Jürgen Schürmann for online ebook

Pattern Classification: A Unified View of Statistical and Neural Approaches By Jürgen Schürmann Free PDF download, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Pattern Classification: A Unified View of Statistical and Neural Approaches By Jürgen Schürmann books to read online.

Online Pattern Classification: A Unified View of Statistical and Neural Approaches By Jürgen Schürmann ebook PDF download

Pattern Classification: A Unified View of Statistical and Neural Approaches By Jürgen Schürmann Doc

Pattern Classification: A Unified View of Statistical and Neural Approaches By Jürgen Schürmann Mobipocket

Pattern Classification: A Unified View of Statistical and Neural Approaches By Jürgen Schürmann EPub