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the advancements in decision sciences theory and applications can be regarded as a continuously emerging field in all areas of interest including technology industry energy healthcare education agriculture social sciences and more managers in all disciplines face an endless list of complex issues every day one of the essential managerial skills is the ability to allocate and utilize limited resources appropriately in the efforts of achieving optimal performance efficiently this is no less important for those who work in the transportation sector the handbook of research on decision sciences and applications in the transportation sector explores the importance of decision sciences and the ways in which they apply to the transportation sector this book covers technologies and tools including machine learning mathematical modeling and simulation and their applications in such tasks as reducing fuel costs improving passenger flow and ensuring vehicle safety it is an essential reference source for managers professionals in the transport industry supply chain specialists safety officers it consultants executives practitioners scientists students researchers and academicians

autoimmune diseases are characterized by an abnormal and self directed immune response leading to damage and dysfunction of multiple organs and tissues most autoimmune diseases are recognized as affecting disproportionately more women than men suggesting a crucial role of sex hormones in modulating immune responses with estrogens being postulated as enhancing autoimmunity and androgens playing a protective role it is also widely acknowledged that there is an overwhelming male bias in non human animal studies of autoimmune diseases while studies of both sexes in human research frequently fail to

analyze results by sex underrepresentation of females in animal models of autoimmune disease is often justified by their intrinsic variability during the reproductive period compromising the understanding of impact of the female sex chromosome and hormones on immune system functions leading to the high prevalence of autoimmune conditions this research topic will highlight the most recent advances in understanding the possible mechanisms for sex specific differences in autoimmunity with a specific focus on pre clinical animal and human models of autoimmune inflammation as well as on the most common sex specific differences in autoimmune diseases the topic will emphasize advances in research exploring sex determinants in autoimmune rheumatic diseases such as systemic lupus erythematosus rheumatoid arthritis spondyloarthritis psoriatic arthritis sjögren s syndrome and further diseases such as inflammatory bowel disease autoimmune hepatitis multiple sclerosis psoriasis asthma and more the present research topic will include both full length and short research communications as well as perspective and review articles addressing various aspects of sex biased differences in pathogenesis age at disease onset clinical manifestations disease course treatment response associated co morbidities and overall survival across different autoimmune diseases with the increased concern for energy conservation in recent years much attention has been focused on lighting energy consumption and methods for reducing it along with this concern for energy efficient lighting has come the realization that lighting has profound effects on worker productivity as well as important aesthetic qualities this book presents an introduction to lighting design and energy efficiency which can be utilized while maintaining the quality of illumination topics include lighting energy management selection of lamps task lighting lighting design lighting control reflectors ballast selection natural daylighting wireless lighting control and case studies this book is intended to accomplish several goals first it is designed to provide a broad overview of the major areas of application of theory and research relating to nonverbal behavior second individual chapters emphasize how the applications have been drawn from underlying theories and empirical bases thereby making the link between theory research and applications apparent finally the volume links individual chapter contributions demonstrating how theoretical progress over the last few decades has led to important applied advances the contributors to this

book consider a wide variety of settings and topics their common thread however is a shared conviction that an understanding of nonverbal behavior can bring about an improvement in the human condition each of the authors has made suggestions regarding future directions for both research and practice and their ideas offer real promise the book referred to those addressed standards where applicable and insisted on the application of those standards and regulations that the engineer should be aware of and get used to in his effort to design and engineer projects to meet all their requirements which will insure human safety requirement including the safety of environment that we live in in the following pages of this book we shall talk in a comprehensive but not very detailed manner about the application of disciplines of the engineering profession in general and the application of electrical engineering in more detail however the specialized engineer must have the required academic background that he prepared himself during his academic study such study shall include but is not limited to the study of mathematics physics chemistry graphics engineering economics and the ability to master the language of those courses modeling techniques provide ample opportunities for progress across numerous fields when analyzing complex systems new methods allow for a deeper understanding of system dynamics method of systems potential msp applications in economics emerging research and opportunities is an innovative source of academic research that examines the method of systems potential for complex systems analysis in economical contexts highlighting critical perspectives on topics such as system efficiency adaptive algorithms and variable parameters this book is ideally designed for researchers academics graduate students and practitioners interested in the latest uses and applications of modeling techniques we are now entering a new phase in the establishment of historical organization studies as a distinctive methodological paradigm within the broad field of organization studies this book serves both as a landmark in the development of the field and as a key reference tool for researchers and students for two decades organization theorists have emphasized the need for more and better research recognizing the importance of the past in shaping the present and future by historicizing organizational research the contexts and forces bearing upon organizations will be more fully recognized and analyses of organizational dynamics improved but how precisely might a

