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Provides information on publisher, operating system, memory requirements, and cost for thousands of programs in

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accounting, agricultural
management, banking, inventory,
communications, engineering,
investment, and word processing
"With an appendix containing a
full analysis of the debts of the
United States, the several states,

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municipalities etc. Also statements of street railway and traction companies, industrial corporations, etc." (statement omitted on later vols.).

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Linux computer—now dive below and explore its depths with the power of the command line. The Linux Command Line takes you from your very first terminal keystrokes to writing full programs in Bash, the most

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popular Linux shell. Along the way you'll learn the timeless skills handed down by generations of gray-bearded, mouse-shunning gurus: file navigation, environment configuration, command

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chaining, pattern matching with regular expressions, and more. In addition to that practical knowledge, author William Shotts reveals the philosophy behind these tools and the rich heritage that your desktop Linux

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machine has inherited from Unix supercomputers of yore. As you make your way through the book's short, easily-digestible chapters, you'll learn how to: *

- Create and delete files,
- directories, and symlinks *

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Administer your system,
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natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust. A featured resource in the Linux Foundation's "Evolution of a SysAdmin"

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The Linux Command Line

*The handbook focuses on a
complete outline of
lithium-ion batteries.*

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*an exposition of the
fundamentals of this
system, the book gives a
short explanation of the
newest cell generation.
The most important
elements are described as*

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*negative / positive
electrode materials,
electrolytes, seals and
separators. The battery
disconnect unit and the
battery management system
are important parts of*

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*modern lithium-ion
batteries. An economical,
faultless and efficient
battery production is a
must today and is
represented with one
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Cross-cutting issues like electrical, chemical, functional safety are further topics. Last but not least standards and transportation themes are the final chapters of the

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handbook. The different topics of the handbook provide a good knowledge base not only for those working daily on electrochemical energy storage, but also to

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*scientists, engineers and
students concerned in
modern battery systems.
The definitive resource
for information on air
pollution emission sources
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*they need for compliance
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*Contributing experts from
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*equipment used with all
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particulate matter, and
emissions control for
areas ranging from graphic
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*metallurgical industry.
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flowcharts and photographs
as well as an extensive
listing of Internet
resources accompany
coverage of: * Biological*

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*air pollution control,
including biofilters and
bioscrubbers * Emissions
from wood processing,
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*manufacturing, numerous
other industrial
processes, fugitive
emissions, internal
combustion sources, and
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*plant emissions * Changes
in emission factors for
each source category,
including particle size
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*and technologies * And
much more THE AIR & WASTE
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Association promotes
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responsibility and*

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and Volunteer Forces

Foundations and Learning
Algorithms

The R Book

*By his early thirties, Paul Allen
was a world-famous billionaire-*

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and that was just the beginning. In 2007 and 2008, Time named Paul Allen, the cofounder of Microsoft, one of the hundred most influential people in the world. Since he made his fortune, his impact has been felt

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in science, technology, business, medicine, sports, music, and philanthropy. His passion, curiosity, and intellectual rigor-combined with the resources to launch and support new initiatives-have literally changed

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the world. In 2009 Allen discovered that he had lymphoma, lending urgency to his desire to share his story for the first time. In this classic memoir, Allen explains how he has solved problems, what he's

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learned from his many endeavors-both the triumphs and the failures-and his compelling vision for the future. He reflects candidly on an extraordinary life. The book also features previously untold stories about

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everything from the true origins of Microsoft to Allen's role in the dawn of private space travel (with SpaceShipOne) and in discoveries at the frontiers of brain science. With honesty, humor, and insight, Allen tells the

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*story of a life of ideas made real.
Revised and updated to cover
the latest release of OSF Motif,
this bestselling tutorial guide to
the X Window System describes
how to develop interactive
applications using Motif, Xlib,*

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and Xt. More detailed explanations and examples make the second edition more accessible for novices while providing more detailed coverage of Motif for experienced programmers.

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Designed to provide a realistic look at how Motif applications are written, this expanded edition starts with a complete architectural overview and introduces key concepts with clear examples and working

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programs. Key features: covers new topics including drag and drop, tearoff menus, window manager interaction, writing Motif widgets, and XPM pixmaps; greatly expanded coverage of Motif (3 new chapters);

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demonstrates callbacks, event handlers, the translation manager, the resource manager, and other important Xt and Motif features; and all examples are written in ANSI C and updated to X11R5 and Motif 1.2.

