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A single dramatic software failure can cost a company millions of dollars - but can be avoided with simple changes to design and architecture. This new edition of the best-selling industry standard shows you how to create systems that run longer, with fewer failures, and recover better when bad things happen. New coverage includes DevOps, microservices, and cloud-native architecture. Stability antipatterns have grown to include systemic problems in large-scale systems. This is a must-have pragmatic guide to engineering for production systems. If you're a software developer, and you don't want to get alerts every night for the rest of your life, help is here. With a combination of case studies about huge losses - lost revenue, lost reputation, lost time, lost opportunity - and practical, down-to-earth advice that was all gained through painful experience, this book helps you avoid the pitfalls that cost companies millions of dollars in downtime and reputation. Eighty percent of project life-cycle cost is in production, yet few books address this topic. This updated edition deals with the production of today's systems - larger, more complex, and heavily virtualized - and includes information on chaos engineering, the discipline of applying randomness and deliberate stress to reveal systematic problems. Build systems that survive the real world, avoid downtime, implement zero-downtime upgrades and continuous delivery, and make cloud-native applications resilient. Examine ways to architect, design, and build software - particularly distributed systems - that stands up to the typhoon winds of a flash mob, a Slashdotting, or a link on Reddit. Take a hard look at software that failed the test and find ways to make sure your software survives. To skip the pain and get the experience, get this book.

This open access book provides an overview of the recent advances in representation learning theory, algorithms and applications for natural language processing (NLP). It is divided into three parts. Part I presents the representation learning techniques for multiple language entries, including words, phrases, sentences and documents. Part II then introduces the representation techniques for those objects that are closely related to NLP, including entity-based world knowledge, sememe-based linguistic knowledge, networks, and cross-modal entities. Lastly, Part III provides open resource tools for representation learning techniques, and discusses the remaining challenges and future research directions. The theories and algorithms of representation learning presented can also benefit other related domains such as machine learning, social network analysis, semantic Web, information retrieval, data mining and computational biology. This book is intended for advanced undergraduate and graduate students, post-doctoral fellows, researchers, lecturers, and industrial engineers, as well as anyone interested in representation learning and natural language processing.

Touch may well be one of the least understood or talked about subjects in the helping professions. A discussion on the importance and ethics of positive, caring, and appropriate touch in professions such as teaching, nursing and counselling is long overdue. Touch in the Helping Professions delivers just that, weaving together scholarly evidence, research and clinical practice from a wide range of perspectives encompassing philosophy, theology, psychology, and anthropology to challenge assumptions about the role of touch in the helping professions. The contributors to the volume focus not only on the overarching roles of gender, age, culture and life experience, but go beyond to encompass canine-assisted therapy, touch deprivation, sacred objects, as well as key ethical considerations. The prevailing lack of dialogue, due to fear of contravening ethical boundaries, has stood in the way of an open and responsible discussion on the use of touch in therapy. Touch in the Helping Professions is a welcome and much needed contribution to the field—a window onto a fundamental need. This book is published in English . Cet ouvrage offre un ensemble de données probantes et de résultats cliniques à l'appui du toucher dans le développement physique et émotionnel. Il est structuré selon trois axes : la théorie sur le toucher; la pratique du toucher dans un contexte de thérapie, et les questions éthiques. Il aborde la question du rôle du genre, de l'âge, de la culture et de l'expérience de vie, des sujets comme la zoothérapie, la privation sensorielle, des objets sacrés, et des considérations d'ordre éthique. Les approches variées – philosophie,

théologie, psychologie, anthropologie – remettent en question les présuppositions, offrent un contexte historico-culturel professionnel, et font appel à des données primaires. Les collaborateurs soutiennent que le toucher sain et non sexuel n'est pas suffisamment enseigné dans le cadre de la formation professionnelle. Cette absence de dialogue – engendrée par la crainte de dépasser des bornes éthiques, fait en sorte qu'une discussion ouverte et responsable sur l'utilisation du toucher dans un cadre thérapeutique ne peut avoir lieu, alors même qu'elle contribuerait aux balises théoriques de notre compréhension de cet enjeu fondamental. Ce livre est publié en anglais.