traditionally empirically oriented discipline such as history be incorporated into a theoretically oriented discipline such as organization studies this book evaluates the current state of play advances it and identifies the possibilities the new emergent field offers for the future in addition to providing an important work of reference on the subject for researchers the book can be used to introduce management and organizational history to a student audience at both undergraduate and postgraduate levels the book is a valuable source for wider reading providing rich reference material in tutorials across organizational studies or as recommended or required reading on courses with a connection to business or management history mathematical macroevolution in diatom research buy this book to learn how to use mathematics in macroevolution research and apply mathematics to study complex biological problems this book contains recent research in mathematical and analytical studies on diatoms these studies reflect the complex and intricate nature of the problems being analyzed and the need to use mathematics as an aid in finding solutions diatoms are important components of marine food webs the silica and carbon cycles primary productivity and carbon sequestration their uniqueness as glass encased unicells and their presence throughout geologic history exemplifies the need to better understand such organisms explicating the role of diatoms in the biological world is no more urgent than their role as environmental and climate indicators and as such is aided by the mathematical studies in this book the volume contains twelve original research papers as chapters macroevolutionary science topics covered are morphological analysis morphospace analysis adaptation food web dynamics origination extinction and diversity biogeography life cycle dynamics complexity symmetry and evolvability mathematics used in the chapters include stochastic and delay differential and partial differential equations differential geometry probability theory ergodic theory group theory knot theory statistical distributions chaos theory and combinatorics applied sciences used in the chapters include networks machine learning robotics computer vision image processing pattern recognition and dynamical systems the volume covers a diverse range of mathematical treatments of topics in diatom research audience diatom researchers mathematical biologists evolutionary and macroevolutionary biologists paleontologists paleobiologists theoretical biologists as well as researchers in applied mathematics algorithm sciences complex systems

science computational sciences informatics computer vision and image processing sciences nanoscience the biofuels industry and applied engineering this annual information bulletin presents a survey of research in hand on the social and economic aspects of transport in over 400 specialised agencies which are mainly european west and east but in some cases american canadian or australian in the era of technology and big data advanced and innovative research methods and conducting effective research to solve emerging problems in tourism and hospitality is critical making advanced research methods in hospitality and tourism a necessity for academics and practitioners effective research in educational settings requires collaboration between researchers and school based practitioners to codesign instruction and assessment analyze findings to inform subsequent iterations and make thoughtful revisions this innovative reference and course text examines the theory and practice of design based research dbr an important methodology for conducting studies in authentic educational contexts leading experts provide specific examples of high quality dbr addressing different research foci grade levels and subject areas literacy english language arts math and science applications are presented for curriculum development intervention assessment and digital contexts as well as teaching second language learners also addressed is dbr s role in educator preparation professional development dissertation research and technical education this book covers several important aspects of pharmaceutical research and innovations it presents important topics on drug delivery novel microsphere nanocrystals polymeric nanoparticles peptide synthesis biopharmaceuticals pharmacodynamics yeast flocculation neuromodulators innovative drug discovery pharmacoinformatics aminoquinoline thiourea crystals for api synthesis fdc s and formulations research ayurveda and natural products and innovations to militate anti microbial resistance amr a chapter is devoted to the applications of artificial intelligence and machine learning in diverse sectors of the pharmaceutical industry including drug discovery and development drug repurposing and improving pharmaceutical productivity the book also reviews the role of pharmacogenomics and pharmacogenetics in drug development and precision medicine further the book presents an updated summary of recent advances in the fields of nanomedicines and nano based drug delivery systems this book is useful to pharmaceutical sciences students