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The first account in book form of all the essential features of the quasi-likelihood methodology, stressing its value as a general purpose inferential tool. The treatment is rather informal, emphasizing essential principles

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rather than detailed proofs, and readers are assumed to have a firm grounding in probability and statistics at the graduate level. Many examples of the use of the methods in both classical statistical and stochastic process

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contexts are provided.

*IBM Personal Computer XT, the
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Data Mining: Concepts and
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this text presents circuit
analysis in a clear
manner, with many
practical applications. It
demonstrates the
principles, carefully

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explaining each step.
The high-level language of R is recognized as one of the most powerful and flexible statistical software environments, and is rapidly becoming the

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numerous statistical methods ranging from simple regression to time series or multivariate analysis. Building on the success of the author's bestselling *Statistics: An*

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generalized mixed models,
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"APA 7th + MLA 9th Quick Study Guidelines in Tables for Class" are 32 big colorful sheets (8"x11") of tables specifically

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Edition) --- Concise Guide
to MLA Handbook (9th
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APA Manual (7th Edition)
Revised according to the
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are offering 16 big sheets
(8"x11") with tables
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and examples of APA: -
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figures - appendices, etc.
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- changes to quotations -
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capitalization, italics,
numbers) and -
abbreviations, etc. This
student guide reflects the

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*Data Mining: Concepts and
Techniques provides the concepts
and techniques in processing*

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gathered data or information, which will be used in various applications. Specifically, it explains data mining and the tools used in discovering knowledge from the collected data. This book is referred as the knowledge

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discovery from data (KDD). It focuses on the feasibility, usefulness, effectiveness, and scalability of techniques of large data sets. After describing data mining, this edition explains the methods of knowing,

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preprocessing, processing, and warehousing data. It then presents information about data warehouses, online analytical processing (OLAP), and data cube technology. Then, the methods involved in mining frequent

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patterns, associations, and correlations for large data sets are described. The book details the methods for data classification and introduces the concepts and methods for data clustering. The remaining chapters discuss the

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outlier detection and the trends, applications, and research frontiers in data mining. This book is intended for Computer Science students, application developers, business professionals, and researchers who seek information

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*on data mining. Presents dozens of algorithms and implementation examples, all in pseudo-code and suitable for use in real-world, large-scale data mining projects
Addresses advanced topics such as mining object-relational*

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databases, spatial databases, multimedia databases, time-series databases, text databases, the World Wide Web, and applications in several fields Provides a comprehensive, practical look at the concepts and techniques you

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*need to get the most out of your
data*

*Life of Pi is a masterful and
utterly original novel that is at
once the story of a young
castaway who faces immeasurable
hardships on the high seas, and a*

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meditation on religion, faith, art and life that is as witty as it is profound. Using the threads of all of our best stories, Yann Martel has woven a glorious spiritual adventure that makes us question what it means to be alive, and to

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believe.

Now in widespread use, generalized additive models (GAMs) have evolved into a standard statistical methodology of considerable flexibility. While Hastie and Tibshirani's

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*outstanding 1990 research
monograph on GAMs is largely
responsible for this, there has
been a long-standing need for an
accessible introductory treatment
of the subject that also
emphasizes recent penalized*

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*regression spline approaches to
GAMs and the mixed model
extensions of these models.
Generalized Additive Models: An
Introduction with R imparts a
thorough understanding of the
theory and practical applications*

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of GAMs and related advanced models, enabling informed use of these very flexible tools. The author bases his approach on a framework of penalized regression splines, and builds a well-grounded foundation through

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motivating chapters on linear and generalized linear models. While firmly focused on the practical aspects of GAMs, discussions include fairly full explanations of the theory underlying the methods. Use of the freely

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available R software helps explain the theory and illustrates the practicalities of linear, generalized linear, and generalized additive models, as well as their mixed effect extensions. The treatment is rich

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with practical examples, and it includes an entire chapter on the analysis of real data sets using R and the author's add-on package mgcv. Each chapter includes exercises, for which complete solutions are provided in an

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*appendix. Concise,
comprehensive, and essentially
self-contained, Generalized
Additive Models: An Introduction
with R prepares readers with the
practical skills and the theoretical
background needed to use and*

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understand GAMs and to move on to other GAM-related methods and models, such as SS-ANOVA, P-splines, backfitting and Bayesian approaches to smoothing and additive modelling.

