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Inquiry in Music Education Hildegard C. Froehlich 2013 "Provides an introduction to research and scholarship in music education. This textbook covers topic formulation, information literacy, reading and evaluating research studies, and planning and conducting original studies within accepted guidelines, based on research conventions in music, the other arts, education, and the humanities ... Skills in research and scholarship introduce students to the language and protocols by which to succeed in today's competitive market of grant writing, arts advocacy, and public outreach as a contributing member of the community of music educators. Following the legacy begun by Rainbow and Froehlich in Research in Music Education, published in 1987, the objectives of this book are: To expand what is meant by music education and research, To help students find their niche in those definitions, and To teach tangible skills that are useful for music educators with diverse instructional goals and career aspirations." -- Blackwells website.

Writing Research Papers James D. Lester 2014-01-26 The definitive research paper guide, Writing Research Papers combines a traditional and practical approach to the research process with the latest information on electronic research and presentation. This market-leading text provides students with step-by-step guidance through the research writing process, from selecting and narrowing a topic to formatting the finished document. Writing Research Papers backs up its instruction with the most complete array of samples of any writing guide of this nature. The text continues its extremely thorough and accurate coverage of citation styles for a wide variety of disciplines. The fourteenth edition maintains Lester's successful approach while bringing new writing and documentation updates to assist the student researcher in keeping pace with electronic sources.

Ancient Pathways, Ancestral Knowledge Nancy Turner 2014-06-01 Volume 1: The History and Practice of Indigenous Plant Knowledge Volume 2: The Place and Meaning of Plants in Indigenous Cultures and Worldviews Nancy Turner has studied Indigenous peoples' knowledge of plants and environments in northwestern North America for over forty years. In Ancient Pathways, Ancestral Knowledge, she integrates her research into a two-volume ethnobotanical tour-de-force. Drawing on information shared by Indigenous botanical experts and collaborators, the ethnographic and historical record, and from linguistics, palaeobotany, archaeology, phytogeography, and other fields, Turner weaves together a complex understanding of the traditions of use and management of plant resources in this vast region. She follows Indigenous inhabitants over time and through space, showing how they actively participated in their environments, managed and cultivated valued plant resources,

and maintained key habitats that supported their dynamic cultures for thousands of years, as well as how knowledge was passed on from generation to generation and from one community to another. To understand the values and perspectives that have guided Indigenous ethnobotanical knowledge and practices, Turner looks beyond the details of individual plant species and their uses to determine the overall patterns and processes of their development, application, and adaptation. Volume 1 presents a historical overview of ethnobotanical knowledge in the region before and after European contact. The ways in which Indigenous peoples used and interacted with plants - for nutrition, technologies, and medicine - are examined. Drawing connections between similarities across languages, Turner compares the names of over 250 plant species in more than fifty Indigenous languages and dialects to demonstrate the prominence of certain plants in various cultures and the sharing of goods and ideas between peoples. She also examines the effects that introduced species and colonialism had on the region's Indigenous peoples and their ecologies. Volume 2 provides a sweeping account of how Indigenous organizational systems developed to facilitate the harvesting, use, and cultivation of plants, to establish economic connections across linguistic and cultural borders, and to preserve and manage resources and habitats. Turner describes the worldviews and philosophies that emerged from the interactions between peoples and plants, and how these understandings are expressed through cultures' stories and narratives. Finally, she explores the ways in which botanical and ecological knowledge can be and are being maintained as living, adaptive systems that promote healthy cultures, environments, and indigenous plant populations. Ancient Pathways, Ancestral Knowledge both challenges and contributes to existing knowledge of Indigenous peoples' land stewardship while preserving information that might otherwise have been lost. Providing new and captivating insights into the anthropogenic systems of northwestern North America, it will stand as an authoritative reference work and contribute to a fuller understanding of the interactions between cultures and ecological systems.

ACCA F9 Financial Management BPP Learning Media 2017-02-17 BPP Learning Media is an ACCA Approved Content Provider. Our partnership with ACCA means that our Study Texts, Practice & Revision Kits and iPass (for CBE papers only) are subject to a thorough ACCA examining team review. Our suite of study tools will provide you with all the accurate and up-to-date material you need for exam success.

