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Vol. 3- includes v. 190- of the Transactions.

Traditionally, much of big business in the industrialized Western world has been organized around particular corporate societies—notoriously referred to as “old boy” networks. With the recent drift toward a more liberal market economy, however, these networks have been showing signs of decline—in some cases, all but disappearing. Eelke M. Heemskerk combines formal network analysis and interviews with key members of the

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corporate elite in order to examine how this decline has affected Dutch capitalism. Even in a liberal market economy, however, corporate directors need social networks to communicate and coordinate their strategic decisions, and Decline of the Corporate Community considers the shift of the corporate elite to the new private and informal circles where networking takes place.

This fascinating book explores Beat Generation writing from a transnational perspective, using the concept of worlding to place Beat literature in conversation with a far-reaching network of cultural and political formations. Countering the charge that the Beats abroad were at

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best naïve tourists seeking exoticism for exoticism's sake, World Beats finds that these writers propelled a highly politicized agenda that sought to use the tools of the earlier avant-garde to undermine Cold War and postcolonial ideologies and offer a new vision of engaged literature. With fresh interpretations of central Beat authors Jack Kerouac, Allen Ginsberg, and William Burroughs - as well as usually marginalized writers like Philip Lamantia, Ted Joans, and Brion Gysin - World Beats moves beyond national, continental, or hemispheric frames to show that embedded within Beat writing is an essential universality that brought America to the world and the world to American literature. This

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book presents an original treatment that will attract a broad spectrum of scholars.

Chinese Sympathies examines how Europeans—German-speaking writers and thinkers in particular—identified with Chinese intellectual and literary traditions following the circulation of Marco Polo's Travels. This sense of affinity expanded and deepened, Daniel Leonhard Purdy shows, as generations of Jesuit missionaries, baroque encyclopedists, Enlightenment moralists, and translators established intellectual regimes that framed China as being fundamentally similar to Europe. Analyzing key German literary texts—theological treatises, imperial histories, tragic dramas, moral philosophies, literary

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translations, and poetic cycles—Chinese Sympathies traces the paths from baroque-era missionary reports that accommodated Christianity with Confucianism to Goethe's concept of world literature, bridged by Enlightenment debates over cosmopolitanism and sympathy, culminating in a secular principle that allowed readers to identify meaningful similarities across culturally diverse literatures based on shared human experiences. Thanks to generous funding from Penn State University, the ebook editions of this book are available as Open Access volumes from Cornell Open (cornellopen.org) and other repositories.

Decline of the Corporate Community

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Chinese Sympathies

*How Hyperpowers Rise to Global Dominance--and Why
They Fall*

*Emerging Technologies in Data Mining and Information
Security*

Proceedings of IEMIS 2020, Volume 3

Right to Be Hostile

A Textbook

**A comprehensive introduction to the
multidisciplinary applications of
mathematical methods, revised and
updated The second edition of Essentials**

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of Mathematical Methods in Science and Engineering offers an introduction to the key mathematical concepts of advanced calculus, differential equations, complex analysis, and introductory mathematical physics for students in engineering and physics research. The book's approachable style is designed in a modular format with each chapter covering a subject thoroughly and thus can be read independently. This updated second edition includes two new and

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extensive chapters that cover practical linear algebra and applications of linear algebra as well as a computer file that includes Matlab codes. To enhance understanding of the material presented, the text contains a collection of exercises at the end of each chapter. The author offers a coherent treatment of the topics with a style that makes the essential mathematical skills easily accessible to a multidisciplinary audience. This important text: • Includes

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derivations with sufficient detail so that the reader can follow them without searching for results in other parts of the book • Puts the emphasis on the analytic techniques • Contains two new chapters that explore linear algebra and its applications • Includes Matlab codes that the readers can use to practice with the methods introduced in the book
Written for students in science and engineering, this new edition of Essentials of Mathematical Methods in

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Science and Engineering maintains all the successful features of the first edition and includes new information. The most profound change that the United States and China have experienced in their relations over the past 30 years is perhaps the onset of an apparent power transition between the two nations. This potentially titanic change was set in motion as a result of China's genuine and phenomenal economic development, and the impact

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of this economic success on the United States and the U.S.-led international system has been growing steadily. This perceived power transition process will continue to be a defining factor in U.S.-China relations for the next 30 years. As China's economic, political, cultural, and military influence continue to grow globally, what kind of a global power will China become? What kind of a relationship will evolve between China and the United States? How will the

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United States maintain its leadership in world affairs and develop a working relationship with China so that China can join hands with the United States to shape the world in constructive ways? In this book, Dr. David Lai offers an engaging discussion of these questions and others. His analysis addresses issues that trouble U.S. as well as Chinese leaders. Dr. Lai has taken painstaking care to put the conflicting positions in perspective, most notably

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presenting the origins of the conflicts, highlighting the conflicting parties' key opposing positions (by citing their primary or original sources), and pointing out the stalemates.

