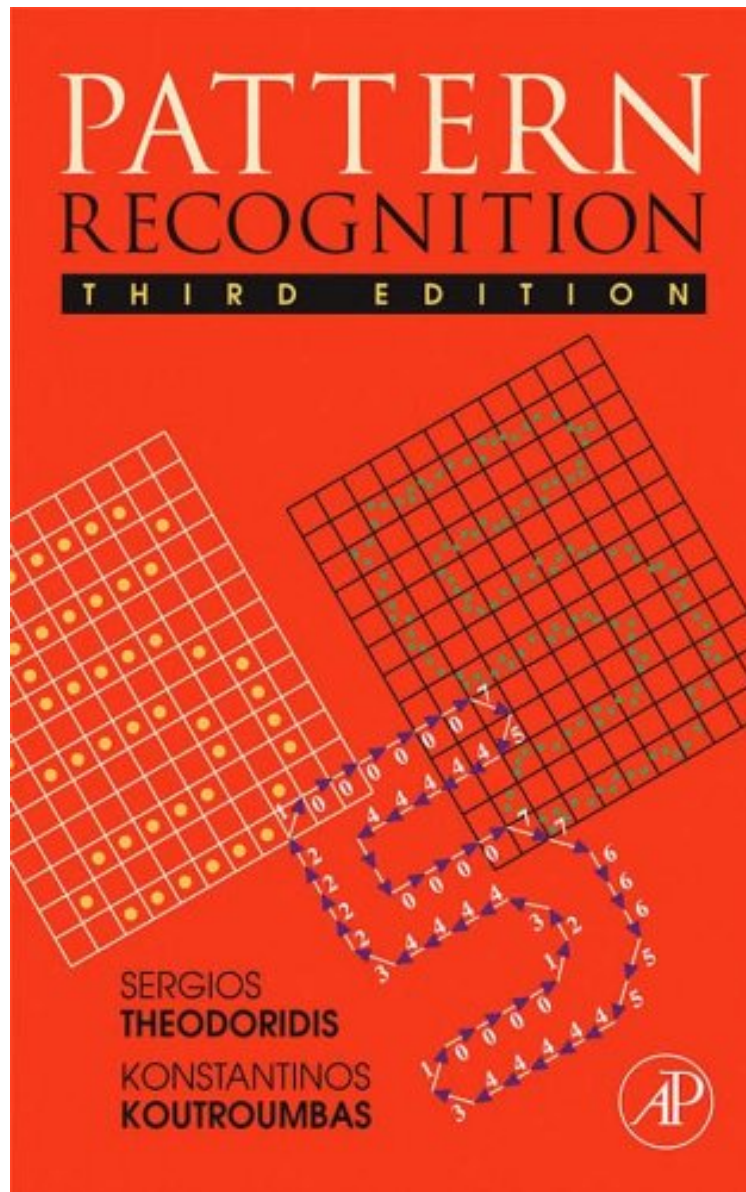


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Pattern Recognition

Von Sergios Theodoridis, Konstantinos Koutroumbas
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Von Sergios Theodoridis, Konstantinos Koutroumbas : Pattern Recognition before purchasing it in order to gage whether or not it would be worth my time, and all praised Pattern Recognition:

KundenrezensionenHilfreichste Kundenrezensionen7 von 7 Kunden fanden die folgende Rezension hilfreich.
Lehrbuch und ReferenzVon Ein KundeDas Buch deckt die wesentlichen klassischen Verfahren zur Mustererkennung ab. Beginnend mit dem Bayes-Klassifikator, linearen Methoden behandelt es nichtlineare Klassifikatoren,

Merkmalsauswahl und -erzeugung und geht schliesslich ausführlich auf Clusteringverfahren ein. Neuere Verfahren (Kernel-Basierte Verfahren, SVMs) werden nicht behandelt. Das Buch ist sehr gut geschrieben: Verständlich, klar und mathematisch präzise genug, um die Verfahren problemlos selber implementieren zu können. Ich benutze Pattern Recognition vor allem als Referenztext zum Nachschlagen und bin sehr zufrieden damit. Wem der Text nicht gefällt: Alternativen wären Duda, Stork, Hart: "Pattern Classification and Scene Analysis" (gut, aber sehr teuer), oder Fukunaga: "Introduction to Statistical Pattern Recognition" (lteres Buch, gut, aber weniger breit gefächert). 0 von 0 Kunden fanden die folgende Rezension hilfreich. very well written introduction Von CDR This book presents a very well-written, rich, and self-contained introduction to the field of pattern recognition. The book has the ability and gives the references to motivate the reader for digging deeper into the topic. The derivation of some methods are presented, some proofs as well. However, it is a relatively pragmatic text, not a pure, abstract mathematical derivation neither a pure recipes book. It presents useful examples for the explained methods. Maybe, for a newbie it is not the most easy to read introduction, but things will get clear on a second read. I can definitely recommend this book. 1 von 2 Kunden fanden die folgende Rezension hilfreich. Continuing... Von Ein Kunde I am working on a project and I am constantly getting inspired from this book. This book seems to have the practical power of Rogers (Computer Graphics) writing while keeping the theoretical discipline. So you can safely combine algorithms and be sure that you are walking on a correct path, simply buy this book all of you who are fed up with a book full of formulas and "chatting" without practise it will probably save you from a lot of searching. That's the end of my review. I think I said enough good things and a little criticism on this book.

Kurzbeschreibung Pattern recognition is a fast growing area with applications in a widely diverse number of fields such as communications engineering, bioinformatics, data mining, content-based database retrieval, to name but a few. This new edition addresses and keeps pace with the most recent advancements in these and related areas. This new edition: a) covers Data Mining, which was not treated in the previous edition, and is integrated with existing material in the book, b) includes new results on Learning Theory and Support Vector Machines, that are at the forefront of today's research, with a lot of interest both in academia and in applications-oriented communities, c) for the first time treats audio along with image applications since in today's world the most advanced applications are treated in a unified way and d) the subject of classifier combinations is treated, since this is a hot topic currently of interest in the pattern recognition community.* The latest results on support vector machines including v -SVM's and their geometric interpretation * Classifier combinations including the Boosting approach* State-of-the-art material for clustering algorithms tailored for large data sets and/or high dimensional data, as required by applications such as web-mining and bioinformatics* Coverage of diverse applications such as image analysis, optical character recognition, channel equalization, speech recognition and audio classification Pressestimmen "The book is written in a very readable, non-nonsense style. I found that there was just the right amount of text to describe a concept ... "Larry O'Gorman, IAPR Newsletter, April 2006 Kurzbeschreibung Pattern recognition is a fast growing area with applications in a widely diverse number of fields such as communications engineering, bioinformatics, data mining, content-based database retrieval, to name but a few. This new edition addresses and keeps pace with the most recent advancements in these and related areas. This new edition: a) covers Data Mining, which was not treated in the previous edition, and is integrated with existing material in the book, b) includes new results on Learning Theory and Support Vector Machines, that are at the forefront of today's research, with a lot of interest both in academia and in applications-oriented communities, c) for the first time treats audio along with image applications since in today's world the most advanced applications are treated in a unified way and d) the subject of classifier combinations is treated, since this is a hot topic currently of interest in the pattern recognition community.* The latest results on support vector machines including v -SVM's and their geometric interpretation * Classifier combinations including the Boosting approach* State-of-the-art material for clustering algorithms tailored for large data sets and/or high dimensional data, as required by applications such as web-mining and bioinformatics* Coverage of diverse applications such as image analysis, optical character recognition, channel equalization, speech recognition and audio classification