AAT Level 1 Association of Accounting Technicians 2013-08-02 BPP Learning Media delivers a range of accessible and focused study materials covering AAT's QCF standards. Our paper materials and online equivalents will help ensure you are ready for your assessments and prepared for your career in accounting.

Mastering Bookkeeping, 10th Edition Peter Marshall 2017-04-06 The book explains the principles and practice of bookkeeping sequentially, including: ·The bank reconciliation ·Writing up the petty cash book ·Extracting a trial balance ·Accruals and prepayments ·Setting up a limited company ·Accounting for VAT Plus step-by-step guides to compiling a balance sheet, depreciation, accounting for bad and doubtful debts and much more. The 10th edition also includes significant enhancements to reflect the teachings of the principle bookkeeping institutes as they endeavour to raise the professional competence of their members. For example, accounting staff are increasingly being required to extend their record keeping into management accounts areas. The new edition includes chapters on stock control and budgetary control accounting. In addition, it will include more detailed guidance on the significance and importance of ratio analysis and statements of sources and application of funds, plus the latest available IAB and ICB exam papers.

The Irish-American Experience in New Jersey and Metropolitan New York Marta Deyrup

2013-11-29 Focusing on the local New Jersey/New York Irish-American experience, this interdisciplinary book is a case study in what Irish-Americans have contributed to public and cultural life in the United States: how they have retained elements of Irish culture and invented elements of their own ethnic American culture.

Aat - Business Tax Fa2011 BPP Learning Media Ltd 2011-08-01 AAT assessments fall within the Qualifications and Credit Framework and most papers are assessed with on-demand computer based assessments. BPP Learning Media's focused study materials deliver AAT's QCF syllabus in an accessible format. Our paper materials and online equivalents will help ensure you are well prepared.

Mastering Book-Keeping Peter Marshall 2011-06-01 Double-entry accounting can be easy if it's explained well, and Mastering Book-keeping does just that. Now in its updated 8th edition, this popular book has helped thousands of people to get to grips with book-keeping. It explains the principles and practice of book-keeping sequentially, and includes: - The daybooks and ledger accounts - End of year accounting - Sole proprietorships, limited companies, partnerships and not-for-profit organisations - Using computers for accounting - Accounting for VAT - Progressing to more advanced management accounting - The implications of the Data Protection Act 1998 on book-keepers Plus step-by-step guides to compiling a balance sheet, depreciation, accounting for bad and doubtful debts, and much more. Everything is made clear with easy-to-follow explanations. Typical transactions are illustrated throughout to make the information even easier to understand. This book is suitable for those preparing for the examinations of ICB, AAT, IAB, OCR, AQA and all other courses in book-keeping and accounts.

Peace in the Ancient World Kurt A. Raaflaub 2016-03-16 Peace in the Ancient World: Concepts and Theories conducts a comparative investigation of why certain ancient societies produced explicit concepts and theories of peace and others did not. Explores the idea that concepts of peace in antiquity occurred only in periods that experienced exceptional rates of warfare Utilizes case studies of civilizations in China, India, Egypt, and Greece Complements the 2007 volume War and Peace in the Ancient World, drawing on ideas from that work and providing a more comprehensive examination

Philosophies of Polar Law Dawid Bunikowski 2020-06-08 Analysing the most important concepts and problems of the philosophy of polar law, this book focuses on the legal regimes relating to both the Arctic and Antarctic. The book addresses the most fundamental concepts and problems of polar law, looking beyond the apparent biophysical similarities and differences of the two polar regions, to tackle the distinctive legal problems relating to each polar region. It examines key legal–philosophical areas of the philosophy of law around legal interpretation; the role of nation states, reflected in concepts of territorial sovereignty – whether recognised or merely asserted, the exercise of jurisdiction, and the philosophical justifications for such claims; as well as indigenous rights, land rights, civil commons and issues of justice. The book will be of interest to students and scholars of polar law, land law, heritage law, international relations in the polar regions and the wider polar social sciences and humanities.