Health care systems worldwide are faced with the challenge of improving the quality of care. Providing evidence from health research is necessary but not sufficient for the provision of optimal care and so knowledge translation (KT), the scientific study of methods for

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closing the knowledge-to-action gap and of the barriers and facilitators inherent in the process, is gaining significance. Knowledge Translation in Health Care explains how to use research findings to improve health care in real life, everyday situations. The authors define and describe knowledge translation, and outline strategies for successful knowledge translation in practice and policy making. The book is full of examples of how knowledge translation

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models work in closing the gap between evidence and action. Written by a team of authors closely involved in the development of knowledge translation this unique book aims to extend understanding and implementation worldwide. It is an introductory guide to an emerging hot topic in evidence-based care and essential for health policy makers, researchers, managers, clinicians and trainees.

From the co-author of Three Cups of Tea

comes the inspiring story of two very different doctors—one from the United States, the other from Nepal—united in a common mission: to rid the world of preventable blindness. In this transporting book, David Oliver Relin shines a light on the work of Geoffrey Tabin and Sanduk Ruit, gifted ophthalmologists who have dedicated their lives to restoring sight to some of the world's most isolated, impoverished people through the Himalayan Cataract

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Project, an organization they founded in 1995. Tabin was the high-achieving bad boy of Harvard Medical School, an accomplished mountain climber and adrenaline junkie as brilliant as he was unconventional. Ruit grew up in a remote Nepalese village, where he became intimately acquainted with the human costs of inadequate access to health care. Together they found their life's calling: tending to the afflicted people of the Himalayas, a vast

mountainous region with an alarmingly high incidence of cataract blindness. Second Suns takes us from improvised plywood operating tables in villages without electricity or plumbing to state-of-the-art surgical centers at major American universities where these two driven men are restoring sight—and hope—to patients from around the world. With their revolutionary, inexpensive style of surgery, Tabin and Ruit have been able to cure tens of thousands—all

for about twenty dollars per operation. David Oliver Relin brings the doctors' work to vivid life through poignant portraits of patients helped by the surgery, from old men who cannot walk treacherous mountain trails unaided to cataract-stricken children who have not seen their mothers' faces for years. With the dexterity of a master storyteller, Relin shows the profound emotional and practical impact that these operations have had on patients' lives. Second Suns

is the moving, unforgettable story of how two men with a shared dream are changing the world, one pair of eyes at a time. Praise for Second Suns “As miracles go, it’s hard to beat making the blind see. Yet that’s exactly what the eye surgeon Dr. Geoffrey Tabin can do. He services poor people in the developing world who have developed cataracts—a clouding of the lens of the eye that is the world’s leading cause of blindness. . . . Second Suns is a hopeful

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work, a profile of two doctors who have dedicated their lives to bringing light to those in darkness.”—Time “A compelling and inspiring book . . . Second Suns portrays heroic health care delivered under harrowing conditions: Ruit and his teams carry their equipment on multi-day treks up steep mountain trails, sometimes hiking at night with flashlights or head lamps, to reach settlements where they typically spend several days operating on hundreds of

villagers in makeshift surgical theaters.”—The Washington Post
“Second Suns should be required reading for anybody with an interest in humanitarian philanthropy—or, for that matter, a desire to feel a little better about the world.”—Outside **“A detailed, heartfelt account of the work of [two] dedicated pioneers.”—Kirkus Reviews**
From the Hardcover edition.
Methods and Protocols
A Life Course Approach

A History of Sound in the Arts
Feng Shui: Teaching About Science and Pseudoscience
African Americans, American Indians & Alaska Natives, Asian Americans & Pacific Islanders, Hispanics
Implemented Studies
Principles in Practice

This book takes a pragmatic approach to deploying state-of-the-art optical networking equipment in metro-core and backbone networks. The book is oriented

