

Isi Impact Factor Of Journals

This book presents diverse contributions related to some of the latest advances in the field of personalization and recommender systems, as well as social media and sentiment analysis. The work comprises several articles that address different problems in these areas by means of recent techniques such as deep learning, methods to analyze the structure and the dynamics of social networks, and modern language processing approaches for sentiment analysis, among others. The proposals included in the book are representative of some highly topical research directions and cover different application domains where they have been validated. These go from the recommendation of hotels, movies, music, documents, or pharmacy cross-selling to sentiment analysis in the field of telemedicine and opinion mining on news, also including the study of social capital on social media and dynamics aspects of the Twitter social network.

Springer Handbook of Science and Technology Indicators Springer Nature

The development of robot technology to a state of perfection by future civilizations is explored in nine science fiction stories.

“Science in fiction,” “geek novels,” “lab-lit”—whatever one calls them, a new generation of science novels has opened a space in which the reading public can experience and think about the powers of science to illuminate nature as well as to generate and mitigate social change and risks. Under the Literary Microscope examines the implications of the discourse taking place in and around this creative space. Exploring works by authors as disparate as Barbara Kingsolver, Richard Powers, Ian McEwan, Ann Patchett, Margaret Atwood, and Michael Crichton, these essays address the economization of scientific institutions; ethics, risk, and gender disparity in scientific work; the reshaping of old stereotypes of scientists; science in an evolving sci-fi genre; and reader reception and potential contributions of the novels to public understandings of science. Under the Literary Microscope illuminates the new ways in which fiction has been grappling with scientific issues—from climate change and pandemics to artificial intelligence and genomics—and makes a valuable addition to both contemporary literature and science studies courses. In addition to the editors, the contributors include Anna Auguscik, Jay Clayton, Carol Colatrella, Sonja Fücker, Raymond Haynes, Luz María Hernández Nieto, Emanuel Herold, Karin Hoepker, Anton Kirchhofer, Antje Kley, Natalie Roxburgh, Uwe Schimank, Sherryl Vint, and Peter Weingart. Transcultural management ; Management styles ; Intercultural communication.

Work practices and organizational processes vary widely and evolve constantly. The technological infrastructure has to follow, allowing or even supporting these changes. Traditional approaches to software engineering reach their limits whenever the full spectrum of user requirements cannot be anticipated or the frequency of changes makes software reengineering cycles too clumsy to address all the needs of a specific field of application. Moreover, the increasing importance of ‘infrastructural’ aspects, particularly the mutual dependencies between technologies, usages, and domain competencies, calls for a differentiation of roles beyond the classical user–designer dichotomy. End user development (EUD) addresses these issues by offering lightweight, use-time support which allows users to configure, adapt, and evolve their software by themselves. EUD is understood as a set of methods, techniques, and tools that allow users of software systems who are acting as non-professional software developers to create, modify, or extend a software artifact. While programming activities by non-professional actors are an essential focus, EUD also investigates related activities such as collective understanding and sense-making of use problems and solutions, the interaction among end users with regard to the introduction and diffusion of new configurations, or delegation patterns that may also partly involve professional designers.

Water in Foods: Fundamental Aspects and their Significance in Relation to Processing of Foods contains the proceedings of the Fifth International Symposium on the Properties of Water in Foods (ISOPOW-V), held in Peniscola, Valencia, Spain, on November 8-14,1992. Organized into 31 chapters, each chapter representing the papers presented in the meeting, this book begins with a review of the theoretical aspects of hydration. Some chapters follow discussing the basic physical chemistry and links between hydration and solute interactions; computer modeling studies of the interaction of water with carbohydrates; and theories of liquid-glass transition. This book also describes the NMR imaging in the study of diffusion of water in foods, mechanical properties of frozen model solutions, and the role of water in biomembrane structures. Other chapters relate water to the methods of food preservation.