The College Panda's SAT Math Nielson Phu 2020-01-18 A second edition fully updated for the current SAT (2020 and beyond) This book brings together everything you need to know for the SAT math section. Unlike most other test prep books, this one is truly geared towards the student aiming for the perfect score. It leaves no stones unturned. Inside, You'll Find: Clear explanations of the tested math concepts, from the simplest to the most obscure Hundreds of examples to illustrate all the question types and the different ways they can show up Over 500 practice questions and explanations to help you master each topic The

most common mistakes students make (so you don't) This is the most thorough SAT prep out there. For more sample chapters and information, check out <http://thecollegepanda.com/books> Changes from the 1st edition include: Additional chapter on minimum and maximum word problems Ratio questions Function transformations Boxplots Many additional practice questions spread throughout Many revisions to fine-tune the review material to the current SAT Many formatting and typo fixes

Library and Information Science Research in Asia-Oceania: Theory and Practice Du, Jia Tina 2014-02-28 Historically, the major Library and Information Science (LIS) research-producing centers of the world have largely been the universities and information institutions of North America, the United Kingdom, and Europe. This is changing with the growth of Asian economies, universities, and information industries. Library and Information Science Research in Asia-Oceania: Theory and Practice presents evolving and emerging research and development in the field of library and information science (LIS) in diverse countries in Asia-Oceania as the region continues to develop. This book is intended as a useful resource for LIS researchers, scholars, students, professionals, and practitioners, and is an appropriate text for courses in LIS. In addition, anyone interested in understanding the LIS field in the region will find this book a fascinating and enlightening read.

High-Dimensional Probability Roman Vershynin 2018-09-27 An integrated package of powerful probabilistic tools and key applications in modern mathematical data science.

The Vulnerability of Integrity in Early Confucian Thought Michael Ing 2017-07-06 The Vulnerability of Integrity in Early Confucian Thought is about the necessity and value of vulnerability in human experience. In this book, Michael Ing brings early Chinese texts into dialogue with questions about the ways in which meaningful things are vulnerable to powers beyond our control, and more specifically how relationships with meaningful others might compel tragic actions. Vulnerability is often understood as an undesirable state; invulnerability is usually preferred. While recognizing the need to reduce vulnerability in some situations, The Vulnerability of Integrity demonstrates that vulnerability is pervasive in human experience, and enables values such as morality, trust, and maturity. Vulnerability is also the source of the need for care for oneself and for others. The possibility of tragic loss fosters compassion for others as we strive to care for each other. This book demonstrates the plurality of Confucian thought on this topic. The first two chapters describe traditional and contemporary arguments for the invulnerability of integrity in early Confucian thought. The remainder of the book focuses on neglected voices in the tradition, which argue that our concern for others can and should lead to us compromise our own integrity. In such cases, we are compelled to do something transgressive for the sake of others, and our integrity is jeopardized in the transgressive act.

Cutting-edge Therapies for Autism, 2010-2011 Ken Siri 2010 Collects the latest information on autism research, therapies, evaluations, and treatment centers.

Arlen Specter Evan Laine 2021-04-20 From his early work as a lawyer on the Warren Commission investigating the assassination of President John F. Kennedy to his days as Philadelphia's district attorney to his thirty-year career as a United States Senator from Pennsylvania, Arlen Specter found himself consistently in the middle of major historical events. During his five terms as senator, Specter met with the likes of Palestine Liberation Organization leader Yasser Arafat and Cuban Prime Minister Fidel Castro and made significant contributions during the fallout of both the Iran-Contra scandal and the Clinton impeachment. His work had a profound influence on the configuration of the United States Supreme Court, the criminal justice system, LGBTQ rights, and stem cell research.

Photographs from Specter's personal collection highlight many of these key moments,

revealing the rich narrative not only of one man's political career, but how it helped shape a nation. While it will probably be long debated whether Specter's complex and controversial political legacy merits mainly praise or criticism, Arlen Specter sheds new light on the life of a man who fought to make a difference.

At the Mountains of Madness H. P. Lovecraft 2018-06-07 'To that flash of semi-vision can be traced a full half of the horror which has ever since haunted us' An expedition to Antarctica goes horribly wrong as a group of explorers stumbles upon some mysterious ancient ruins, with devastating consequences. At the Mountains of Madness ranks among Lovecraft's most terrifying novellas, and is a firm favourite among fans of classic horror. The Penguin English Library - collectable general readers' editions of the best fiction in English, from the eighteenth century to the end of the Second World War.