researchers educators and professionals in the pharmaceutical industry to understand the intricacies of new drug research and innovations bridge the gap between research and practice with introduction to research understanding and applying multiple strategies 5th edition this easy to read edition covers all the major research design strategies qualitative quantitative naturalistic experimental type and mixed method and with the text s up to date research information and references you will have a solid foundation from which to critique and understand research designs and their applications to healthcare and human service settings case examples provide real life snapshots of what it is like to participate in different types of research processes identify research dilemmas relevant to chapter subjects and alert you to problems you might encounter authors make the topics more accessible so research becomes more relevant and topics come to life covers experimental type naturalistic and mixed method design strategies to improve your ability to compare contrast and integrate different methods presents complex information clearly in a highly readable and easy to understand manner includes detailed discussions of qualitative and quantitative methodologies a unique and balanced focus that makes this text more comprehensive than others in its field new up to date research methods strategies and references like digital sources visual methods and geographical analysis give you the latest information on research in diverse areas of health and human services this annual information bulletin presents a survey of research in hand on the social and economic aspects of transport in over 400 specialised agencies which are mainly european west and east but in some cases american canadian or australian this book provides a comprehensive reference source on next generation technologies and their applications provided by publisher the workshop for women in graph theory and applications was held at the institute for mathematics and its applications university of minnesota minneapolis on august 19 23 2019 during this five day workshop 42 participants performed collaborative research in six teams each focused on open problems in different areas of graph theory and its applications the research work of each team was led by two experts in the corresponding area who prior to the workshop carefully selected relevant and meaningful open problems that would yield high quality research and results of strong impact as a result all six teams have made significant contributions to several open problems in their respective

areas the workshop led to the creation of the women in graph theory and applications research collaboration network which provided the framework to continue collaborating and to produce this volume this book contains six chapters each of them on one of the different areas of research at the workshop for women in graph theory and applications and written by participants of each team social capital is fundamentally concerned with resources in social relations this handbook brings together leading scholars from around the world to address important questions on the determinants manifestations and consequences of social capital vario research methods in social relations 8th edition features a series of updates and revisions in its comprehensive introduction to current research methods in the social and behavioural sciences offers comprehensive coverage of a wide variety of traditional and topical research methods addresses many newer research approaches such as propensity score matching mixed methods designs and confirmatory factor analysis written to be accessible to a range of social and behavioural science disciplines including public health political science sociology and psychology includes new chapters that engage readers in critical thinking about the processes involved in building sustainable partnerships in field and community settings the companion website includes an array of resources for instructors including test banks power point lecture slides discussion questions and exercises this new edition is the much anticipated follow up to 2001 s seventh edition by hoyle harris and judd this volume presents international perspectives on the application and development of theory and methodology in researching higher education topics discussed include critical race theory the use of communities of practice theory participant ethnography and decolonization using indigenous principles ten chapters discuss key aspects of advanced pls analysis and its practical applications covering new guidelines and improvements in the use of pls pm as well as various individual topics the focus of this report is on artificial intelligence ai and human computer interface hci technology observations conclusions and recommendations regarding ai and hci are presented in terms of six grand challenge areas which serve to identify key scientific and engineering issues and opportunities chapter 1 presents the panel s definitions of these and related terms chapter 2 presents the panel s general observations and recommendations regarding ai and hci finally chapter 3 discusses

computer science ai and hci in terms of the six selected grand challenge areas and three time horizons that is short term within the next 2 years midterm 2 to 6 years and long term more than 6 years from now and presents additional recommendations in these areas mixed methods research is becoming prevalent in many fields yet little has been done to elevate mixed methods research in information science a comprehensive picture of information science and its problems is needed to further understand and address the issues associated with it as well as how mixed methods research can be adapted and used the handbook of research on mixed methods research in information science discusses the quality of mixed methods studies and methodological transparency sampling in mixed methods research and the application of theory in mixed methods research throughout various contexts covering topics such as the issues and potential directions for further research in mixed methods this comprehensive major reference work is ideal for researchers policymakers academicians librarians practitioners instructors and students this book constitutes the proceedings of the 18th international conference on mathematical optimization theory and operations research motor 2019 held in ekaterinburg russia in july 2019 the 48 full papers presented in this volume were carefully reviewed and selected from 170 submissions motor 2019 is a successor of the well known international and all russian conference series which were organized in ural siberia and the far east for a long time the selected papers are organized in the following topical sections mathematical programming bi level optimization integer programming combinatorial optimization optimal control and approximation data mining and computational geometry games and mathematical economics the book cutting edge research in technologies responds to the great interest for innovation in the large domain of technologies it presents contributions by researchers with high expertise in the field serving as a valuable reference for scientists researchers graduate students and professionals the book has five chapters covering the following subjects information and communication technologies and services with the aim of improving the quality of life and the mobility of users localisation technologies for deployment of mobile robots in dynamic environments embedded video processing circuit design flow in the python language data communications and networking and textile weaving this volume published in honor of professor corrado casci celebrates the life of a