A technical and economic review of emerging waste disposal technologies intended for a wide audience ranging from engineers and academics to decision-makers in both the public and private sectors. Municipal Solid Waste to Energy Conversion Processes: Economic, Technical, and Renewable Comparisons reviews the current state of the solid waste disposal industry. It details how the proven plasma gasification technology can be used to manage Municipal Solid Waste (MSW) and to generate energy and revenues for local communities in an environmentally safe manner with essentially no wastes. Beginning with an introduction to pyrolysis/gasification and combustion technologies, the book provides many case studies on various waste-to-energy (WTE) technologies and creates an economic and technical baseline from which all current and emerging WTE technologies could be compared and evaluated. Topics include: Pyrolysis/gasification technology, the most suitable and economically viable approach for the management of wastes Combustion technology Other renewable energy resources including wind and hydroelectric energy Plasma economies Cash flows as a revenue source for waste solids-to-energy management Plant operations, with an independent case study of Eco-Valley plant in Utahshani, Japan Extensive case studies of garbage to liquid fuels, wastes to electricity, and wastes to power ethanol plants illustrate how currently generated MSW and past wastes in landfills can be processed with proven plasma gasification technology to eliminate air and water pollution from landfills.

The Experience of Modernity
Pediatric Neuro-Ophthalmology
In Search of Stupidity
Sniper Training

Modest_Witness@Second_Millennium. FemaleMan_Meets_OncoMouse

Racine County in the World War

Explosive Volcanism

The current high demand for fish and increased awareness of the role of the environment in supporting human well being has led to a situation where attitudes to inland water resources are changing rapidly. Trends in resource use and environmental impact are very evident in inland waters which are particularly vulnerable as they act as collectors of all the activities occurring in their basins and rank as some of the most endangered ecosystems in the world. The principle changes influencing the evolution of the aquatic resource for fisheries are described in this book, which has been compiled for the Food and Agriculture Organization of the United Nations.

The DARPA Grand Challenge was a landmark in the field of robotics: a race by autonomous vehicles through 132 miles of rough Nevada terrain. It showcased exciting and unprecedented capabilities in robotic perception, navigation, and control. The event took place in October 2005 and drew teams of competitors from academia and industry, as well as many garage hobbyists. This book presents fifteen technical papers that describe each team's driverless vehicle, race strategy, and insights. As a whole, they present the state of the art in autonomous vehicle technology and offer a glimpse of future technology for tomorrow's driverless cars.

Through revised text, new photos, specialised illustrations, updated charts and additional information sidebars, The Ultimate Sniper once again thoroughly details the three great skill areas of sniping: marksmanship, fieldcraft and tactics.

A comprehensive presentation of the techniques and aesthetics of composition with sound particles.

Gramophone, Film, Typewriter

An Essential Guide for the Whole Branding Team

Inception, Evolution, and Hazards

Inland Fisheries

Chicago and the Great Conflagration

An Advanced Training Manual for Military and Police Snipers

Native American Social and Political Thought

This priceless historical document features firsthand accounts from top levels of leadership in the Russian revolutions of 1905 and 1917, chronicling the struggle to establish a dictatorship of the proletariat.

Is the fall in overall productivity growth in the United States and other developed countries related to the rising share of the service sectors in the economy? Since services represent well over half of the U.S. gross national product, it is also important to ask whether these sectors have had a slow rate of growth, as this would act as a major drag on the productivity growth of the overall economy and on its competitive performance. In this timely volume, leading experts from government and academia argue that faulty statistics have prevented a clear understanding of these issues.

One of the founders of the posthumanities, Donna J. Haraway is professor in the History of Consciousness program at the University of California, Santa Cruz. Author of many books and widely read essays, including the now-classic essay "The Cyborg Manifesto," she received the J.D. Bernal Prize in 2000, a lifetime achievement award from the Society for Social Studies in Science. Thyra Nicholas Goodeve is a professor of Art History at the School of Visual Arts. In the borders of the eve of World War II, American Catholic priest Joseph Patrick Hurley found himself in the midst of secret diplomatic dealings and intense debate. Hurleys deeply felt American patriotism and fixed ideas about confronting Nazism directly led to a mighty clash with Pope Pius XII. It was 1939, the earliest days of Pius's papacy, and controversy within the Vatican over policy toward Nazi Germany was already heated. This groundbreaking book is both a biography of Joseph Hurley, the first American to achieve the rank of nuncio, or Vatican ambassador, and an insiders view of the alleged silence of the pope on the Holocaust and Nazism. Drawing on Hurleys unpublished archives, the book documents critical debates in Pope Pius's Vatican, secret U.S.-Vatican dealings, the influence of Detroit's flamboyant anti-Semitic priest Charles E. Coughlin, and the controversial case of Croattias Cardinal Stepinac. The book also sheds light on the powerful connections between religion and politics in the twentieth century.