The Academy 1891

How Tobacco Smoke Causes Disease 2010 This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

Independent Component Analysis Aapo Hyvärinen 2004-04-05 A comprehensive introduction to ICA for students and practitioners Independent Component Analysis (ICA) is one of the most exciting new topics in fields such as neural networks, advanced statistics, and signal processing. This is the first book to provide a comprehensive introduction to this new technique complete with the fundamental mathematical background needed to understand and utilize it. It offers a general overview of the basics of ICA, important solutions and algorithms, and in-depth coverage of new applications in image processing, telecommunications, audio signal processing, and more. Independent Component Analysis is divided into four sections that cover: * General mathematical concepts utilized in the book * The basic ICA model and its solution * Various extensions of the basic ICA model * Real-world applications for ICA models Authors Hyvärinen, Karhunen, and Oja are well known for their contributions to the development of ICA and here cover all the relevant theory, new algorithms, and applications in various fields. Researchers, students, and practitioners from a variety of disciplines will find this accessible volume both helpful and informative.

Emerging Technologies for STEAM Education Xun Ge 2015-09-09 This theory-to-practice guide offers leading-edge ideas for wide-scale curriculum reform in sciences, technology, engineering, the arts, and mathematics--the STEAM subjects. Chapters emphasize the critical importance of current and emerging digital technologies in bringing STEM education up to speed and implementing changes to curricula at the classroom level. Of particular interest are the diverse ways of integrating the liberal arts into STEM course content in mutually reshaping humanities education and scientific education. This framework and its many instructive examples are geared to ensure that both educators and students can become innovative thinkers and effective problem-solvers in a knowledge-based society. Included in the coverage: Reconceptualizing a college science learning experience in the new digital era. Using mobile devices to support formal, informal, and semi-formal learning. Change of attitudes, self-concept, and team dynamics in engineering education. The

language arts as foundational for science, technology, engineering, art, and mathematics. Can K-12 math teachers train students to make valid logical reasoning? Moving forward with STEAM education research. Emerging Technologies for STEAM Education equips educators, education researchers, administrators, and education policymakers with curricular and pedagogical strategies for making STEAM education the bedrock of accessible, relevant learning in keeping with today's digital advances.

Complementary & Alternative Therapies in Nursing Ruth Lindquist 2013-11-05
Print+CourseSmart

Time-Dependent Density-Functional Theory Carsten Ullrich 2012 Time-dependent density-functional theory (TDDFT) is a quantum mechanical approach for the dynamical properties of electrons in matter. It's widely used in (bio)chemistry and physics to calculate molecular excitation energies and optical properties of materials. This is the first graduate-level text on the formal framework and applications of TDDFT.

Intermolecular and Surface Forces Jacob N. Israelachvili 2015-05-29 This reference describes the role of various intermolecular and interparticle forces in determining the properties of simple systems such as gases, liquids and solids, with a special focus on more complex colloidal, polymeric and biological systems. The book provides a thorough foundation in theories and concepts of intermolecular forces, allowing researchers and students to recognize which forces are important in any particular system, as well as how to control these forces. This third edition is expanded into three sections and contains five new chapters over the previous edition. · starts from the basics and builds up to more complex systems · covers all aspects of intermolecular and interparticle forces both at the fundamental and applied levels · multidisciplinary approach: bringing together and unifying phenomena from different fields · This new edition has an expanded Part III and new chapters on non-equilibrium (dynamic) interactions, and tribology (friction forces)

Was Man More Aquatic in the Past? Fifty Years After Alister Hardy - Waterside Hypotheses of Human Evolution Mario Vaneechoutte 2011 The book starts from the observation that humans are very different from the other primates. Why are we naked? Why do we speak? Why do we walk upright? Fifty years ago, in 1960, marine biologist Sir Alister Hardy tried to answer this when he announced his so-called aquatic hypothesis: human ancestors did not live in dry savannahs as traditional anthropology assumes, but have adapted to live at the edge between land and water, gathering both terrestrial and aquatic foods. This eBook is an up-to-date collection of the views of the most important protagonists of this long-neglected theory of huma.