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towards practical implementation of optical network design. Algorithms and methodologies related to routing, regeneration, wavelength assignment, sub rate-traffic grooming and protection are presented, with an emphasis on optical-bypass-enabled (or all-optical) networks. The author has emphasized the economics of optical networking, with a full chapter of economic studies that offer guidelines as to when and how optical-bypass

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technology should be deployed. This new edition contains: new chapter on dynamic optical networking and a new chapter on flexible/elastic optical networks. Expanded coverage of new physical-layer technology (e.g., coherent detection) and its impact on network design and enhanced coverage of ROADM architectures and properties, including colorless, directionless, contentionless and gridless. Covers 'hot' topics, such as Software Defined

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Networking and energy efficiency, algorithmic advancements and techniques, especially in the area of impairment-aware routing and wavelength assignment. Provides more illustrative examples of concepts are provided, using three reference networks (the topology files for the networks are provided on a web site, for further studies by the reader). Also exercises have been added at the end of the chapters to enhance the book's utility

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as a course textbook.

Mass Spectrometry is an ideal textbook for students and professionals as well as newcomers to the field. Starting from the very first principles of gas-phase ion chemistry and isotopic properties, the textbook takes the reader through the design of mass analyzers and ionization methods all the way to mass spectral interpretation and coupling techniques. Step-by-step, the reader learns how mass spectrometry

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works and what it can do. The book comprises a balanced mixture of practice-oriented information and theoretical background. It features a clear layout and a wealth of high-quality figures. Exercises and solutions are located on the Springer Global Web.

In *Right to be Hostile*, scholar and activist Erica Meiners offers concrete examples and new insights into the "school to prison" pipeline phenomenon,

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showing how disciplinary regulations, pedagogy, pop culture and more not only implicitly advance, but actually normalize an expectation of incarceration for urban youth. Analyzed through a framework of an expanding incarceration nation, Meiners demonstrates how educational practices that disproportionately target youth of color become linked directly to practices of racial profiling that are endemic in state structures. As early

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as preschool, such educational policies and practices disqualify increasing numbers of students of color as they are funneled through schools as under-educated, unemployable, 'dangerous,' and in need of surveillance and containment. By linking schools to prisons, Meiners asks researchers, activists, and educators to consider not just how our schools' physical structures resemble prisons— metal detectors or school uniforms— but the

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tentacles in policies, practices and informal knowledge that support, naturalize, and extend, relationships between incarceration and schools. Understanding how and why prison expansion is possible necessitates connecting schools to prisons and the criminal justice system, and redefining "what counts" as educational policy. The International Conference on Communications, Management, and Information Technology (ICCMIT'16)

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provides a discussion forum for scientists, engineers, educators and students about the latest discoveries and realizations in the foundations, theory, models and applications of systems inspired on nature, using computational intelligence methodologies, as well as in emerging areas related to the three tracks of the conference: Communication Engineering, Knowledge, and Information Technology. The best 25 papers to be

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included in the book will be carefully reviewed and selected from numerous submissions, then revised and expanded to provide deeper insight into trends shaping future ICT.

Two Doctors and Their Amazing Quest to Restore Sight and Save Lives

Optical Network Design and Planning

Network Dynamics of the Dutch Business Elite

Feature Engineering for Machine Learning

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Preparing to Teach Writing

Handbook of Diversity Issues in Health

Psychology

Mining Engineering

This book features research papers presented at the International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS 2020) held at the University of Engineering & Management, Kolkata, India, during July 2020. The book is organized in three volumes and includes high-quality research work by academicians and industrial experts in the field of computing and communication, including full-length

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papers, research-in-progress papers, and case studies related to all the areas of data mining, machine learning, Internet of things (IoT), and information security.

This volume looks at key methodologies that are commonly used across antibody drug conjugates (ADCs) programs.

The chapters in this book cover topics such as conjugations to endogenous cysteine residues; click chemistry conjugations; antibody conjugations via glycosyl remodeling; analysis of ADCs by native mass spectrometry; characterization of ADCs by capillary electrophoresis; LC/MS methods for studying lysosomal ADC catabolism; and determination of ADC concentration by ligand-binding assays. Written in the highly successful

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Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Cutting-edge and practical, **Antibody-Drug Conjugates: Methods and Protocols** is a valuable resource that aims to lower the "activation barrier" when undertaking a new discipline, and provides a "toolbox" for the next generation of ADC scientists.