very distinguished international figure devoted to scientific study research teaching and leadership the numerous contributions of corrado cascini are widely admired by scientists and engineers around the globe he has been an impressive model and outstanding colleague to many researchers unfortunately only a few of them could be invited to contribute to this honorific volume everyone of the invited contributors responded with enthusiasm v corrado cascini contents preface v contributors ix curriculum vitae xl publications of corrado cascini xix i combustion 1 mechanics of turbulent flow in combustors for premixed gases 3 a k oppenheim 2 a pore structure independent combustion model for porous media with application to graphite oxidation 19 m b richards and s s penner 3 stabilization of hydrogen air flames in supersonic flow 37 g winterfeld 4 thermodynamics of refractory material formation by combustion techniques 49 i glassman k brezinsky and k a davis 5 catalytic combustion processes 63 a p glaskova 6 stability of ignition transients of reactive solid mixtures 83 v e zarko 7 combustion modeling and stability of double base solid rocket propellants 109 l de luca and l galfetti 8 combustion instabilities and rayleigh s criterion 135 f e c culick ii liquid sprays 9 on the anisotropy of drop and particle velocity fluctuations in two phase round gas jets 155 a tomboulides m l andrews and f v bracco vii viii contents 10 this book covers recent research on the covid 19 pandemic it includes the analysis implementation usage and proposed ideas and models with architecture to handle the covid 19 outbreak using advanced technologies such as artificial intelligence ai and machine learning ml techniques for data analysis this book will be helpful to mitigate exposure and ensure public health we know prevention is better than cure so by using several ml techniques researchers can try to predict the disease in its early stage and develop more effective medications and treatments computational technologies in areas like ai ml internet of things iot and drone technologies underlie a range of applications that can be developed and utilized for this purpose because in most cases there is no one solution to stop the spreading of pandemic diseases and the integration of several tools and tactics are needed many successful applications of ai ml iot and drone technologies already exist including systems that analyze past data to predict and conclude some useful information for controlling the spread of covid 19 infections using minimum resources the ai and ml approach can be helpful to design different models to give

a predictive solution for mitigating infection and preventing larger outbreaks this book examines the use of artificial intelligence ai machine learning ml internet of things iot and drone technologies as a helpful predictive solution for controlling infection of covid 19 covers recent research related to the covid 19 pandemic and includes the analysis implementation usage and proposed ideas and models with architecture to handle a pandemic outbreak examines the performance implementation architecture and techniques of different analytical and statistical models related to covid 19 includes different case studies on covid 19 dr chhabi rani panigrahi is assistant professor in the department of computer science at rama devi women s university bhubaneswar india dr bibudhendu pati is associate professor and head of the department of computer science at rama devi women s university bhubaneswar india dr mamata rath is assistant professor in the school of management information technology at birla global university bhubaneswar india prof rajkumar buyya is a redmond barry distinguished professor and director of the cloud computing and distributed systems clouds laboratory at the university of melbourne australia front matter copyright page figures and tables expanding the middle income groups building a middle class dominated modern society analysis and forecast of china s social conditions during the period 2016 2017 research group for social situation analysis and forecast chinese academy of social sciences and quangjin chen report on the income and spending of china s urban and rural residents in 2016 qingzhe lyu the impact of the adjustment of china s industrial structure on the employment of college graduates in 2016 rong mo and xinyu wang changes in the income gap of chinese residents in 2016 yiyong yang and zhenhe chi continual improvements in china s social security system in 2016 fayun wang and wei wu report on education reform and development in china in 2016 lei fan report on the development of china s health care in 2016 lijie fang research report on the new social class in china s megacities based on surveys in beijing shanghai and guangzhou haidong zhang chengchen yang and siqi lai changes in the living conditions of the elderly in urban and rural areas and future trends based on data analysis of four national surveys during the period 2000 2015 haitao wang yu fang and zheng ouyang leisure class status and reading for pleasure yi zhang report on the usage of the internet and social networks in china in 2016 di zhu feng tian and xiaobing wang