The Eradication of Invasive Species : Proceedings of the International Conference on Eradication of Island Invasives

Alternatives to Animal Use in Research, Testing, and Education

The Great Robot Race

Summary

The 7 Laws of Magical Thinking

Municipal Solid Waste to Energy Conversion Processes

On history of communication

In this witty and perceptive debut, a former editor at Psychology Today shows us how magical thinking makes life worth living. Psychologists have documented a litany of cognitive biases- misperceptions of the world-and explained their positive functions. Now, Matthew Hutson shows us that even the most hardcore skeptic indulges in magical thinking all the time-and it's crucial to our survival. Drawing on evolution, cognitive science, and neuroscience, Hutson shows us that magical thinking has been so useful to us that it's hardwired into our brains. It encourages us to think that we actually have free will. It helps make us believe that we have an underlying purpose in the world. It can even protect us from the paralyzing awareness of our own mortality. In other words, magical thinking is a completely irrational way of making our lives make rational sense. With wonderfully entertaining stories, personal reflections, and sharp observations, Hutson reveals our deepest fears and longings. He also assures us that it is no accident his surname contains so many of the same letters as this imprint.

In The Birth of Energy, Cara New Daggett traces the genealogy of contemporary notions of energy back to the nineteenth-century science of thermodynamics to challenge the underlying logic that informs today's uses of energy. These early resource-based concepts of power first emerged during the Industrial Revolution and were tightly bound to Western capitalist domination and the politics of industrialized work. As Daggett shows, thermodynamics was deployed as an imperial science to govern fossil fuel use, labor, and colonial expansion, in part through a hierarchical ordering of humans and nonhumans. By systematically excavating the historical connection between energy and work, Daggett argues that only by transforming the politics of work—most notably, the veneration of waged work—will we be able to confront the Anthropocene's energy problem. Substituting one source of energy for another will not ensure a habitable planet; rather, the concepts of energy and work themselves must be decoupled.

This is a print on demand edition of a hard to find publication. Explores whether sufficient data exists to examine the temporal and spatial relationships that existed in terrorist group planning, and if so, could patterns of preparatory conduct be identified? About one-half of the terrorists resided, planned, and prepared for terrorism relatively close to their eventual target. The terrorist groups existed for 1,205 days from the first planning meeting to the date of the actual/planned terrorist incident. The planning process for specific acts began

2-3 months prior to the terrorist incident. This study examined selected terrorist groups/incidents in the U.S. from 1980-2002. It provides for the potential to identify patterns of conduct that might lead to intervention prior to the commission of the actual terrorist incidents. Illustrations.

Handbook of Health Social Work

Social Investigations and Print Culture in Nineteenth-Century Britain and the United States

Highlights '89

The Identification of Behavioral, Geographic and Temporal Patterns of Preparatory Conduct

A History

Stat Labs

Fossil Fuels, Thermodynamics, and the Politics of Work

This open access book was prepared as a Final Publication of the COST Action IC1406 “High-Performance Modelling and Simulation for Big Data Applications (cHIPSet)” project. Long considered important pillars of the scientific method, Modelling and Simulation have evolved from traditional discrete numerical methods to complex data-intensive continuous analytical optimisations. Resolution, scale, and accuracy have become essential to predict and analyse natural and complex systems in science and engineering. When their level of abstraction raises to have a better discernment of the domain at hand, their representation gets increasingly demanding for computational and data resources. On the other hand, High Performance Computing typically entails the effective use of parallel and distributed processing units coupled with efficient storage, communication and visualisation systems to underpin complex data-intensive applications in distinct scientific and technical domains. It is then arguably required to have a seamless interaction of High Performance Computing with Modelling and Simulation in order to store, compute, analyse, and visualise large data sets in science and engineering. Funded by the European Commission, cHIPSet has provided a dynamic trans-European forum for their members and distinguished guests to openly discuss novel perspectives and topics of interests for these two communities. This cHIPSet compendium presents a set of selected case studies related to healthcare, biological data, computational advertising, multimedia, finance, bioinformatics, and telecommunications. Praise for HANDBOOK OF HEALTH SOCIAL WORK SECOND EDITION "Handbook of Health Social Work, Second Edition is a crucial addition for seasoned practitioners' libraries, as well as an essential foundation for fledgling social workers ready to enter health as a practice and research area." -From the Foreword by Suzanne Heurtin-Roberts, U.S. Department of Health and Human Services "The book's strengths include the high quality of writing and the expertise of its contributors. It covers the field of health social work in significant depth and is sure to leave readers well informed." -Mary Sormanti, PhD, MSW, Associate Professor of Professional Practice, Columbia University School of Social Work "Quite simply, this is the definitive volume for health and social work. In this second edition, Gehlert and Browne and their expert contributors have confidently managed to keep pace with current theory and empirical research across a wide range of subject matter that will be of interest to practitioners, educators, and researchers." -Michael Vaughn, PhD, Assistant Professor, School of Social Work, School of Public Health, and Department of Public Policy Studies, Saint Louis University Thoroughly revised and updated, the only comprehensive handbook of its kind covering the diverse field of health social work Now in its Second Edition, Handbook of Health Social Work provides a comprehensive and evidence-based overview of contemporary social work practice in health care. Written from a wellness perspective, the chapters cover practice and research areas ranging from chronic disorders to infectious disease, from physical to mental disorders, and all areas in between. An excellent resource preparing social workers for the present and future challenges of practice in the field of health care, the Handbook of Health Social Work, Second Edition features discussion on: New trends in social work and health care, including genetics, transdisciplinary care, as well as national and state changes in policy Health social work and children The wide array of roles performed by social workers in health-care settings Ethical issues and decision making in a variety of arenas Understanding of community factors in health social work Edited by two respected leaders in the field of health social work, this second edition includes contributions from a diverse team of notable experts, researchers, and scholars addressing multiple theoretical foundations, models, issues, and dilemmas for the social worker in health care. The resulting resource offers both a foundation for social work practice in health care and a guide for strategy, policy, and program development in proactive and actionable terms.

