

**Springer**1st
edition1st ed. 2016, XIX, 359 p.
149 illus., 82 illus. in color.**Printed book**

Hardcover

Printed book

Hardcover

ISBN 978-1-4899-7640-6

£ 99,99 | CHF 130,00 | 109,99 € |
120,99 € (A) | 117,69 € (D)

Available

Discount group

Science (SC)

Product category

Monograph

Series

Integrated Series in Information Systems

Other renditions

Softcover

ISBN 978-1-4899-7852-3

Business and Management : Management

Suthaharan, Shan, UNC Greensboro, Greensboro, NC, USA

Machine Learning Models and Algorithms for Big Data Classification

Thinking with Examples for Effective Learning

- Addresses a new and hot field of Big Data Science and Engineering
- Offers new Machine Learning techniques and solutions
- Provides solutions to overcome Big Data classification problems that industries, government agencies and organizations struggle to manage and analyze

This book presents machine learning models and algorithms to address big data classification problems. Existing machine learning techniques like the decision tree (a hierarchical approach), random forest (an ensemble hierarchical approach), and deep learning (a layered approach) are highly suitable for the system that can handle such problems. This book helps readers, especially students and newcomers to the field of big data and machine learning, to gain a quick understanding of the techniques and technologies; therefore, the theory, examples, and programs (Matlab and R) presented in this book have been simplified, hardcoded, repeated, or spaced for improvements. They provide vehicles to test and understand the complicated concepts of various topics in the field. It is expected that the readers adopt these programs to experiment with the examples, and then modify or write their own programs toward advancing their knowledge for solving more complex and challenging problems. The presentation format of this book focuses on simplicity, readability, and dependability so that both undergraduate and graduate students as well as new researchers, developers, and practitioners in this field can easily trust and grasp the concepts, and learn them effectively. It has been written to reduce the mathematical complexity and help the vast majority of readers to understand the topics and get interested in the field. This book consists of four parts, with the total of 14 chapters. The first part mainly focuses on the topics that are needed to help analyze and understand data and big data. The second part covers the topics that can explain the systems required for processing big data.

Order online at springer.com/booksellers**Springer Nature Customer Service Center GmbH**

Customer Service

Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

row-booksellers@springernature.com



ISBN 978-1-4899-7640-6 / BIC: KJM / SPRINGER NATURE: SC515000

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.