Magnetic Nanomaterials in Analytical Chemistry provides the first comprehensive review of magnetic nanomaterials in a variety of analytical chemistry applications, including basic information necessary for students and those new to the topic to utilize them. In addition to analytical chemists, those in various other disciplines where these materials have great potential—e.g., organic chemistry, catalysis, sensors—will also find this a valuable resource. Magnetic nanomaterials that can be controlled using external magnetic fields have opened new doors for the development of new sample preparation methods and novel magnetic sorbents for forensic chemistry, environmental monitoring, magnetic digital microfluidics, bioanalysis, and food analysis. In addition, they are seeing wide application as sensing materials in the development of giant magnetoresistive sensors, biosensors, electrochemical sensors, surface-enhanced Raman spectroscopy sensors, resonance light scattering sensors, and colorimetric sensors. Includes fundamental information on magnetic nanomaterials, including their classification, synthesis, functionalization, and characterization methods, separation and isolation techniques, toxicity, fate, and safe disposal Each chapter describes a specific application Utilizes figures, schemes, and images for better understanding of the principles of the method Presents information on advanced methods, such as giant magnetoresistive and magnetic digital microfluidics

An essential collection that advances our understanding of how cities influence our health More than half the world's population lives in cities -- a figure that will grow to two-thirds by 2030. As global populations rapidly consolidate around urban centers, the scientific understanding of what this means for human health faces a new and greater urgency. Urban Health connects urban exposures -- the experiences, choices, and behaviors shaped by living in a city -- to their impact on population health. By using the ubiquitous aspects of the urban experience as a lens to study these exposures across borders and demographics, it offers a new, scalable framework for understanding health and disease. Its applications to public health, epidemiology, and social science are virtually unlimited. Enriched with case studies that consider the state of health in cities all over the world, this book does more than capture the state of a nascent field; it holds a critical mirror to itself, considering the next decade and arming a new generation with the tools for research and practice.

Life for the Academic in the Neoliberal University investigates the impact of neoliberalism on academics in today’s universities. Considering the experiences of early career researchers as well as more experienced academics, it outlines the changing nature of working life in the university precipitated by the reality of de-professionalisation, worsening conditions of employment, and general precarious existence. The book traces the dramatic shift in the role and function of universities and academics over the last forty years. It

considers how capitalist neoliberalism drives universities to operate like businesses in a cut-throat financialised education market place. Uniquely the book then provides a possible alternative in the form of the National Education Service (NES) and what this alternative system could look like. Thought-provoking and relevant, this book will be of use to postgraduate students as well as new, emerging, and established academics interested in the current state of higher education, academic life, and possibilities for the future. How the university went global and became the heart of the information age The university is experiencing an unprecedented level of success today, as more universities in more countries educate more students in more fields. At the same time, the university has become central to a knowledge society based on the belief that everyone can, through higher education, access universal truths and apply them in the name of progress. This book traces the university's rise over the past hundred years to become the cultural linchpin of contemporary society, revealing how the so-called ivory tower has become profoundly interlinked with almost every area of human endeavor. David John Frank and John Meyer describe how, as the university expanded, student and faculty bodies became larger, more diverse, and more empowered to turn knowledge into action. Their contributions to society underscored the public importance of scholarship, and as the cultural authority of universities grew they increased the scope of their research and teaching interests. As a result, the university has become the bedrock of today's information-based society, an institution that is now implicated in the solution to every conceivable problem. But, as Frank and Meyer also show, the conditions that helped spur the university's recent ascendance are not immutable: eruptions of nationalism, authoritarianism, and illiberalism undercut the university's universalistic and rationalistic premises, and may threaten the centrality of the university itself.

This book draws on recent theoretical contributions in the area of global talent management and presents an up to date and critical review of the key issues which MNEs face. Beyond exploring some key overarching issues in global talent management the book discusses the key emerging issue around global talent management in key economies such as China, India, the Middle East and Eastern Europe. In contrast to many of the currently available texts in the area of global talent management which are descriptive and lacking theoretical rigor, this text emphasizes the critical understanding of global talent management in an organizational context. Drawing on contributions from the leading figures in the field, it will aid students, practitioners and researchers alike in gaining a well grounded and critical overview of the key issues surrounding global talent management from a theoretical and practical perspective.

The peer-reviewed papers in this special issue of Solid State Phenomena were selected from the 16th International Conference on Internal Friction and Mechanical Spectroscopy, ICIFMS-16, held on July 3 – 8, 2011, in Lausanne, Switzerland. Volume is indexed by Thomson Reuters CPCI-S (WoS). The proceedings aimed at attracting newcomers to this field of research in order to appreciate the potential of anelastic methodologies in the investigation of advanced materials and new phenomena. Scientists who are already involved in the field will also find here ideas and inspiration for new experiments and theories.

