Self-Organizing Maps

By Teuvo Kohonen

Self-Organizing Maps By Teuvo Kohonen

The Self-Organizing Map (SOM), with its variants, is the most popular artificial neural network algorithm in the unsupervised learning category. About 4000 research articles on it have appeared in the open literature, and many industrial projects use the SOM as a tool for solving hard real world problems. Many fields of science have adopted the SOM as a standard analytical tool: statistics, signal processing, control theory, financial analyses, experimental physics, chemistry and medicine. This new edition includes a survey of over 2000 contemporary studies to cover the newest results. Case examples are provided with detailed formulae, illustrations, and tables. Further, a new chapter on software tools for SOM has been included whilst other chapters have been extended and reorganised.

Download Self-Organizing Maps ...pdf

Read Online Self-Organizing Maps ...pdf

Self-Organizing Maps

By Teuvo Kohonen

Self-Organizing Maps By Teuvo Kohonen

The Self-Organizing Map (SOM), with its variants, is the most popular artificial neural network algorithm in the unsupervised learning category. About 4000 research articles on it have appeared in the open literature, and many industrial projects use the SOM as a tool for solving hard real world problems. Many fields of science have adopted the SOM as a standard analytical tool: statistics, signal processing, control theory, financial analyses, experimental physics, chemistry and medicine. This new edition includes a survey of over 2000 contemporary studies to cover the newest results. Case examples are provided with detailed formulae, illustrations, and tables. Further, a new chapter on software tools for SOM has been included whilst other chapters have been extended and reorganised.

Self-Organizing Maps By Teuvo Kohonen Bibliography

- Rank: #1759895 in Books
- Brand: Teuvo Kohonen
- Published on: 2000-12-28
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.19" w x 6.10" l, 1.00 pounds
- Binding: Paperback
- 521 pages

Download and Read Free Online Self-Organizing Maps By Teuvo Kohonen

Editorial Review

Review
"Rarely do books come along with an information density and value of content far above average. We now have another book in this category...a marvelous tool for finding just about any information that exists regarding self-organising maps. Rarely has any subject been provided with such an index of knowledge...Kohonen has created a masterpiece. I unhesitatingly recommend it." IEEE

From the Back Cover
The Self-Organizing Map (SOM), with its variants, is the most popular artificial neural network algorithm in the unsupervised learning category. About 4000 research articles on it have appeared in the open literature, and many industrial projects use the SOM as a tool for solving hard real-world problems. Many fields of science have adopted the SOM as a standard analytical tool: in statistics, signal processing, control theory, financial analyses, experimental physics, chemistry and medicine. The SOM solves difficult high-dimensional and nonlinear problems such as feature extraction and classification of images and acoustic patterns, adaptive control of robots, and equalization, demodulation, and error-tolerant transmission of signals in telecommunications. A new area is organization of very large document collections. Last but not least, it may be mentioned that the SOM is one of the most realistic models of the biological brain function. This new edition includes a survey of over 2000 contemporary studies to cover the newest results; case examples were provided with detailed formulae, illustrations, and tables; a new chapter on Software Tools for SOM was written, other chapters were extended or reorganized.

Users Review

From reader reviews:

James Kostka:

What do you think of book? It is just for students because they are still students or the idea for all people in the world, what the best subject for that? Just simply you can be answered for that problem above. Every person has diverse personality and hobby for every other. Don't to be obligated someone or something that they don't want do that. You must know how great and important the book Self-Organizing Maps. All type of book are you able to see on many sources. You can look for the internet resources or other social media.

Edward McClung:

People live in this new morning of lifestyle always aim to and must have the free time or they will get lot of stress from both way of life and work. So , once we ask do people have extra time, we will say absolutely without a doubt. People is human not really a huge robot. Then we consult again, what kind of activity are you experiencing when the spare time coming to anyone of course your answer will unlimited right. Then ever try this one, reading publications. It can be your alternative inside spending your spare time, the book you have read is usually Self-Organizing Maps.

Frederick Roark:

This Self-Organizing Maps is great reserve for you because the content and that is full of information for you who also always deal with world and possess to make decision every minute. This kind of book reveal it info accurately using great plan word or we can point out no rambling sentences inside it. So if you are read the idea hurriedly you can have whole details in it. Doesn't mean it only gives you straight forward sentences but tricky core information with wonderful delivering sentences. Having Self-Organizing Maps in your hand like obtaining the world in your arm, details in it is not ridiculous one particular. We can say that no e-book that offer you world with ten or fifteen moment right but this e-book already do that. So , it is good reading book. Hey there Mr. and Mrs. stressful do you still doubt which?

Earl Casey:

What is your hobby? Have you heard in which question when you got college students? We believe that that concern was given by teacher with their students. Many kinds of hobby, Every individual has different hobby. So you know that little person including reading or as looking at become their hobby. You must know that reading is very important in addition to book as to be the issue. Book is important thing to increase you knowledge, except your own teacher or lecturer. You see good news or update concerning something by book. Many kinds of books that can you choose to use be your object. One of them is Self-Organizing Maps.

Download and Read Online Self-Organizing Maps By Teuvo Kohonen #4IZ0LTAC825

Read Self-Organizing Maps By Teuvo Kohonen for online ebook

Self-Organizing Maps By Teuvo Kohonen Free PDF d0wnl0ad, 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 Self-Organizing Maps By Teuvo Kohonen books to read online.

Online Self-Organizing Maps By Teuvo Kohonen ebook PDF download

Self-Organizing Maps By Teuvo Kohonen Doc

Self-Organizing Maps By Teuvo Kohonen Mobipocket

Self-Organizing Maps By Teuvo Kohonen EPub