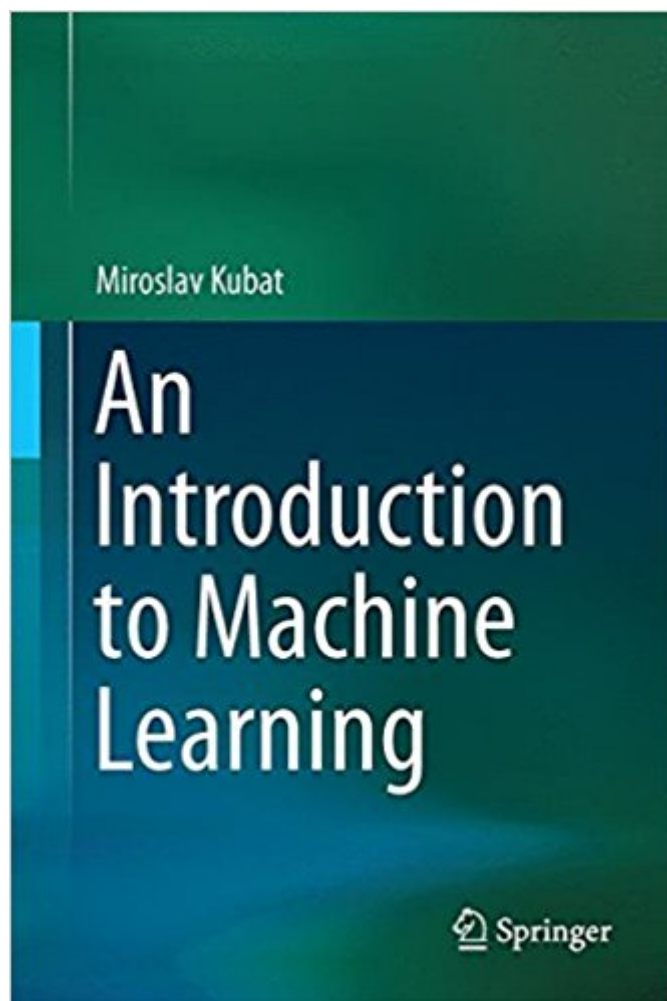The book was found

An Introduction To Machine Learning

Synopsis

This book presents basic ideas of machine learning in a way that is easy to understand, by providing hands-on practical advice, using simple examples, and motivating students with discussions of interesting applications. The main topics include Bayesian classifiers, nearest-neighbor classifiers, linear and polynomial classifiers, decision trees, neural networks, and support vector machines. Later chapters show how to combine these simple tools by way of Ã¢ ¬Å"boosting,Ã¢ ¬Å• how to exploit them in more complicated domains, and how to deal with diverse advanced practical issues. One chapter is dedicated to the popular genetic algorithms.

Book Information

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Customer Reviews

Ã¢ ¬Å"Miroslav Kubat's Introduction to Machine Learning is an excellent overview of a broad range of Machine Learning (ML) techniques. It fills a longstanding need for texts that cover the middle ground of neither oversimplifying nor too technical explanations of key concepts of key Machine Learning algorithms. Ã¢ ¬Â| All in all it is a very informative and instructive read which is well suited for undergraduate students and aspiring data scientists.Ã¢ ¬Å• (Holger K. von Joua, Google+, plus.google.com, December, 2016)Ã¢ ¬Å"It is superbly organized: each section includes a Ã¢ ¬Ëœwhat have you learnedÃ¢ ¬â„¢ summary, and every chapter has a short summary, accompanying (brief) historical remarks, and a slew of exercises. Ã¢ ¬Â| In most of the chapters, there are very clear examples, well chosen and illustrated, that really help the reader understand each concept. Ã¢ ¬Â| I did learn quite a bit about very basic machine learning by reading this

book.Ã¢â ¬Â• (Jacques Carette, Computing Reviews, January, 2016)

Miroslav Kubat, Associate Professor at the University of Miami, has been teaching and studying machine learning for more than a quarter century. Over the years, he has published more than 100 peer-reviewed papers, co-edited two books, served on the program committees of some 60 program conferences and workshops, and is the member of the editorial boards of three scientific journals. He is widely credited for having co-pioneered research in two major branches of the discipline: induction of time-varying concepts and learning from imbalanced training sets. Apart from that, he contributed to induction from multi-label examples, induction of hierarchically organized classes, genetic algorithms, initialization of neural networks, and other problems.