Anthropologist Bruce Albert captures the poetic voice of Davi Kopenawa, shaman and spokesman for the Yanomami of the Brazilian Amazon, in this unique reading experience--a coming-of-age story, historical account, and shamanic philosophy, but most of all an impassioned plea to respect native rights and preserve the Amazon rainforest.

The experience of modernization -- the dizzying social changes that swept millions of people into the capitalist world -- and modernism in art, literature and architecture are brilliantly integrated in this account.

My Life

An Attempt at an Autobiography

Images of Women

The 2005 DARPA Grand Challenge

New England Families, Genealogical and Memorial

Intelligent Computing and Innovation on Data Science

States of Inquiry

This collection of 52 papers and 21 abstracts focuses on sharing available knowledge to combat the threat of biological invasion by eradicating invasive species can yield substantial benefits for biodiversity conservation. As more eradications are attempted worldwide, it is increasingly important that lessons are learned from each and every one of these attempts, whether successful or unsuccessful. This publication is intended to share with a wider audience the insights and practical experience gained.

Francisco Goya y Lucientes (1746-1828) created magnificent paintings, tapestry designs, prints, and drawings over the course of his long and productive career. Women frequently appeared as the subjects of Goya's works, from his brilliantly painted cartoons for the Royal Tapestry Factory to his stunning portraits of some of the most powerful women in Madrid. This groundbreaking book is the first to examine the representations of women within Goya's multifaceted art, and in so doing, it sheds new light on the evolution of his artistic creativity as well as on the roles assumed by women in late eighteenth- and early nineteenth-century Spain. Many of Goya's most famous works are featured and explicated in this beautifully designed and produced book. The artist's famous tapestry cartoons are included, along with the tapestries woven after them for the royal palaces of the Prado and the Escorial. Goya's infamous Naked Maja and Clothed Maja are also highlighted, with a discussion on whether these works were painted at the same time and how they might have originally hung in relation to one another. Focus is also placed on Goya's more experimental prints and drawings, in which the artist depicted women alternatively as targets of satire, of sympathy, or of admiration. Essays by eminent authorities provide a historical and cultural context for Goya's work, including a discussion on the significance of fashion and dress during the period. The resultant volume is surely to be treasured by all who admire Goya's art and by those who are interested in women's issues of his time.

This ground-breaking text explores the intersection between dominant modes of critical educational theory and the socio-political landscape of American Indian education. Grande asserts that, with few exceptions, the matters of Indigenous people and Indian education have been either largely ignored or indiscriminately absorbed within critical theories of education. Furthermore, American Indian scholars and educators have largely resisted engagement with critical educational theory, tending to concentrate instead on the production of historical monographs, ethnographic studies, tribally-centered curricula, and site-based research. Such a focus stems from the fact that most American Indian scholars feel compelled to address the socio-economic urgencies of their own communities, against which engagement in abstract theory appears to be a luxury of the academic elite. While the author acknowledges the dire need for practical-community based research, she maintains that the global encroachment on Indigenous lands, resources, cultures and communities points to the equally urgent need to develop transcendent theories of decolonization and to build broad-based coalitions.

