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Crisis
Decisionmaking

Frontiers Media SA
The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These

topics are traditionally taught in disparate courses, making it hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning

methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every

chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site. **Neural Networks and Statistical Learning** MIT Press
After interviewing fifty of the world's greatest financial minds and penning the #1 New York Times bestseller *Money: Master the Game*, Tony Robbins returns with a step-by-step playbook, taking you on a journey to transform your financial life and

accelerate your path to financial freedom. No matter your salary, your stage of life, or when you started, this book will provide the tools to help you achieve your financial goals more rapidly than you ever thought possible. Robbins, who has coached more than fifty million people from 100 countries, is the world's #1 life and business strategist. In this book, he teams up with Peter Mallouk, the only man in history to be ranked the #1 financial advisor in

the US for three consecutive years by Barron's. Together they reveal how to become unshakeable--someone who can not only maintain true peace of mind in a world of immense uncertainty, economic volatility, and unprecedented change, but who can profit from the fear that immobilizes so many. In these pages, through plain English and inspiring stories, you'll discover...
-How to put together a simple, actionable plan that can deliver

true financial freedom.
-Strategies from the world's top investors on how to protect yourself and your family and maximize profit from the inevitable crashes and corrections to come. -How a few simple steps can add a decade or more of additional retirement income by discovering what your 401(k) provider doesn't want you to know.
-The core four principles that most of the world's greatest financial minds utilize so that you can maximize upside and minimize

downside. -The fastest way to put money back in your pocket: uncover the hidden fees and half truths of Wall Street--how the biggest firms keep you overpaying for underperformance.

-Master the mindset of true wealth and experience the fulfillment you deserve today.

Optical and Wireless Technologies

Springer Nature
An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques

used in industry, and research perspectives.

“Written by three experts in the field, Deep Learning is the only comprehensive book on the subject.”

—Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX
Deep learning is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. Because the computer gathers knowledge from experience, there is no need for a human computer operator to formally specify all the knowledge that the

computer needs. The hierarchy of concepts allows the computer to learn complicated concepts by building them out of simpler ones; a graph of these hierarchies would be many layers deep. This book introduces a broad range of topics in deep learning. The text offers mathematical and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning. It describes deep learning techniques used by practitioners in industry,

including deep feedforward networks, regularization, optimization algorithms, convolutional networks, sequence modeling, and practical methodology; and it surveys such applications as natural language processing, speech recognition, computer vision, online recommendation systems, bioinformatics, and videogames. Finally, the book offers research perspectives, covering such theoretical topics as linear factor models, autoencoders, representation

learning, structured probabilistic models, Monte Carlo methods, the partition function, approximate inference, and deep generative models. Deep Learning can be used by undergraduate or graduate students planning careers in either industry or research, and by software engineers who want to begin using deep learning in their products or platforms. A website offers supplementary material for both readers and instructors. [The Oxford Handbook of Developmental Psychology, Vol. 2](#) Springer Science &

Business Media Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods

on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through

the book's supporting website to help course instructors prepare their lectures.

[SharePoint 2010 Web Parts in Action](#)

Springer Nature

This book review series presents current trends in modern biotechnology. The aim is to cover all aspects of this interdisciplinary technology where knowledge, methods and expertise are required from chemistry,

biochemistry, microbiology, genetics, chemical engineering and computer science.

Volumes are organized topically and provide a comprehensive discussion of developments in the respective field over the past 3-5 years. The series also discusses new discoveries and applications. Special volumes are dedicated to selected topics which focus on new

biotechnologic
al products
and new
processes for
their
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In general,
special
volumes are
edited by
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will however
always be
pleased to
receive
suggestions
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Manuscripts
are accepted
in English.
**Introduction
to Information
Retrieval**

Springer
This book
begins with
the past and
present of the
subversive
technology of
artificial
intelligence,
clearly
analyzes the
overall
picture,
latest
developments
and
development
trends of the
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intelligence
industry, and
conducts in-
depth research
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book also
provides an in-
depth analysis
of the
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and challenges
that artificial
intelligence
brings to
individuals,
businesses, and
society. For
readers who
want to fully
understand
artificial
intelligence,
this book
provides an
important
reference and
is a must-read.
PC Magazine
Oxford
University
Press
This second
edition
focuses on
audio, image
and video
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such as the recognition of hand gestures or the transcription of handwritten data. Machine Learning for Audio, Image and Video Analysis is suitable for students to acquire a solid background in machine learning as well as for practitioners to deepen their knowledge of the state-of-the-art. All application chapters are based on

publicly available data and free software packages, thus allowing readers to replicate the experiments. *Multiple Classifier Systems* Zed Books Ltd. Dick Popkin and James Force have attended a number of recent conferences where it was apparent that much new and important research was being done in the

fields of interpreting Newton's and Spinoza's contributions as biblical scholars and of the relationship between their biblical scholarship and other aspects of their particular philosophies. This collection represents the best current research in this area. It stands alone as the

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University
Press
This handbook
provides a
comprehensive
survey of what
is now known
about
psychological
development,
from birth to
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maturity, and
it highlights
how cultural,
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*Artificial
Intelligence*
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Providing a

broad but in-
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this book
provides a
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are covered
with examples
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develop a
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the radial basis function network, recurrent neural networks, principal component analysis, nonnegative matrix factorization, independent component analysis, discriminant analysis, support vector machines, kernel methods, reinforcement learning, probabilistic and Bayesian networks, data fusion and ensemble

learning, fuzzy sets and logic, neurofuzzy models, hardware implementations, and some machine learning topics. Applications to biometric/bioinformatic s and data mining are also included. Focusing on the prominent accomplishments and their practical aspects, academic and technical staff, graduate students and researchers

will find that this provides a solid foundation and encompassing reference for the fields of neural networks, pattern recognition, signal processing, machine learning, computational intelligence, and data mining. *Semi-Supervised Learning* Springer This text covers the technologies of document retrieval, information extraction,

and text categorization in a way which highlights commonalities in terms of both general principles and practical concerns. It assumes some mathematical background on the part of the reader, but the chapters typically begin with a non-mathematical account of the key issues. Current research topics are covered only to the extent that they are informing current applications; detailed coverage of longer term

research and more theoretical treatments should be sought elsewhere. There are many pointers at the ends of the chapters that the reader can follow to explore the literature. However, the book does maintain a strong emphasis on evaluation in every chapter both in terms of methodology and the results of controlled experimentation. *Natural Language Processing for Online Applications*

Cambridge University Press
This unique text brings together into a single framework current research in the three areas of discrete calculus, complex networks, and algorithmic content extraction. Many example applications from several fields of computational science are provided.

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artificial intelligence, his arrest and prosecution for the crime of "gross indecency," and his early death by apparent suicide at the age of 41.

Inside Microsoft SharePoint

2013 Now Publishers Inc

Build custom SharePoint solutions with architectural insights from the experts.

Take a deep

dive into SharePoint 2013, and master the intricacies for designing and implementing robust apps and other business solutions for your organization. Led by an author team with in-depth knowledge of SharePoint architecture, you'll thoroughly explore the SharePoint 2013 development

platform and new app model through hands-on tasks and extensive code samples. Discover how to: Create S harePoint-hosted, provider-hosted, and autohosted apps Master the new app security model with OAuth and Certificates Develop workflows with the SharePoint 2013 workflow

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presents a
good overview
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assembly,
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robotics. The
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