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underlying causal inference, the book teaches readers how to use causal models: how to compute intervention distributions, how to infer causal models from observational and interventional data, and how causal ideas could be exploited for classical machine learning problems. All of these

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topics are discussed first in terms of two variables and then in the more general multivariate case. The bivariate case turns out to be a particularly hard problem for causal learning because there are no conditional independences as used by classical methods for solving multivariate cases. The authors

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consider analyzing statistical asymmetries between cause and effect to be highly instructive, and they report on their decade of intensive research into this problem. The book is accessible to readers with a background in machine learning or statistics, and can be used in graduate courses or as a

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reference for researchers. The text includes code snippets that can be copied and pasted, exercises, and an appendix with a summary of the most important technical concepts.

This is an update of OECD 2006 "Understanding National Accounts". It contains new data, new chapters and is

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adapted to the new systems of national accounts, SNA 2008 and ESA 2010.

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the electric utility
industry prompted by
deregulation.

Understanding Molecular
Simulation: From
Algorithms to Applications
explains the physics

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behind the "recipes" of
molecular simulation for
materials science.

Computer simulators are
continuously confronted
with questions concerning
the choice of a particular

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technique for a given application. A wide variety of tools exist, so the choice of technique requires a good understanding of the basic principles. More

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importantly, such understanding may greatly improve the efficiency of a simulation program. The implementation of simulation methods is illustrated in pseudocodes

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and their practical use in the case studies used in the text. Since the first edition only five years ago, the simulation world has changed significantly -- current techniques have

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matured and new ones have appeared. This new edition deals with these new developments; in particular, there are sections on: · Transition path sampling and

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diffusive barrier crossing
to simulates rare events ·
Dissipative particle
dynamic as a course-
grained simulation
technique · Novel schemes
to compute the long-ranged

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forces · Hamiltonian and
non-Hamiltonian dynamics
in the context constant-
temperature and constant-
pressure molecular
dynamics simulations ·
Multiple-time step

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alternative for
constraints · Defects in
solids · The pruned-
enriched Rosenbluth
sampling, recoil-growth,
and concerted rotations

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for complex molecules .
Parallel tempering for
glassy Hamiltonians
Examples are included that
highlight current
applications and the codes
of case studies are

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available on the World Wide Web. Several new examples have been added since the first edition to illustrate recent applications. Questions are included in this new

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edition. No prior
knowledge of computer
simulation is assumed.
Boh's Pharmacy Practice
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A Memoir by the Cofounder
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Principles of Econometrics

Introduction to Applied

Linear Algebra

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provides detailed metrics about the innovation performance of 131 countries and economies around the world. Its 80 indicators explore a broad vision of innovation, including political environment, education, infrastructure and business sophistication. The 2020

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edition sheds light on the state of innovation financing by investigating the evolution of financing mechanisms for entrepreneurs and other innovators, and by pointing to progress and remaining challenges – including in the context of the economic

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slowdown induced by the coronavirus disease (COVID-19) crisis.

GNU Emacs is much more than a word processor; over the years it has expanded into an entire workflow environment.

Programmers are impressed by its

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- * Special scripting language modes for Bash, other

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common shells, and creating
Makefiles for GNU/Linux, Unix,
Windows/DOS and VMS systems*
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21 non-English languages,
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This open access book offers a summary of the development of Digital Earth over the past twenty years. By reviewing the initial vision of Digital Earth, the evolution of that vision, the relevant key technologies, and the role of Digital Earth in helping people respond to

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global challenges, this publication reveals how and why Digital Earth is becoming vital for acquiring, processing, analysing and mining the rapidly growing volume of global data sets about the Earth. The main aspects of Digital Earth covered here include: Digital Earth

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platforms, remote sensing and navigation satellites, processing and visualizing geospatial information, geospatial information infrastructures, big data and cloud computing, transformation and zooming, artificial intelligence, Internet of Things, and social

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media. Moreover, the book covers in detail the multi-layered/multi-faceted roles of Digital Earth in response to sustainable development goals, climate changes, and mitigating disasters, the applications of Digital Earth (such as digital city and digital

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heritage), the citizen science in support of Digital Earth, the economic value of Digital Earth, and so on. This book also reviews the regional and national development of Digital Earth around the world, and discusses the role and effect of education and ethics. Lastly, it

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concludes with a summary of the challenges and forecasts the future trends of Digital Earth. By sharing case studies and a broad range of general and scientific insights into the science and technology of Digital Earth, this book offers an essential introduction for an ever-

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