This book covers both basic and high-level concepts relating to the intelligent computing paradigm and data sciences in the context of distributed computing, big data, data sciences, high-performance computing and Internet of Things. It is becoming increasingly important to develop adaptive, intelligent computing-centric, energy-aware, secure and privacy-aware systems in high-performance computing and IoT applications. In this context, the book serves as a useful guide for industry practitioners, and also offers beginners a comprehensive introduction to basic and advanced areas of intelligent computing. Further, it provides a platform for researchers, engineers, academics and industrial professionals around the globe to showcase their recent research concerning recent trends. Presenting novel ideas and stimulating interesting discussions, the book appeals to researchers and practitioners working in the field of information technology and computer science.

Red Pedagogy

Research, Practice and Ethics

Goya

The National Crime Survey

The Birth of Energy

Feminism and Technoscience

Vatican Secret Diplomacy

Oz Frankel explores the nineteenth-century roots of the modern "information state," especially the roles of investigative projects and official reports in embedding the state in print culture and refashioning the politics of representation.

This manual is organized as a reference for snipers and leads the trainer through the material needed to conduct sniper training. Subjects include equipment, weapon capabilities, fundamentals of marksmanship and ballistics, field skills, mission planning, and skill sustainment.

Describes influential business philosophies and marketing ideas from the past twenty years and examines why they did not work.

Pre-Incident Indicators of Terrorist IncidentsThe Identification of Behavioral, Geographic and Temporal Patterns of Preparatory ConductDIANE Publishing

Over 20 Years of High-Tech Marketing Disasters

Microsound

Pre-Incident Indicators of Terrorist Incidents

Mathematical Statistics Through Applications

Touch in the Helping Professions

Selected Results of the COST Action IC1406 cHIPSet

Proceedings of ICTIDS 2019

Integrating the theory and practice of statistics through a series of case studies, each lab introduces a problem, provides some scientific background, suggests investigations for the data, and provides a summary of the theory used in each case. Aimed at upper-division students.

This book brings together recent research on interpersonal relationships in education from a variety of perspectives including research from Europe, North America and Australia. The work clearly demonstrates that positive teacher-student relationships can contribute to student learning in classrooms of various types. Productive learning environments are characterized by supportive and warm interactions throughout the class: teacher-student and student-student. Similarly, at the school level, teacher learning thrives when there are positive and mentoring interrelationships among professional colleagues. Work on this book began with a series of formative presentations at the second International Conference on Interpersonal Relationships in Education (ICIRIE 2012) held in Vancouver, Canada, an event that included among others, keynote addresses by David Berliner, Andrew Martin and Mieke Breckelmans. Further collaboration and peer review by the editorial team resulted in the collection of original research that this book comprises. The volume (while eclectic) demonstrates how constructive learning environment relationships can be developed and sustained in a variety of settings. Chapter contributions come from a range of fields including educational and social psychology, teacher and school effectiveness research, communication and language studies, and a variety of related fields. Together, they cover the important influence of the relationships of teachers with individual students, relationships among peers, and the relationships between teachers and their professional colleagues.

Pediatric Neuroophthalmology details the diagnostic criteria, current concepts of pathogenesis, neuroanatomical correlates, and clinical management of a large group of neuroophthalmic disorders that present in childhood. Surprisingly distinct from neuroophthalmic disorders afflicting adults, this set of diseases falls between the cracks of most ophthalmology training, and thus, warrants a practical, clinical guide for the practitioner in ophthalmology – the neuroophthalmologist, pediatric ophthalmologist, general ophthalmologist - as well as neurologists and for residents. The authors, leading pediatric ophthalmologists, have taken this difficult subject matter and developed an accessible, user-friendly manual with a detailed approach to the recognition, differential diagnosis, and management of pediatric neuroophthalmologic disorders.

A revised new edition of the bestselling toolkit for creating, building, and maintaining a strong brand From research and analysis through brand strategy, design development through application design, and identity standards through launch and governance, Designing Brand Identity, Fourth Edition offers brand managers, marketers, and designers a proven, universal five-phase process for creating and implementing effective brand identity. Enriched by new case studies showcasing successful world-class brands, this Fourth Edition brings readers up to date with a detailed look at the latest trends in branding, including social networks, mobile devices, global markets, apps, video, and virtual brands. Features more than 30 all-new case studies showing best practices and world-class Updated to include more than 35 percent new material Offers a proven, universal five-phase process and methodology for creating and implementing effective brand identity

Design and Deploy Production-Ready Software

The Ultimate Sniper

Designing Brand Identity

Apology

Joseph P. Hurley and Pope Pius XII

All that is Solid Melts Into Air

Working Papers