In **Foundation and Endowment Investing**, authors Lawrence Kochard and Cathleen Ritterer offer you a detailed look at this fascinating world and the strategies

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used to achieve success within it. Filled with in-depth insights and expert advice, this reliable resource profiles twelve of the most accomplished Chief Investment Officers within today's foundation and endowment community—chronicling their experiences, investment philosophies, and the challenges they face—and shares important lessons that can be used as you go about your own investment endeavors.

This book constitutes the thoroughly refereed post-conference proceedings of the 7th International ICST Conference on Broadband Communications, Networks and Systems (BROADNETS 2010) held in October 2010 in Athens, Greece. The 39 revised full papers were carefully

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selected from numerous submissions. The conference was divided in 3 tracks: Optical, Wireless and Internet. The optical track covers topics such as optical switch architectures, reliable optical networking, routing, wavelength assignment, and traffic grooming, network control and management. The wireless track highlights MIMO and OFDM techniques, mobility management, routing protocols, hybrid networks and the internet track covers routing, scheduling, security, trust, semantic technologies and social networks.

Media, Missionaries, and World Literature from Marco Polo to Goethe

2021 7th Annual International Conference on Network and

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Information Systems for Computers (ICNISC)

Problems and Approaches

Advanced Operating Systems and Kernel Applications:

Techniques and Technologies

Tobacco Use Among U. S. Racial Ethnic Minority Groups

Philosophies and Strategies of Top Investors and

Institutions

Accounting for Decision Making and Control

Communications technology Wireless networks
Network Architecture and Design Quantum
communication Sensor fusion Software Software
Engineering Sensors System implementation
Information Technology and Systems Computer

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Applications

This book aims to provide relevant theoretical frameworks and the latest empirical research findings in Internet of Things (IoT) in Management Science and Operations Research. It starts with basic concept and present cases, applications, theory, and potential future. The contributed chapters to the book cover wide array of topics as space permits. Examples are from smart industry; city; transportation; home and smart devices. They present future applications, trends, and potential future of this new discipline. Specifically, this book provides an interface between the main disciplines of engineering/technology and the organizational, administrative, and planning

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capabilities of managing IoT. This book deals with the implementation of latest IoT research findings in practice at the global economy level, at networks and organizations, at teams and work groups and, finally, IoT at the level of players in the networked environments. This book is intended for professionals in the field of engineering, information science, mathematics, economics, and researchers who wish to develop new skills in IoT, or who employ the IoT discipline as part of their work. It will improve their understanding of the strategic role of IoT at various levels of the information and knowledge organization. The book is complemented by a second volume of the same editors with practical cases.

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The fourth edition of this classical reference book can once again be relied upon to present a cohesive and up-to-date exposition of all aspects of human and medical genetics. Human genetics has become one of the main basic sciences in medicine, and molecular genetics is increasingly becoming a major part of this field. This new edition integrates a wealth of new information - mainly describing the influence of the "molecular revolution" - including the principles of epigenetic processes which together create the phenotype of a human being. Other revisions are an improved layout, sub-division into a larger number of chapters, as well as two-colour print throughout for ease of reference, and many of the figures are now in

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full colour. For graduates and those already working in medical genetics.

With ever-increasing demands on capacity, quality of service, speed, and reliability, current Internet systems are under strain and under review.

Combining contributions from experts in the field, this book captures the most recent and innovative designs, architectures, protocols, and mechanisms that will enable researchers to successfully build the next-generation Internet. A broad perspective is provided, with topics including innovations at the physical/transmission layer in wired and wireless media, as well as the support for new switching and routing paradigms at the device and sub-system

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layer. The proposed alternatives to TCP and UDP at the data transport layer for emerging environments are also covered, as are the novel models and theoretical foundations proposed for understanding network complexity. Finally, new approaches for pricing and network economics are discussed, making this ideal for students, researchers, and practitioners who need to know about designing, constructing, and operating the next-generation Internet.

Networking Infrastructure for Pervasive Computing
Essentials of Mathematical Methods in Science and Engineering

Shaping the Future of ICT

Disaster Risk Management in Asia and the Pacific

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World Beats

Towards a Hybrid Capitalism

Foundation and Endowment Investing

This book, first published in 2005, offers an introduction to the application of algebraic statistics to computational biology.