Intra-Africa Student Mobility in Higher Education Chika Trevor Sehoole

Student Services John H. Schuh 2010-10-19 Now in its fifth edition, Student Services: A Handbook for the Profession has been hailed as a classic reference in the field. In this important resource, a new cast of student affairs scholars and practitioners examine the changing context of the student experience in higher education, the evolution of the role of student affairs professionals, and the philosophies, ethics, and theories that guide the practice of student affairs work. The fifth edition covers a broad range of relevant topics including historical roots and development of the profession, philosophies and ethical standards, legal issues, theoretical bases of the profession, organizing and managing student affairs programs, and essential competencies: leadership, multiculturalism, supervision, teaching, counseling and helping skills, advising and consultation, conflict resolution, community development, professionalism, and developing institutional partnerships. It also addresses the future of student affairs practice and how it is informed by student learning outcomes and technology. "The painstakingly thorough coverage of topics

important to the profession of student affairs makes this handbook a valuable resource to the scholarly and practice communities of the profession." —John M. Braxton, professor, Higher Education Leadership and Policy Program, Peabody College, Vanderbilt University; editor, *Journal of College Student Development* "Continues three decades of excellence in providing a comprehensive set of resources that provides firm grounding for the higher education student affairs community in all aspects of our profession." —Michael J. Cuyjet, professor, Department of Educational and Counseling Psychology, University of Louisville "Casts an impressively wide net, thoroughly capturing critical topics and offering a deeply nuanced and technical, yet readily accessible narrative trajectory and study of student affairs in higher education." —Theresa A. Powell, vice president for student affairs, Temple University

Experimental and Quasi-Experimental Designs for Research Donald T. Campbell 2015-09-03 We shall examine the validity of 16 experimental designs against 12 common threats to valid inference. By experiment we refer to that portion of research in which variables are manipulated and their effects upon other variables observed. It is well to distinguish the particular role of this chapter. It is not a chapter on experimental design in the Fisher (1925, 1935) tradition, in which an experimenter having complete mastery can schedule treatments and measurements for optimal statistical efficiency, with complexity of design emerging only from that goal of efficiency. Insofar as the designs discussed in the present chapter become complex, it is because of the intransigency of the environment: because, that is, of the experimenter's lack of complete control.

Heritage Speakers of Spanish and Study Abroad Rebecca Pozzi 2021-04-20 *Heritage Speakers of Spanish and Study Abroad* is an edited volume that provides emerging research on heritage speakers of Spanish in immersion contexts in theoretical, empirical, and programmatic terms. This edited collection seeks to expand our understanding of heritage speakers of Spanish by incorporating research on their linguistic, sociolinguistic, and pragmatic development during and after a sojourn abroad, by discussing the complexities of their identity formation and negotiation during immersive stays, and by highlighting programmatic innovations that could be leveraged to better serve diverse learners in study abroad contexts. This volume advances the fields of both heritage language education and research on immersion study in a variety of ways, and will be of interest to scholars of applied linguistics, sociolinguistics, second language acquisition, and educational linguistics, especially those interested in study abroad programming and Spanish for heritage speakers.

Official SAT Study Guide 2020 Edition The College Board 2019-05-07 Review every skill and question type needed for SAT success - with eight total practice tests. The Official SAT Study Guide includes eight official SAT(R) practice tests - all of them created by the test maker. As part of the College Board's commitment to transparency, all practice tests are available on the College Board's website, but The Official SAT Study Guide is the only place to find them in print along with over 250 pages of additional instruction, guidance, and test information. With guidance and practice problems that reflect the most recent information, this edition takes the best-selling SAT guide and makes it even more relevant and useful. Be ready for the SAT with strategies and up-to-date information straight from the exam writers. The Official SAT Study Guide will help students get ready for the SAT with: - 8 official SAT practice tests, written in the exact same process and by the same team of authors as the actual exam - detailed descriptions of the math and evidenced based reading and writing sections - targeted practice questions for each SAT question type - seamless integration with Official SAT Practice on Khan Academy. Note: The optional SAT Essay is discontinued for

weekend SAT.