This book covers the properties of biomaterials that have found wide clinical applications, while also reviewing the state-of-the-art in the development towards future medical applications, starting with a brief introduction to the history of biomaterials used in hip arthroplasty. The book then reviews general types of biomaterials – polymers, ceramics, and metals, as well as different material structures such as porous materials and coatings and their applications – before exploring various current research trends, such as biodegradable and porous metals, shape memory alloys, bioactive biomaterials and coatings, and nanometals used in the diagnosis and therapy of cancer. In turn, the book discusses a range of methods and approaches used in connection with biomaterial properties and characterization – chemical properties, biocompatibility, in vivo behaviour characterisation, as well as genotoxicity and mutagenicity – and reviews various diagnostic techniques: histopathological analysis, imaging techniques, and methods for physicochemical and spectroscopic characterization. Properties of stent deployment procedures in cardiovascular surgeries, from aspects of prediction, development and deployment of stent geometries are presented on the basis of novel modelling approaches. The last part of the book presents the clinical applications of biomaterials, together with case studies in dentistry, knee and hip prosthesis. Reflecting the efforts of a multidisciplinary team of authors, gathering chemical engineers, medical doctors, physicists and engineers, it presents a rich blend of perspectives on the application of biomaterials in clinical practice. The book will provide clinicians with an essential review of currently available solutions in specific medical areas, also incorporating non-medical solutions and standpoints, thus offering them a broader selection of materials and implantable solutions. This work is the result of joint efforts of various academic and research institutions participating in WIMB Tempus project, 543898-TEMPUS-1-2013-1-ES-TEMPUS-JPHES, "Development of Sustainable Interrelations between Education, Research and Innovation at WBC Universities in Nanotechnologies and Advanced Materials where Innovation Means Business", co-funded by the Tempus Programme of the European Union.

This book focuses on those organic chemicals that are regulated by the Stockholm Convention on Persistent Organic Pollutants (POPs). as well as organic chemical with the attributes of being persistent, bioaccumulative, and toxic to ecosystem and human beings, criteria used by the Stockholm Convention for screening POP candidates. Because of the unfavourable properties of POPs, numerous research efforts have been directed toward investigating their input sources, fate, and effects, with the help of continuously improving analytical technologies. The contributors to this book provide an integrated assessment of existing data, which will benefit both the scientific and management communities in planning further research projects and/or pollution control measures. Comprehensive overview of recent advances in analyzing persistent organic pollutants (POPs) Covers input sources, fate and biological effects of POPs Contains essential information for environmental management

This handbook focuses on the interpersonal aspects of language in use, exploring key concepts such as face, im/politeness, identity, or gender, as well as mitigation,

respect/deference, and humour in a variety of settings. The volume includes theoretical overviews as well as empirical studies from experts in a range of disciplines within linguistics and communication studies and provides a multifaceted perspective on both theoretical and applied approaches to the role of language in relational work. This volume contributes to the burgeoning field of research on stance by offering a variety of studies based in natural discourse. These collected papers explore the situated, pragmatic, and interactional character of stancetaking, and present new models and conceptions of stance to spark future research. Central to the volume is the claim that stancetaking encompasses five general principles: it involves physical, attitudinal and/or moral positioning; it is a public action; it is inherently dialogic, interactional, and sequential; it indexes broader sociocultural contexts; and it is consequential to the interactants. Each paper explores one or more of these dimensions of stance from perspectives including interactional linguistics and conversation analysis, corpus linguistics, language description, discourse analysis, and sociocultural linguistics. Research languages include conversational American English, colloquial Indonesian, and Finnish. The understanding of stance that emerges is heterogeneous and variegated, and always intertwined with the pragmatic and social aspects of human conduct.

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Space science in China is one of the most active areas in modern science, and China has played a dynamic and steadily increasing role in this field since the 1960s. Until recently, however, activity in China was a mystery to the rest of the world. With the commercial importance of space, and the fact that space is now used as a "laboratory" to carry out various experiments, China has recently emerged as an important international competitor. Space Science in China provides a clear understanding of the latest research and progress in such wide-ranging areas as the development and research in solar-terrestrial science, space astronomy, geoscience, remote sensing, microgravity science, and life science.