In this sweeping history, bestselling author Amy Chua explains how globally dominant empires—or hyperpowers—rise and why they fall. In a series of brilliant chapter-length studies, she examines the most powerful cultures in history—from the ancient empires of Persia and China to the recent global empires of England and the United States—and

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reveals the reasons behind their success, as well as the roots of their ultimate demise. Chua's analysis uncovers a fascinating historical pattern: while policies of tolerance and assimilation toward conquered peoples are essential for an empire to succeed, the multicultural society that results introduces new tensions and instabilities, threatening to pull the empire apart from within. What this means for the United States' uncertain future is the subject of Chua's provocative and surprising conclusion.

This book constitutes the proceedings of the

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21st International Conference on Passive and Active Measurement, PAM 2020, which was planned to be held in Eugene, Oregon, USA, in March 2020. Due to the Corona pandemic, the conference was organized as a virtual meeting. The 19 full papers presented in this volume were carefully reviewed and selected from 65 submissions. They were organized in topical sections named: active measurement; security; best practices and conformance; domain names; topology and routing; topology - alias resolution; and Web.

This is the eBook version of the printed book. If the print book includes a CD-ROM,

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this content is not included within the eBook version. Learn practical guidelines for designing and deploying a scalable BGP routing architecture Up-to-date coverage of BGP features like performance tuning, multiprotocol BGP, MPLS VPN, and multicast BGP In-depth coverage of advanced BGP topics to help design a complex BGP routing architecture Practical design tips that have been proven in the field Extensive configuration examples and case studies BGP Design and Implementation focuses on real-world problems and provides not only design solutions, but also the background on why

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they are appropriate and a practical overview of how they apply into a top-down design. The BGP protocol is being used in both service provider and enterprise networks. The design goals of these two groups are different, leading to different architectures being used in each environment. The title breaks out the separate goals, and resulting solutions for each group to assist the reader in further understanding different solution strategies. This book starts by identifying key features and functionality in BGP. It then delves into the topics of performance tuning, routing policy development, and architectural

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scalability. It progresses by examining the challenges for both the service provider and enterprise customers, and provides practical guidelines and a design framework for each. BGP Design and Implementation finishes up by closely looking at the more recent extensions to BGP through Multi-Protocol BGP for MPLS-VPN, IP Multicast, IPv6, and CLNS. Each chapter is generally organized into the following sections: Introduction, Design and Implementation Guidelines, Case Studies, and Summary.

Passive and Active Measurement
Techniques and Technologies

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Chinese Annals in the Western Observatory

Antibody-Drug Conjugates

Day of Empire

Moon in a Dewdrop

Algebraic Statistics for Computational

Biology

Chinese Capitalism in a Global Era examines the dynamic ways in which millions of ethnic Chinese in East and Southeast Asian economies organize their economic activities. It analyses how Chinese capitalism has changed under conditions of contemporary globalization and anticipates what the future holds for it. The book

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challenges the conventional notion of Chinese capitalism as 'crony capitalism', based around kinship networks and untouched by globalization.

This book uses two international frameworks—the Millennium Development Goals and the Hyogo Framework for Action, a program focused on disaster risk management—to study the key trends in the region in terms of disaster incidence, sources of vulnerability and social and economic challenges. As both frameworks draw to a close, international debate is taking

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place during the period 2012–2015 on their current progress. This book seeks to help readers understand the process better. The chapters are written by eight independent internationally based authors. Collectively, they have extensive regional experience in the areas of disaster risk management and climate change as well as working in academia, research, consultancy, the UN and international agencies, government and the NGO sector. The analysis presented benefits from their varied backgrounds in medicine, architecture,

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economics, engineering, planning, social studies, development studies and political science. Throughout the book, relevant examples, drawn from the region, are included to 'earth' the project in the harsh realities of risk and disaster impact.

One of our most important objectives as hu have provided basic principles from scientific mans is to discover and pass on ways of living journals and books and summarized the expe with our environment. Every form of life, in riences of people actually living in earth shel cluding

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human, depends on nature's ability to ters. produce clean air, pure water and fertile soil In the growth and development of any field and to recycle wastes. It is our duty to live in a of knowledge, there comes a time when theory manner that enhances and preserves these nat requires testing, when concepts need to be re ural processes. Earth sheltering-the use of fined in the light of experience. Such is the case earth cover to moderate and improve living with earth sheltering. A good foundation of conditions in buildings-is an old but recently principles has

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been laid, mostly through the ex rediscovered technique. It holds much promise cellent efforts of such organizations as the Un for allowing us to use less energy and preserve derground Space Center of the University of more space for natural and human needs. It also Minnesota, the School of Architecture at Okla gives the individual and society alike a real way homa State University, and the many design to achieve self-reliance and independence from professionals active in earth sheltering. These limited sources of fossil fuels.