research report on the chinese public s knowledge of and attitudes towards genetic modification guangxi he miao liao changhui shi wenxia zhang and yandong zhao research report on the values and belief system of young employees of chinese enterprises chen chen report on the analysis of internet public opinion in china in 2016 huaxin zhu yufeng pan and xiaoran chen progress report on china s rural land property rights reform in 2016 qiang gao report on the situation of food and drug safety in china in 2016 jie luo and hao zhang the state of and new issues in china s environmental protection in 2016 feng jia ke yang huicong zhang shuo tian jingyi huang zijiao zhang and liantong zhou report on the analysis of the situation of public safety in china in 2016 yandong zhou and zhigang gong the status of workers in the supply side structural reform in 2016 jian qiao report on women s development in china in 2016 yunzhu jia statistical overview of china s social development 2016 liping zhang back matter index data management technology is rapidly progressing and with it comes the need for stricter rules that ensure the information being collected is handled appropriately ensuring research integrity and the ethical management of data is an essential resource that examines the best approaches for providing quality research as well as how to effectively manage that information in a reputable way featuring extensive research on relevant topics such as qualitative data collection data sharing data misinterpretation and intellectual property this scholarly publication is an ideal reference source for academicians students and researchers interested in current trends and techniques in ethical research and data management this book project poses a major challenge to japanese science education researchers in order to disseminate research findings on and to work towards maintaining the strength and nature of japanese science education it also presents a unique opportunity to initiate change and or develop science education research in japan it provides some historical reasons essential to japanese students success in international science tests such as timss and pisa also it helps to tap the potential of younger generation of science education researchers by introducing them to methods and designs in the research practice the key question this book addresses is how to identify and create optimal conditions for the kind of learning and development that is especially important for effectively functioning in the 21st century taking a new approach to this long debated issue it looks at how a design research

based science of learning with its practical models and related design research can provide insights and integrated models of how human beings actually function and grow in the social dynamics of educational settings with all their affordances and constraints more specifically how can specific domains or subject matters be taught for broad intellectual development how can technology be integrated in enhancing human functioning how can the social organization of classroom learning be optimized to create social norms for promoting deep intellectual engagement and personal growth part i is concerned with broad conceptual and technical issues regarding cultivating intellectual potential with a focus on how design research might fill in an important niche in addressing these issues part ii presents specific design work in terms of design principles models and prototypes handbook of service user involvement in mental health research in recent years the need for patient and public involvement in medical research has been accepted around the world patient groups are gaining power and demanding their right to influence the direction of research while funding bodies are increasingly regarding patient involvement as a requirement for grant applications however current knowledge on how to involve service users in mental health research is sparse and dispersed this book provides clear guidance on best practice in this area with practical advice based on experience in countries around the world handbook of service user involvement in mental health research describes the background and principles underlying the concept of service user involvement in mental health research it provides relevant practical advice on how to engage with service users and how to build and maintain research collaboration on a professional level the book highlights common practical problems in service user involvement suggesting ways to avoid pitfalls and common difficulties combines the theoretical aspects of service user involvement in research with specific examples as well as with general practical guidelines represents the views of service users in a powerful combination with the views of other mental health professionals considers the different perspectives and needs of the stakeholders concerned includes a step by step guide on best practice in successful service user involvement handbook of service user involvement in mental health research is written for psychiatrists and other medical professionals managing people with psychiatric disorders as well as for researchers in the mental health field who want to develop projects with

service user involvement it is vital reading for funding bodies requesting service user involvement and importantly is written for those service users who are interested in becoming involved in research sgn the ebook davanagere university davanagere ph d entrance test research aptitude section common for all streams covers study material plus objective questions with answers on research aptitude subject

Handbook of Research on Decision Sciences and Applications in the Transportation Sector

2021-06-25

the advancements in decision sciences theory and applications can be regarded as a continuously emerging field in all areas of interest including technology industry energy healthcare education agriculture social sciences and more managers in all disciplines face an endless list of complex issues every day one of the essential managerial skills is the ability to allocate and utilize limited resources appropriately in the efforts of achieving optimal performance efficiently this is no less important for those who work in the transportation sector the handbook of research on decision sciences and applications in the transportation sector explores the importance of decision sciences and the ways in which they apply to the transportation sector this book covers technologies and tools including machine learning mathematical modeling and simulation and their applications in such tasks as reducing fuel costs improving passenger flow and ensuring vehicle safety it is an essential reference source for managers professionals in the transport industry supply chain specialists safety officers it consultants executives practitioners scientists students researchers and academicians

Sex Bias in Autoimmunity: From Animal Models to Clinical Research and Applications