Sustainable Use of Chemicals in Agriculture, Volume 2, explores the wide breadth of emerging and state-of-the-art technologies used to study the sustainable use of chemicals in agriculture. Sections in this new release include modern agriculture in Europe and the role/place of chemicals, a regulatory vision of the sustainable use of pesticides and risk mitigation, the perception of the concept in other regions of the globe, certification and added value for farm production, and how research and education can influence implementation and development, among other valuable topics. Covers a wide breadth of emerging and state-of-the-art technologies Includes contributions from an International board of authors Provides a comprehensive set of reviews

Environmental Issues Concerning Hydraulic Fracturing, Volume One captures the state-of-the-art research currently used to evaluate the potential impact of unconventional gas and oil gas extraction processes. Topics in this comprehensive guide on the topic include chapters on The Human Health Implications of Unconventional Oil and Gas Development, The use of Noble Gas Analysis and other Forensic Techniques in Characterizing Contamination Pathways Associated with Oil and Gas Development, Well Integrity, Contamination Mechanisms and Groundwater Impacts Associated with Unconventional Oil and Gas Development, and Advances in Fracturing and Well Construction: Improving Efficiency and Reducing Risks. This serial explores a wide breadth of emerging and state-of-the-art technologies used to study the potential environmental impact and various processes in the massive industrial process of shale exploration and resource extraction. Covers a wide breadth of emerging and state-of-the-art technologies Includes contributions from an International board of authors Provides a comprehensive set of reviews, covering the potential impact of unconventional gas and oil gas extraction processes

For scientist and layman alike this book provides vivid evidence that the Copernican Revolution has by no means lost its significance today. Few episodes in the development of scientific theory show so clearly how the solution to a highly technical problem can alter our basic thought processes and attitudes.

Policy entrepreneurs engage in collaborative action to promote broad societal changes. They distinguish themselves from other political actors through their willingness to promote policy innovations that are new within specific contexts. Policy Entrepreneurship: An Asian Perspective showcases an exciting collection of new research studies. Previous studies of policy entrepreneurship within specific contexts across this vast region have confirmed the explanatory power of the concept, even though the political systems under investigation are distinct from the political system in the United States, where the notion of policy entrepreneurship was coined. This book is the first ever

comprehensive compilation of research on policy entrepreneurship in Asia, and focused on policy change in China, India, Indonesia, Singapore and Thailand. All the studies gathered here assess the agency of policy entrepreneurs within broader structures that present them with both opportunities and constraints. In their different ways, each chapter explores how structural changes, specific strategies used by policy entrepreneurs, and the practice of boundary spanning shape policy agendas. The scholarship on display offers an inspiring treasure trove of ideas, insights, concepts, and research strategies. This book will prompt newer scholarship on policy entrepreneurs and the crucial role they play in contemporary politics, in Asia and globally. The chapters in this book were originally published in the Journal of Asian Public Policy.

This book examines issues and implications of digital and social media marketing for emerging markets. These markets necessitate substantial adaptations of developed theories and approaches employed in the Western world. The book investigates problems specific to emerging markets, while identifying new theoretical constructs and practical applications of digital marketing. It addresses topics such as electronic word of mouth (eWOM), demographic differences in digital marketing, mobile marketing, search engine advertising, among others. A radical increase in both temporal and geographical reach is empowering consumers to exert influence on brands, products, and services.

Information and Communication Technologies (ICTs) and digital media are having a significant impact on the way people communicate and fulfil their socio-economic, emotional and material needs. These technologies are also being harnessed by businesses for various purposes including distribution and selling of goods, retailing of consumer services, customer relationship management, and influencing consumer behaviour by employing digital marketing practices. This book considers this, as it examines the practice and research related to digital and social media marketing.

Smoking Geographies provides a research-led assessment of the impact of geographical factors on smoking. The contributors uncover how geography can show us not only why people smoke but also broader issues of tobacco control, providing deeper clarity on how smoking and tobacco is 'governed'. The text centres on one of the most important public health issues worldwide, and a major determinant of preventable mortality and morbidity in developed and developing countries. Records the outcomes of a long-term research collaboration that brings a geographical lens to smoking behaviour. Uncover how geography can play a part in understanding not only why people smoke but also broader issues of tobacco control. Provides a deeper understanding of how smoking and tobacco is 'governed', regarding where people may smoke, but also more subtle governance as a climate is produced in which smoking becomes 'denormalised'. Brings both quantitative and qualitative perspectives to bear on this major source of mortality and morbidity.