Frank Wood's Business Accounting Volume 1 Alan Sangster 2013-02-06 The world's best-selling textbook on book-keeping and accounting, *Business Accounting Volume 1* continues to provide an indispensable introduction for students and professionals across the globe. It is renowned for clarity, with easy-to-understand language and a plethora of examples to aid your understanding. The 12th edition is updated to be fully compliant with International Financial Reporting Standards (IFRS). Other updates include new coverage of professional ethics, disaster recovery, and over 70 new examples to test your understanding. 'A benchmark for all accounting books.' Sarah Knight, former Finance Courses Coordinator, Huntingdonshire Regional College 'The writing style of the book is "spot-on" and just the right tone – well done! I consider all chapters to be at the appropriate level, very practical and structured in manageable "bite-sized" chunks.' Alison Fox, Lecturer, University of Dundee This title can be supported by MyAccountingLab, an online homework and tutorial system designed to test and build your students understanding. MyAccountingLab provides a personalised approach, with instant feedback and numerous additional resources to support their learning. For students · A personalised study plan · Worked solutions showing them how to solve difficult problems · An eText for quick reference · Case studies to help them apply what they've learned · Audio animations and videos Use the power of MyAccountingLab to accelerate your students learning.

Literary Remains Eileen J. Cheng 2013-04-30 Lu Xun (1881–1936), arguably twentieth-century China's greatest writer, is commonly cast in the mold of a radical iconoclast who vehemently rejected traditional culture. The contradictions and ambivalence so central to his writings, however, are often overlooked. Challenging conventional depictions, Eileen J. Cheng's innovative readings capture Lu Xun's disenchantment with modernity and his transformative engagements with traditional literary conventions in his "modern" experimental works. Lurking behind the ambiguity at the heart of his writings are larger questions on the effects of cultural exchange, accommodation, and transformation that Lu Xun grappled with as a writer: How can a culture estranged from its vanishing traditions come to terms with its past? How can a culture, severed from its roots and alienated from the foreign conventions it appropriates, conceptualize its own present and future? *Literary Remains* shows how Lu Xun's own literary encounter with the modern involved a sustained engagement with the past. His creative writings—which imitate, adapt, and parody traditional literary conventions—represent and mirror the trauma of cultural disintegration, in content and in form. His contradictory, uncertain, and at times bizarrely incoherent narratives refuse to conform to conventional modes of meaning making or teleological notions of history, opening up imaginative possibilities for comprehending the past and present without necessarily reifying them. Behind Lu Xun's "refusal to mourn," that is, his insistence on keeping the past and the dead alive in writing, lies an ethical claim: to recover the redemptive meaning of loss. Like a solitary wanderer keeping vigil at the site of destruction, he sifts through the debris, composing epitaphs to mark both the presence and absence of that which has gone before and will soon come to pass. For in the rubble of what remains, he recovered precious gems of illumination through which to assess, critique, and transform the moment of the present. *Literary Remains* shows how Lu Xun's literary enterprise is driven by a "radical hope"—that, in spite of the destruction he witnessed and the limits of representation, his writings, like the texts that inspired his own, might somehow capture glimmers of the past and the present, and illuminate a future yet to unfold. *Literary Remains* will appeal to a wide audience of students and scholars interested in Lu Xun, modern China,

cultural studies, and world literature.

Web Squared: Web 2.0 Five Years On Tim O'Reilly 2009-09-23 Ever since we first introduced the term Web 2.0, people have been asking, What TMs next? Assuming that Web 2.0 was meant to be a kind of software version number (rather than a statement about the second coming of the Web after the dotcom bust), we TMre constantly asked about Web 3.0. Is it the semantic web? The sentient web? Is it the social web? The mobile web? Is it some form of virtual reality? It is all of those, and more. The Web is no longer a collection of static pages of HTML that describe something in the world. Increasingly, the Web is the world "everything and everyone in the world casts an information shadow, an aura of data which, when captured and processed intelligently, offers extraordinary opportunity and mindbending implications. Web Squared is our way of exploring this phenomenon and giving it a name.

