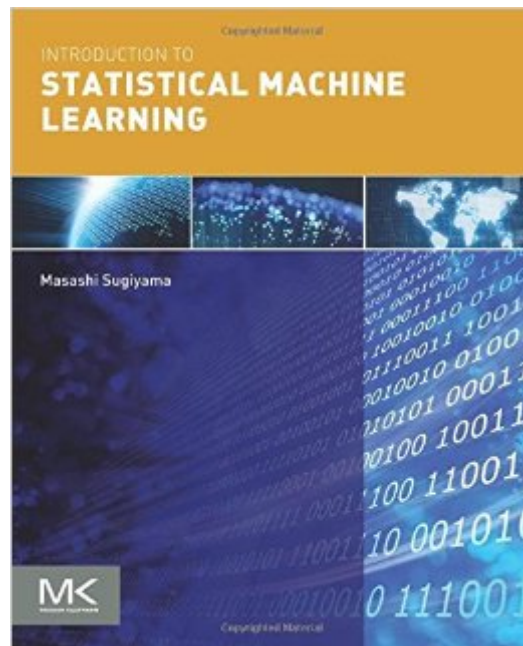


The book was found

Introduction To Statistical Machine Learning



Synopsis

Machine learning allows computers to learn and discern patterns without actually being programmed. When Statistical techniques and machine learning are combined together they are a powerful tool for analysing various kinds of data in many computer science/engineering areas including, image processing, speech processing, natural language processing, robot control, as well as in fundamental sciences such as biology, medicine, astronomy, physics, and materials. Introduction to Statistical Machine Learning provides a general introduction to machine learning that covers a wide range of topics concisely and will help you bridge the gap between theory and practice. Part I discusses the fundamental concepts of statistics and probability that are used in describing machine learning algorithms. Part II and Part III explain the two major approaches of machine learning techniques; generative methods and discriminative methods. While Part III provides an in-depth look at advanced topics that play essential roles in making machine learning algorithms more useful in practice. The accompanying MATLAB/Octave programs provide you with the necessary practical skills needed to accomplish a wide range of data analysis tasks. Provides the necessary background material to understand machine learning such as statistics, probability, linear algebra, and calculus. Complete coverage of the generative approach to statistical pattern recognition and the discriminative approach to statistical machine learning. Includes MATLAB/Octave programs so that readers can test the algorithms numerically and acquire both mathematical and practical skills in a wide range of data analysis tasks. Discusses a wide range of applications in machine learning and statistics and provides examples drawn from image processing, speech processing, natural language processing, robot control, as well as biology, medicine, astronomy, physics, and materials.

Book Information

Paperback: 534 pages

Publisher: Morgan Kaufmann; 1 edition (October 9, 2015)

Language: English

ISBN-10: 0128021217

ISBN-13: 978-0128021217

Product Dimensions: 7.5 x 1.2 x 9.3 inches

Shipping Weight: 12.6 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,188,136 in Books (See Top 100 in Books) #176 in Books > Computers &

Technology > Computer Science > AI & Machine Learning > Machine Theory #385 inÂ Books > Textbooks > Computer Science > Artificial Intelligence #784 inÂ Books > Computers & Technology > Computer Science > AI & Machine Learning > Intelligence & Semantics

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

Introduction to Statistical Relational Learning (Adaptive Computation and Machine Learning series)
Deep Learning: Recurrent Neural Networks in Python: LSTM, GRU, and more RNN machine learning architectures in Python and Theano (Machine Learning in Python) Unsupervised Deep Learning in Python: Master Data Science and Machine Learning with Modern Neural Networks written in Python and Theano (Machine Learning in Python) Deep Learning in Python Prerequisites: Master Data Science and Machine Learning with Linear Regression and Logistic Regression in Python (Machine Learning in Python) Convolutional Neural Networks in Python: Master Data Science and Machine Learning with Modern Deep Learning in Python, Theano, and TensorFlow (Machine Learning in Python) Deep Learning in Python: Master Data Science and Machine Learning with Modern Neural Networks written in Python, Theano, and TensorFlow (Machine Learning in Python) Introduction to Machine Learning (Adaptive Computation and Machine Learning series) Introduction to Statistical Machine Learning Machine Learning: A Probabilistic Perspective (Adaptive Computation and Machine Learning series) Unsupervised Machine Learning in Python: Master Data Science and Machine Learning with Cluster Analysis, Gaussian Mixture Models, and Principal Components Analysis Machine Learning with Spark - Tackle Big Data with Powerful Spark Machine Learning Algorithms Foundations of Machine Learning (Adaptive Computation and Machine Learning series) Gaussian Processes for Machine Learning (Adaptive Computation and Machine Learning series) Bioinformatics: The Machine Learning Approach, Second Edition (Adaptive Computation and Machine Learning) Reinforcement Learning: An Introduction (Adaptive Computation and Machine Learning series) An Introduction to Statistical Learning: with Applications in R (Springer Texts in Statistics) First-Time Machine Applique: Learning to Machine Applique in Nine Easy Lessons A collection of Advanced Data Science and Machine Learning Interview Questions Solved in Python and Spark (II): Hands-on Big Data and Machine ... Programming Interview Questions) (Volume 7) Statistical Machine Translation Learning Deep Architectures for AI (Foundations and Trends(r) in Machine Learning)

[Dmca](#)