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"This book discusses non-distributed operating systems that benefit researchers, academicians, and practitioners"--Provided by publisher.

Principles and Techniques for Data Scientists

Knowledge Translation in Health Care

Trends in Information Technology,

Communications Engineering, and Management

Next-Generation Internet

BGP Design and Implementation

Broadband Communications, Networks and

Systems

Second Suns

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An examination of the role of sound in twentieth-century arts. This interdisciplinary history and theory of sound in the arts reads the twentieth century by listening to it—to the emphatic and exceptional sounds of modernism and those on the cusp of postmodernism, recorded sound, noise, silence, the fluid sounds of immersion and dripping, and the meat voices of viruses, screams, and bestial cries. Focusing on Europe in the first half of the century and the United States in the postwar years, Douglas Kahn

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explores aural activities in literature, music, visual arts, theater, and film. Placing aurality at the center of the history of the arts, he revisits key artistic questions, listening to the sounds that drown out the politics and poetics that generated them. Artists discussed include Antonin Artaud, George Brecht, William Burroughs, John Cage, Sergei Eisenstein, Fluxus, Allan Kaprow, Michael McClure, Yoko Ono, Jackson Pollock, Luigi Russolo, and Dziga Vertov. The field of health psychology has grown

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dramatically in the last decade, with exciting new developments in the study of how psychological and psychosocial processes contribute to risk for and disease sequelae for a variety of medical problems. In addition, the quality and effectiveness of many of our treatments, and health promotion and disease prevention efforts, have been significantly enhanced by the contributions of health psychologists (Taylor, 1995). Unfortunately, however, much of the theozizing in health

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psychology and the empirical research that derives from it continue to reflect the mainstream bias of psychology and medicine, both of which have a primary focus on white, heterosexual, middle-class American men. This bias pervades our thinking despite the demographic heterogeneity of American society (U. S. Bureau of the Census, 1992) and the substantial body of epidemiologic evidence that indicates significant group differences in health status, burden of morbidity and mortality, life expectancy,

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quality of life, and the risk and protective factors that contribute to these differences in health outcomes (National Center for Health Statistics, 1994; Myers, Kagawa-Singer, Kumanyika, Lex, & M- kides, 1995). There is also substantial evidence that many of the health promotion and disease prevention efforts that have proven effective with more affluent, educated whites, on whom they were developed, may not yield comparable results when used with populations that differ by ethnicity,

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social class, gender, or sexual orientation (Cochran & Mays, 1991; Castro, Coe, Gutierrez, & Saenz, this volume; Chesney & Nealey, this volume).

Feature engineering is a crucial step in the machine-learning pipeline, yet this topic is rarely examined on its own. With this practical book, you'll learn techniques for extracting and transforming features—the numeric representations of raw data—into formats for machine-learning models. Each chapter guides you through a single data problem, such as how to

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represent text or image data. Together, these examples illustrate the main principles of feature engineering. Rather than simply teach these principles, authors Alice Zheng and Amanda Casari focus on practical application with exercises throughout the book. The closing chapter brings everything together by tackling a real-world, structured dataset with several feature-engineering techniques. Python packages including numpy, Pandas, Scikit-learn, and Matplotlib are used in code examples.

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You'll examine: Feature engineering for numeric data: filtering, binning, scaling, log transforms, and power transforms
Natural text techniques: bag-of-words, n-grams, and phrase detection
Frequency-based filtering and feature scaling for eliminating uninformative features
Encoding techniques of categorical variables, including feature hashing and bin-counting
Model-based feature engineering with principal component analysis
The concept of model stacking, using k-means as a featurization technique

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Image feature extraction with manual and deep-learning techniques

This book provides a richly documented account of the historical, cultural, philosophical and practical dimensions of feng shui. It argues that where feng shui is entrenched educational systems have a responsibility to examine its claims, and that this examination provides opportunities for students to better learn about the key features of the nature of science, the demarcation of science and non-science, the characteristics of