2023-01-17

autoimmune diseases are characterized by an abnormal and self directed immune response leading to damage and dysfunction of multiple organs and tissues most autoimmune diseases are recognized as affecting disproportionately more women than men suggesting a crucial role of sex hormones in modulating immune responses with

estrogens being postulated as enhancing autoimmunity and androgens playing a protective role it is also widely acknowledged that there is an overwhelming male bias in non human animal studies of autoimmune diseases while studies of both sexes in human research frequently fail to analyze results by sex underrepresentation of females in animal models of autoimmune disease is often justified by their intrinsic variability during the reproductive period compromising the understanding of impact of the female sex chromosome and hormones on immune system functions leading to the high prevalence of autoimmune conditions this research topic will highlight the most recent advances in understanding the possible mechanisms for sex specific differences in autoimmunity with a specific focus on pre clinical animal and human models of autoimmune inflammation as well as on the most common sex specific differences in autoimmune diseases the topic will emphasize advances in research exploring sex determinants in autoimmune rheumatic diseases such as systemic lupus erythematosus rheumatoid arthritis spondyloarthritis psoriatic arthritis sjögren s syndrome and further diseases such as inflammatory bowel disease autoimmune hepatitis multiple sclerosis psoriasis asthma and more the present research topic will include both full length and short research communications as well as perspective and review articles addressing various aspects of sex biased differences in pathogenesis age at disease onset clinical manifestations disease course treatment response associated co morbidities and overall survival across different autoimmune diseases

Efficient Lighting Applications and Case Studies

2020-12-18

with the increased concern for energy conservation in recent years much attention has been focused on lighting energy consumption and methods for reducing it along with this concern for energy efficient lighting has come the realization that lighting has profound effects on worker productivity as well as important aesthetic qualities this book presents an introduction to lighting design and energy efficiency which can be utilized while maintaining the quality of illumination topics

include lighting energy management selection of lamps task lighting
lighting design lighting control reflectors ballast selection natural
daylighting wireless lighting control and case studies

Applications of Nonverbal Behavioral Theories and Research

2014-02-25

this book is intended to accomplish several goals first it is designed to provide a broad overview of the major areas of application of theory and research relating to nonverbal behavior second individual chapters emphasize how the applications have been drawn from underlying theories and empirical bases thereby making the link between theory research and applications apparent finally the volume links individual chapter contributions demonstrating how theoretical progress over the last few decades has led to important applied advances the contributors to this book consider a wide variety of settings and topics their common thread however is a shared conviction that an understanding of nonverbal behavior can bring about an improvement in the human condition each of the authors has made suggestions regarding future directions for both research and practice and their ideas offer real promise

Practical Engineering Application in Electrical Engineering Studies

2017-01-13

the book referred to those addressed standards where applicable and insisted on the application of those standards and regulations that the engineer should be aware of and get used to in his effort to design and engineer projects to meet all their requirements which will insure human safety requirement including the safety of environment that we live in in the following pages of this book we shall talk in a comprehensive but not very detailed manner about the application of

disciplines of the engineering profession in general and the application of electrical engineering in more detail however the specialized engineer must have the required academic background that he prepared himself during his academic study such study shall include but is not limited to the study of mathematics physics chemistry graphics engineering economics and the ability to master the language of those courses

Method of Systems Potential (MSP) Applications in Economics: Emerging Research and Opportunities

2017-02-10

modeling techniques provide ample opportunities for progress across numerous fields when analyzing complex systems new methods allow for a deeper understanding of system dynamics method of systems potential msp applications in economics emerging research and opportunities is an innovative source of academic research that examines the method of systems potential for complex systems analysis in economical contexts highlighting critical perspectives on topics such as system efficiency adaptive algorithms and variable parameters this book is ideally designed for researchers academics graduate students and practitioners interested in the latest uses and applications of modeling techniques

Historical Organization Studies

2020

we are now entering a new phase in the establishment of historical organization studies as a distinctive methodological paradigm within the broad field of organization studies this book serves both as a landmark in the development of the field and as a key reference tool for researchers and students for two decades organization theorists have emphasized the need for more and better research recognizing the importance of the past in shaping the present and future by historicizing

organizational research the contexts and forces bearing upon organizations will be more fully recognized and analyses of organizational dynamics improved but how precisely might a traditionally empirically oriented discipline such as history be incorporated into a theoretically oriented discipline such as organization studies this book evaluates the current state of play advances it and identifies the possibilities the new emergent field offers for the future in addition to providing an important work of reference on the subject for researchers the book can be used to introduce management and organizational history to a student audience at both undergraduate and postgraduate levels the book is a valuable source for wider reading providing rich reference material in tutorials across organizational studies or as recommended or required reading on courses with a connection to business or management history