'Represents the culmination of an 18-month-long project that aims to be the definitive review of this important topic. Accompanied by a scholarly literature review, some new analysis, and a wealth of evidence and insight... the report is a tour de force; a once-in-a-generation opportunity to take stock.' – Dr Steven Hill, Head of Policy, HEFCE, LSE
Impact of Social Sciences Blog 'A must-read if you are interested in having a deeper understanding of research culture, management issues and the range of information we have on this field. It should be disseminated and discussed within institutions, disciplines and other sites of research collaboration.' – Dr Meera Sabaratnam, Lecturer in International Relations at the School of Oriental and African Studies, University of London, LSE
Impact of Social Sciences Blog Metrics evoke a mixed reaction from the research community. A commitment to using data and evidence to inform decisions makes many of us sympathetic, even enthusiastic, about the prospect of granular, real-time analysis of our own activities. Yet we only have to look around us at the blunt use of metrics to be reminded of the pitfalls. Metrics hold real power: they are constitutive of values, identities and livelihoods. How to exercise that power to positive ends is the focus of this book. Using extensive evidence-gathering, analysis and consultation, the authors take a thorough look at potential uses and limitations of research metrics and indicators. They explore the use of metrics across different disciplines, assess their potential contribution to the development of research excellence and impact and consider the changing ways in which universities are using quantitative indicators in their management systems. Finally, they consider the negative or unintended effects of metrics on various aspects of research culture. Including an updated introduction from James Wilsdon, the book proposes a framework for responsible metrics and makes a series of targeted recommendations to show how responsible metrics can be applied in research management, by funders, and in the next cycle of the Research Excellence Framework. The metric tide is certainly rising. Unlike King Canute, we have the agency and opportunity – and in this book, a serious body of evidence – to influence how it washes through higher education and research.

Discusses the evolution of forestry and agroforestry and presents the core literature in these fields, covering both traditional and emerging areas. Topics include changes in forest science in the 20th century, the development of agroforestry literature, the role of professional societies and the US

This book brings together a collection of critical essays that challenge the existing dogma of leisure as an unmitigated social good, in order to examine the commodification and marketisation of leisure across a number of key sites. Leisure and consumer culture have become symbolic of the individual freedoms of liberal society, ostensibly presenting individuals with the opportunity to display individual creativity, cultural competence and taste. This book problematizes these assertions, and considers the range of harms that emerge in a consumer society predicated upon intense individualism and symbolic competition. Approaching the field of commodified leisure through the lens of social harm, this collection of essays pushes far beyond criminology's traditional interest in 'deviant' forms of leisure, to consider the normalized social, interpersonal and environmental harms that emerge at the intersection of leisure and consumer capitalism. Capturing the current vitality and interdisciplinary scope of recent work which is underpinned by the deviant leisure perspective, this collection uses case studies, original research and other forms of empirical enquiry to scrutinise activities that range from alcohol consumption and

gambling, to charity tourism; CrossFit training; and cosmetic pharmaceuticals. Drawn from researchers across the UK, US, Europe and Australia, *Deviant Leisure: Criminological Perspectives on Leisure and Harm* represents the first systematic attempt at a criminological consideration of the global harms of the leisure industry; firmly establishing leisure as a subject of serious criminological importance.

University Ethics: The Status of the Field Matthew J. Gaudet A Crisis of Mistaken Identity: The Ethical Insufficiency of the Corporate University Model Conor M. Kelly Discipline is not Prevention: Transforming the Cultural Foundations of Campus Rape Culture Megan K. McCabe Navigating the Ethics of University-Based Medical Research Michael McCarthy Catholic Universities and Religious Liberty Laurie Johnston The System of Scholarly Communication through the Lens of Jesuit Values Lev Rickards and Shannon Kealey The Community Colleges: Giving Them the Ethical Recognition They Deserve James F. Keenan, S.J. The Data and Ethics of Contingent Faculty at Catholic Colleges and Universities Andrew Herr, Julia Cavallo, and Jason King The Ethics Program at Villanova University: A Story of Seed Sowing Mark J. Doorley A University Applied Ethics Center: The Markkula Center for Applied Ethics at Santa Clara University Brian Patrick Green, David DeCosse, Kirk Hanson, Don Heider, Margaret R. McLean, Irina Raicu, and Ann Skeet Diversity, Equity, and Inclusion —Doing the Work of Mission in the University Teresa A. Nance

Organized nanoassemblies of inorganic nanoparticles and organic molecules are building blocks of nanodevices, whether they are designed to perform molecular level computing, sense the environment or improve the catalytic properties of a material. The key to creation of these hybrid nanostructures lies in understanding the chemistry at a fundamental level. This book serves as a reference book for researchers by providing fundamental understanding of many nanoscopic materials.

This book constitutes the proceedings of the 27th International Working Conference on Requirements Engineering - Foundation for Software Quality, REFSQ 2021, which was due to be held in Essen, Germany, in April 2021. Due to the COVID-19 pandemic the conference was held virtually in April 2021. The special focus of this year's REFSQ 2021 conference are contributions emphasizing the importance of human values, such as privacy and fairness, when designing software-intensive systems as well as the challenges that intelligent and autonomous systems pose due to the tight interplay with humans.