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pseudoscience, and the engagement of science with culture and worldviews. The arguments presented for feng shui being a pseudoscience can be marshalled when considering a whole range of comparable beliefs and the educational benefit of their appraisal. Feng shui is a deeply-entrenched, three-millennia-old system of Asian beliefs and practices about nature, architecture, health, and divination that has garnered a growing presence outside of Asia. It is part of a comprehensive and ancient worldview built around belief in

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chi (qi) the putative universal energy or life-force that animates all existence, the cosmos, the solar system, the earth, and human bodies. Harmonious living requires building in accord with local chi streams; good health requires replenishment and manipulation of internal chi flow; and a beneficent afterlife is enhanced when buried in conformity with chi directions. Traditional Chinese Medicine is based on the proper manipulation of internal chi by acupuncture, tai-chi and qigong exercise,

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and herbal dietary supplements. Matthews has produced another tour de force that will repay close study by students, scientists, and all those concerned to understand science, culture, and the science/culture nexus. Harvey Siegel, Philosophy, University of Miami, USA With great erudition and even greater fluidity of style, Matthews introduces us to this now-world-wide belief system. Michael Ruse, Philosophy, Florida State University, USA The book is one of the best research works published on Feng

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a comprehensive survey of theories, research, and methods associated with teaching composition successfully at the middle, secondary, and college levels. Research and theory are examined with the aim of informing teaching. Practicing and prospective writing teachers need the information and strategies this text provides to be effective and well prepared for the many challenges they will face in the classroom. Features

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all times. The emphasis is on networking, systems and standards rather than detailed physical implementation. Addressed are many technical obstacles, such as, connectivity, levels of service, performance, and reliability and fairness. The authors also describe the existing enabling off-the-shelf technologies and its underlying infrastructure known as pervasive networking (PervNet). PervNet ties different sets of smart nodes together enabling them to communicate with each other to provide pervasive computing services to users. Throughout the book, important issues related

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to scalability, transparency, security, energy management, QoS provisioning, fault tolerance, and disconnected operations are discussed. This work provides a research and development perspective to the field of PervNet and will serve as an essential reference for network designers, operators and developers.

Since the beginning of the twentieth century, hundreds of thousands of documents of all sorts have been unearthed in China, opening whole new fields of study and transforming our modern understanding of ancient China. While these discoveries have necessarily

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taken place in China, Western scholars have also contributed to the study of these documents throughout this entire period. This book provides a comprehensive survey of the contributions of these Western scholars to the field of Chinese paleography, and especially to study of oracle-bone inscriptions, bronze and stone inscriptions, and manuscripts written on bamboo and silk. Each of these topics is provided with a comprehensive narrative history of studies by Western scholars, as well as an exhaustive bibliography and biographies of important scholars in the field. It is also supplied

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with a list of Chinese translations of these studies, as well as a complete index of authors and their works. Whether the reader is interested in the history of ancient China, ancient Chinese paleographic documents, or just in the history of the study of China as it has developed in the West, this book provides one of the most complete accounts available to date.

Breast cancer remains the most common invasive cancer among women. The primary patients of breast cancer are adult women who are approaching or have reached menopause; 90 percent of new cases in U.S. women in 2009

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were diagnosed at age 45 or older. Growing knowledge of the complexity of breast cancer stimulated a transition in breast cancer research toward elucidating how external factors may influence the etiology of breast cancer. *Breast Cancer and the Environment* reviews the current evidence on a selection of environmental risk factors for breast cancer, considers gene-environment interactions in breast cancer, and explores evidence-based actions that might reduce the risk of breast cancer. The book also recommends further integrative research into the elements of the biology of breast

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development and carcinogenesis, including the influence of exposure to a variety of environmental factors during potential windows of susceptibility during the full life course, potential interventions to reduce risk, and better tools for assessing the carcinogenicity of environmental factors. For a limited set of risk factors, evidence suggests that action can be taken in ways that may reduce risk for breast cancer for many women: avoiding unnecessary medical radiation throughout life, avoiding the use of some forms of postmenopausal hormone therapy, avoiding smoking, limiting alcohol

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consumption, increasing physical activity, and minimizing weight gain. Breast Cancer and the Environment sets a direction and a focus for future research efforts. The book will be of special interest to medical researchers, patient advocacy groups, and public health professionals.

Moving from Evidence to Practice
Enabling Technologies and Systems
Architectures and Protocols

An Outline of Western Studies of Chinese
Unearthed Documents
The United States and China in Power
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Earth Sheltered Housing
Research, Theory, and Practice