Mathematical Macroevolution in Diatom Research

2023-08-09

mathematical macroevolution in diatom research buy this book to learn how to use mathematics in macroevolution research and apply mathematics to study complex biological problems this book contains recent research in mathematical and analytical studies on diatoms these studies reflect the complex and intricate nature of the problems being analyzed and the need to use mathematics as an aid in finding solutions diatoms are important components of marine food webs the silica and carbon cycles primary productivity and carbon sequestration their uniqueness as glass encased unicells and their presence throughout geologic history exemplifies the need to better understand such organisms explicating the role of diatoms in the biological world is no more urgent than their role as environmental and climate indicators and as such is aided by the mathematical studies in this book the volume contains twelve original research papers as chapters macroevolutionary science topics covered are morphological analysis morphospace analysis adaptation food web dynamics origination extinction and diversity biogeography life cycle dynamics complexity symmetry and evolvability

mathematics used in the chapters include stochastic and delay differential and partial differential equations differential geometry probability theory ergodic theory group theory knot theory statistical distributions chaos theory and combinatorics applied sciences used in the chapters include networks machine learning robotics computer vision image processing pattern recognition and dynamical systems the volume covers a diverse range of mathematical treatments of topics in diatom research audience diatom researchers mathematical biologists evolutionary and macroevolutionary biologists paleontologists paleobiologists theoretical biologists as well as researchers in applied mathematics algorithm sciences complex systems science computational sciences informatics computer vision and image processing sciences nanoscience the biofuels industry and applied engineering

Energy Research Abstracts

1989

this annual information bulletin presents a survey of research in hand on the social and economic aspects of transport in over 400 specialised agencies which are mainly european west and east but in some cases american canadian or australian

Research on Transport Economics 1998

1998-11-03

in the era of technology and big data advanced and innovative research methods and conducting effective research to solve emerging problems in tourism and hospitality is critical making advanced research methods in hospitality and tourism a necessity for academics and practitioners

Compendium of HHS Evaluations and Relevant Other Studies

1990

effective research in educational settings requires collaboration between researchers and school based practitioners to codesign instruction and assessment analyze findings to inform subsequent iterations and make thoughtful revisions this innovative reference and course text examines the theory and practice of design based research dbr an important methodology for conducting studies in authentic educational contexts leading experts provide specific examples of high quality dbr addressing different research foci grade levels and subject areas literacy english language arts math and science applications are presented for curriculum development intervention assessment and digital contexts as well as teaching second language learners also addressed is dbr s role in educator preparation professional development dissertation research and technical education

Advanced Research Methods in Hospitality and Tourism

2022-11-04

this book covers several important aspects of pharmaceutical research and innovations it presents important topics on drug delivery novel microsphere nanocrystals polymeric nanoparticles peptide synthesis biopharmaceuticals pharmacodynamics yeast flocculation neuromodulators innovative drug discovery pharmacoinformatics aminoquinoline thiourea crystals for api synthesis fdc and formulations research ayurveda and natural products and innovations to militate anti microbial resistance amr a chapter is devoted to the applications of artificial intelligence and machine learning in diverse sectors of the pharmaceutical industry including drug discovery and development drug repurposing and improving pharmaceutical productivity the book also reviews the role of pharmacogenomics and pharmacogenetics in drug development and precision medicine further the book presents an updated summary of recent advances in the fields of nanomedicines and nano based drug delivery systems this book is useful to pharmaceutical sciences students researchers educators and professionals in the pharmaceutical industry to understand the intricacies of new drug research and innovations

Design-Based Research in Education

2021-10-15

bridge the gap between research and practice with introduction to research understanding and applying multiple strategies 5th edition this easy to read edition covers all the major research design strategies qualitative quantitative naturalistic experimental type and mixed method and with the text s up to date research information and references you will have a solid foundation from which to critique and understand research designs and their applications to healthcare and human service settings case examples provide real life snapshots of what it is like to participate in different types of research processes identify research dilemmas relevant to chapter subjects and alert you to problems you might encounter authors make the topics more accessible so research becomes more relevant and topics come to life covers experimental type naturalistic and mixed method design strategies to improve your ability to compare contrast and integrate different methods presents complex information clearly in a highly readable and easy to understand manner includes detailed discussions of qualitative and quantitative methodologies a unique and balanced focus that makes this text more comprehensive than others in its field new up to date research methods strategies and references like digital sources visual methods and geographical analysis give you the latest information on research in diverse areas of health and human services