This handbook presents the state of the art of quantitative methods and models to understand and assess the science and technology system. Focusing on various aspects of the development and application of indicators derived from data on scholarly publications, patents and electronic communications, the individual chapters, written by leading experts, discuss theoretical and methodological issues, illustrate applications, highlight their policy context and relevance, and point to future research directions. A substantial portion of the book is dedicated to detailed descriptions and analyses of data sources, presenting both traditional and advanced approaches. It addresses the main bibliographic metrics and indexes, such as the journal impact factor and the h-index, as well as altmetric and webometric indicators and science mapping techniques on different levels of aggregation and in the context of their value for the assessment of research performance as well as their impact on research policy and society. It also presents and critically discusses various national research evaluation systems. Complementing the sections reflecting on the science system, the technology section includes multiple chapters that explain different aspects of patent statistics, patent classification and database search methods to retrieve patent-related information. In addition, it examines the relevance of trademarks and standards as additional technological indicators. The Springer Handbook of Science and Technology Indicators is an invaluable resource for practitioners, scientists and policy makers wanting a systematic and thorough analysis of the potential and limitations of the various approaches to assess research and research performance. Written as an extension of *A Primer on Partial Least Squares Structural Equation Modeling (PLS-SEM) Second Edition*, this easy-to-understand, practical guide covers advanced content on PLS-SEM to help students and researchers apply techniques to research problems and accurately interpret results. The book provides a brief overview of basic concepts before moving to the more advanced material. Offering extensive examples on SmartPLS 3 software (www.smartpls.com) and accompanied by free downloadable data sets, the book emphasizes that any advanced PLS-SEM approach should be carefully applied to ensure that it fits the appropriate research context and the data characteristics that underpin the research.

Science and innovation have the power to transform our lives and the world we live in - for better or worse - in ways that often transcend borders and generations: from the innovation of complex financial products that played such an important role in the recent financial crisis to current proposals to intentionally engineer our Earth's climate. The promise of science and innovation brings with it ethical dilemmas and impacts which are often uncertain and unpredictable: it is often only once these have emerged that we feel able to control them. How do we undertake science and innovation responsibly under such conditions, towards not only socially acceptable, but socially desirable goals and in a way that is democratic, equitable and sustainable? Responsible innovation challenges us all to think about our responsibilities for the future, as scientists, innovators and citizens, and to act upon these. This book begins with a description of the current landscape of innovation and in subsequent chapters offers perspectives on the emerging concept of responsible innovation and its historical foundations, including key elements of a responsible innovation approach and examples of practical implementation. Written in a constructive and accessible way, *Responsible Innovation* includes chapters on: Innovation and its management in the 21st century A vision and framework for responsible innovation Concepts of future-oriented responsibility as an underpinning philosophy Values - sensitive design Key themes of anticipation, reflection, deliberation and responsiveness Multi - level governance and regulation Perspectives on responsible innovation in finance, ICT, geoengineering and nanotechnology Essentially multidisciplinary in nature, this landmark text combines research from the fields of science and technology studies, philosophy, innovation governance, business studies and beyond to address the question, "How do we ensure the responsible emergence of science and innovation in society?"

Traditionally, personality and psychopathology have been distinct areas of inquiry. This important volume reviews influential research programs that increasingly bridge the gap between the two areas. Presented are compelling perspectives on whether certain personality traits or structures confer risks for mental illness, how temperament interacts with other influences on psychological adaptation, links between personality disorders and mood and anxiety disorders, implications for effective intervention, and more.

Data Analysis for Omic Sciences: Methods and Applications, Volume 82, shows how these types of challenging datasets can be analyzed. Examples of applications in real environmental, clinical and food

analysis cases help readers disseminate these approaches. Chapters of note include an Introduction to Data Analysis Relevance in the Omics Era, Omics Experimental Design and Data Acquisition, Microarrays Data, Analysis of High-Throughput RNA Sequencing Data, Analysis of High-Throughput DNA Bisulfite Sequencing Data, Data Quality Assessment in Untargeted LC-MS Metabolomic, Data Normalization and Scaling, Metabolomics Data Preprocessing, and more. Presents the best reference book for omics data analysis Provides a review of the latest trends in transcriptomics and metabolomics data analysis tools Includes examples of applications in research fields, such as environmental, biomedical and food analysis

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