Kubat approaches the field of machine learning in a very mathematical yet intuitive way. The book begins with a conceptual understanding of classification through the use of Johnny's pies and continues to step-by-step build upon this knowledge through each chapter. Although there are programming challenges at the end of most chapters, no actual code is used in this book. You must be able to properly program using a mathematical basis to utilize this book to its fullest potential. Kubat smoothly teaches Machine Learning in a comprehensive and conceptual way so that you really understand the field fundamentally.

This is a must read for anyone that wants to get into machine learning. It covers all the main algorithms and practical challenges of building complex models. For a very technical book it is a very easy read, and the questions are a great way to test the understanding of the material learned. The way the material is organized is very interesting too, addressing machine learning from the multiple angles I usually look at things in real life.

This is a great introductory book for anyone who is trying to start understanding the basics of machine learning. Unlike many of other machine learning books, this one takes a very simplistic approach and uses simple but very useful examples in each chapter. The chapters are well organized and the problems at the end of each chapter are designed to test your knowledge of the concepts. The programming exercises offer additional opportunities to get deeper into the implementation aspects of the different algorithms and concepts - very valuable if you really try them.When compared to other books, this book really focuses on concepts of machine learning without taking the student through lengthy mathematical proofs. I recommend this book for an

introductory course in machine learning and for practitioners who are starting in machine learning. It is a very enjoyable and useful read. You will understand many complex machine learning books after reading this one.Best introduction to machine learning book I have come across - I have many of them.

Awful. Awful. Awful. This seller is different.

Introduction to Machine Learning (Adaptive Computation and Machine Learning series) Machine Learning: An Algorithmic Perspective, Second Edition (Chapman & Hall/Crc Machine Learning & Pattern Recognition) Machine Learning: A Probabilistic Perspective (Adaptive Computation and Machine Learning series) Machine Learning: For Beginners: Definitive Guide for Neural Networks, Algorithms, Random Forests and Decision Trees Made Simple (Machine Learning, Book 1) BREAD MACHINE COOKBOOK: 120 Most Delicious Bread Machine Recipes (bread, bread bible, bread makers, breakfast, bread machine cookbook, bread baking, bread making, healthy, healthy recipes) Reinforcement Learning with Python: An Introduction (Adaptive Computation and Machine Learning series) Reinforcement Learning: An Introduction (Adaptive Computation and Machine Learning) Introduction to Deep Learning Using R: A Step-by-Step Guide to Learning and Implementing Deep Learning Models Using R Deep Learning (Adaptive Computation and Machine Learning series) Machine Learning: Fundamental Algorithms for Supervised and Unsupervised Learning With Real-World Applications Practical Machine Learning with H2O: Powerful, Scalable Techniques for Deep Learning and AI MATLAB Deep Learning: With Machine Learning, Neural Networks and Artificial Intelligence Semi-Supervised Learning (Adaptive Computation and Machine Learning series) Algorithms for Reinforcement Learning (Synthesis Lectures on Artificial Intelligence and Machine Learning) Essentials of Game Theory: A Concise, Multidisciplinary Introduction (Synthesis Lectures on Artificial Intelligence and Machine Learning) Introduction to Machine Learning with Python: A Guide for Data Scientists An Introduction to Machine Learning Bendy and the Ink Machine- An Animator's Tale: Book 1: Welcome to Joey Drew Studios! (Bendy and the Ink Machine - An Animator's Tale) The Bread Lover's Bread Machine Cookbook: A Master Baker's 300 Favorite Recipes for Perfect-Every-Time Bread-From Every Kind of Machine The Sewing Machine Embroiderer's Bible: Get the Most from Your Machine with Embroidery Designs and Inbuilt Decorative Stitches

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