Extracellular Matrix Degradation William C. Parks 2011-04-07 Regulated turnover of extracellular matrix (ECM) is an important component of tissue homeostasis. In recent years, the enzymes that participate in, and control ECM turnover have been the focus of research that touches on development, tissue remodeling, inflammation and disease. This volume in the Biology of Extracellular Matrix series provides a review of the known classes of proteases that degrade ECM both outside and inside the cell. The specific EMC proteases that are discussed include cathepsins, bacterial collagenases, matrix metalloproteinases, meprins, serine proteases, and elastases. The volume also discusses the domains responsible for specific biochemical characteristics of the proteases and the physical interactions that occur when the protease interacts with substrate. The topics covered in this volume provide an important context for understanding the role that matrix-degrading proteases play in normal tissue remodeling and in diseases such as cancer and lung disease.

Statistical Pattern Recognition Andrew R. Webb 2003-07-25 Statistical pattern recognition is a very active area of study and research, which has seen many advances in recent years. New and emerging applications - such as data mining, web searching, multimedia data retrieval, face recognition, and cursive handwriting recognition - require robust and efficient pattern recognition techniques. Statistical decision making and estimation are regarded as fundamental to the study of pattern recognition. Statistical Pattern Recognition, Second Edition has been fully updated with new methods, applications and references. It provides a comprehensive introduction to this vibrant area - with material drawn from engineering, statistics, computer science and the social sciences - and covers many application areas, such as database design, artificial neural networks, and decision support systems. * Provides a self-contained introduction to statistical pattern recognition. * Each technique described is illustrated by real examples. * Covers Bayesian methods, neural networks, support vector machines, and unsupervised classification. * Each section concludes with a description of the applications that have been addressed and with further developments of the theory. * Includes background material on dissimilarity, parameter estimation, data, linear algebra and probability. * Features a variety of exercises, from 'open-book' questions to more lengthy projects. The book is aimed primarily at senior undergraduate and graduate students studying statistical pattern recognition, pattern processing, neural networks, and data mining, in both statistics and engineering departments. It is also an excellent source of reference for technical professionals working in advanced information development environments.

New England Journal of Education 1912

Kinship Novels of Early Modern Korea Ksenia Chizhova 2021-01-12 The lineage novel flourished in Korea from the late seventeenth to the early twentieth century. These vast works unfold genealogically, tracing the lives of several generations. New storylines, often

written by different authors, follow the lives of the descendants of the original protagonists, offering encyclopedic accounts of domestic life cycles and relationships. Elite women transcribed these texts—which span tens and even hundreds of volumes—in exquisite vernacular calligraphy and transmitted them through generations in their families. In *Kinship Novels of Early Modern Korea*, Ksenia Chizhova foregrounds lineage novels and the domestic world in which they were read to recast the social transformations of Chosŏn Korea and the development of early modern Korean literature. She demonstrates women's centrality to the creation of elite vernacular Korean practices and argues that domestic-focused genres such as lineage novels, commemorative texts, and family tales shed light on the emergence and perpetuation of patrilineal kinship structures. The proliferation of kinship narratives in the Chosŏn period illuminates the changing affective contours of familial bonds and how the domestic space functioned as a site of their everyday experience. Drawing on an archive of women-centered elite vernacular texts, Chizhova uncovers the structures of feelings and conceptions of selfhood beneath official genealogies and legal statutes, revealing that kinship is as much a textual as a social practice. Shedding new light on Korean literary history and questions of Korea's modernity, this book also offers a broader lens on the global rise of the novel.

Recommender Systems Handbook Francesco Ricci 2015-11-17 This second edition of a well-received text, with 20 new chapters, presents a coherent and unified repository of recommender systems' major concepts, theories, methodologies, trends, and challenges. A variety of real-world applications and detailed case studies are included. In addition to wholesale revision of the existing chapters, this edition includes new topics including: decision making and recommender systems, reciprocal recommender systems, recommender systems in social networks, mobile recommender systems, explanations for recommender systems, music recommender systems, cross-domain recommendations, privacy in recommender systems, and semantic-based recommender systems. This multi-disciplinary handbook involves world-wide experts from diverse fields such as artificial intelligence, human-computer interaction, information retrieval, data mining, mathematics, statistics, adaptive user interfaces, decision support systems, psychology, marketing, and consumer behavior. Theoreticians and practitioners from these fields will find this reference to be an invaluable source of ideas, methods and techniques for developing more efficient, cost-effective and accurate recommender systems.

Pocket Style Manual Diana Hacker 2007-07-01