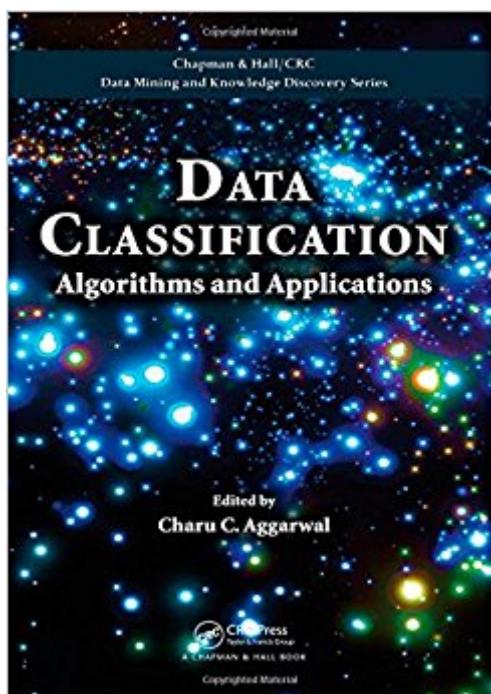


The book was found

Data Classification: Algorithms And Applications (Chapman & Hall/CRC Data Mining And Knowledge Discovery Series)



Synopsis

Comprehensive Coverage of the Entire Area of Classification

Research on the problem of classification tends to be fragmented across such areas as pattern recognition, database, data mining, and machine learning. Addressing the work of these different communities in a unified way, Data Classification: Algorithms and Applications explores the underlying algorithms of classification as well as applications of classification in a variety of problem domains, including text, multimedia, social network, and biological data. This comprehensive book focuses on three primary aspects of data classification:

- Methods:** The book first describes common techniques used for classification, including probabilistic methods, decision trees, rule-based methods, instance-based methods, support vector machine methods, and neural networks.
- Domains:** The book then examines specific methods used for data domains such as multimedia, text, time-series, network, discrete sequence, and uncertain data. It also covers large data sets and data streams due to the recent importance of the big data paradigm.
- Variations:** The book concludes with insight on variations of the classification process. It discusses ensembles, rare-class learning, distance function learning, active learning, visual learning, transfer learning, and semi-supervised learning as well as evaluation aspects of classifiers.

Book Information

Series: Chapman & Hall/CRC Data Mining and Knowledge Discovery Series (Book 35)

Hardcover: 707 pages

Publisher: Chapman and Hall/CRC; 1 edition (July 25, 2014)

Language: English

ISBN-10: 1466586745

ISBN-13: 978-1466586741

Product Dimensions: 10.1 x 7 x 1.7 inches

Shipping Weight: 3.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #554,448 in Books (See Top 100 in Books) #76 in Books > Computers & Technology > Programming > Algorithms > Data Structures #108 in Books > Computers & Technology > Computer Science > AI & Machine Learning > Machine Theory #153 in Books > Textbooks > Computer Science > Algorithms

Customer Reviews

Charu C. Aggarwal is a research scientist at the IBM T.J. Watson Research Center. A fellow of the

IEEE and the ACM, he is the author/editor of ten books, an associate editor of several journals, and the vice-president of the SIAM Activity Group on Data Mining. Dr. Aggarwal has published over 200 papers, has applied for or been granted over 80 patents, and has received numerous honors, including the IBM Outstanding Technical Achievement Award and EDBT 2014 Test of Time Award. His research interests include performance analysis, databases, and data mining. He earned a Ph.D. from the Massachusetts Institute of Technology.

[Download to continue reading...](#)

Data Classification: Algorithms and Applications (Chapman & Hall/CRC Data Mining and Knowledge Discovery Series) Discovering Knowledge in Data: An Introduction to Data Mining (Wiley Series on Methods and Applications in Data Mining) Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Algorithms in Bioinformatics: A Practical Introduction (Chapman & Hall/CRC Mathematical and Computational Biology) Big Data For Business: Your Comprehensive Guide to Understand Data Science, Data Analytics and Data Mining to Boost More Growth and Improve Business - Data Analytics Book, Series 2 Analyzing Baseball Data with R (Chapman & Hall/CRC The R Series) Statistics and Data Analysis for Microarrays Using R and Bioconductor, Second Edition (Chapman & Hall/CRC Mathematical and Computational Biology) RNA-seq Data Analysis: A Practical Approach (Chapman & Hall/CRC Mathematical and Computational Biology) Computational Statistics Handbook with MATLAB, Third Edition (Chapman & Hall/CRC Computer Science & Data Analysis) Modern Data Science with R (Chapman & Hall/CRC Texts in Statistical Science) Modelling Survival Data in Medical Research, Third Edition (Chapman & Hall/CRC Texts in Statistical Science) Access Control, Security, and Trust: A Logical Approach (Chapman & Hall/CRC Cryptography and Network Security Series) Handbook of Financial Cryptography and Security (Chapman & Hall/CRC Cryptography and Network Security Series) Introduction to Scientific Programming and Simulation Using R (Chapman & Hall/CRC The R Series) Variational Methods in Image Processing (Chapman & Hall/CRC Mathematical and Computational Imaging Sciences Series) Introduction to Scientific Programming and Simulation Using R, Second Edition (Chapman & Hall/CRC The R Series) Using R for Numerical Analysis in Science and Engineering (Chapman & Hall/CRC The R Series) Introduction to Modern Cryptography, Second Edition (Chapman & Hall/CRC Cryptography and Network Security Series) Software Engineering: The Current Practice (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) Statistical Computing with R (Chapman & Hall/CRC The R Series)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)