Comparative Education: Concept, Research, and Application

1973

this annual information bulletin presents a survey of research in hand on the social and economic aspects of transport in over 400 specialised agencies which are mainly european west and east but in some cases american canadian or australian

Recent Advances in Pharmaceutical Innovation and Research

2023-10-13

this book provides a comprehensive reference source on next generation technologies and their applications provided by publisher

Introduction to Research - E-Book

2015-03-06

the workshop for women in graph theory and applications was held at the institute for mathematics and its applications university of minnesota minneapolis on august 19 23 2019 during this five day workshop 42 participants performed collaborative research in six teams each focused on open problems in different areas of graph theory and its applications the research work of each team was led by two experts in the corresponding area who prior to the workshop carefully selected relevant and meaningful open problems that would yield high quality research and results of strong impact as a result all six teams have made significant contributions to several open problems in their respective areas the workshop led to the creation of the women in graph theory and applications research collaboration network which provided the framework to continue collaborating and to produce this volume this book contains six chapters each of them on one of the different areas of research at the workshop for women in graph theory and applications and written by participants of each team

ECRM2014-Proceedings of the 13th European Conference on Research Methodology for Business and Management

Studies

2014-06-16

social capital is fundamentally concerned with resources in social relations this handbook brings together leading scholars from around the world to address important questions on the determinants manifestations and consequences of social capital vario

Research on Transport Economics 1999

1999-11-23

research methods in social relations 8th edition features a series of updates and revisions in its comprehensive introduction to current research methods in the social and behavioural sciences offers comprehensive coverage of a wide variety of traditional and topical research methods addresses many newer research approaches such as propensity score matching mixed methods designs and confirmatory factor analysis written to be accessible to a range of social and behavioural science disciplines including public health political science sociology and psychology includes new chapters that engage readers in critical thinking about the processes involved in building sustainable partnerships in field and community settings the companion website includes an array of resources for instructors including test banks power point lecture slides discussion questions and exercises this new edition is the much anticipated follow up to 2001 s seventh edition by hoyle harris and judd

Handbook of Research on Web 2.0, 3.0, and X.0: Technologies, Business, and Social Applications

2009-11-30

this volume presents international perspectives on the application and

development of theory and methodology in researching higher education topics discussed include critical race theory the use of communities of practice theory participant ethnography and decolonization using indigenous principles

Writing, Research, Theory, and Applications

1984

ten chapters discuss key aspects of advanced pls analysis and its practical applications covering new guidelines and improvements in the use of pls pm as well as various individual topics

Research Trends in Graph Theory and Applications

2022-09-08

the focus of this report is on artificial intelligence ai and human computer interface hci technology observations conclusions and recommendations regarding ai and hci are presented in terms of six grand challenge areas which serve to identify key scientific and engineering issues and opportunities chapter 1 presents the panel s definitions of these and related terms chapter 2 presents the panel s general observations and recommendations regarding ai and hci finally chapter 3 discusses computer science ai and hci in terms of the six selected grand challenge areas and three time horizons that is short term within the next 2 years midterm 2 to 6 years and long term more than 6 years from now and presents additional recommendations in these areas

Handbook of Research Methods and

Applications in Social Capital

2015-08-28

mixed methods research is becoming prevalent in many fields yet little has been done to elevate mixed methods research in information science a comprehensive picture of information science and its problems is needed to further understand and address the issues associated with it as well as how mixed methods research can be adapted and used the handbook of research on mixed methods research in information science discusses the quality of mixed methods studies and methodological transparency sampling in mixed methods research and the application of theory in mixed methods research throughout various contexts covering topics such as the issues and potential directions for further research in mixed methods this comprehensive major reference work is ideal for researchers policymakers academicians librarians practitioners instructors and students

Research Methods in Social Relations

2014-08-18

this book constitutes the proceedings of the 18th international conference on mathematical optimization theory and operations research motor 2019 held in ekaterinburg russia in july 2019 the 48 full papers presented in this volume were carefully reviewed and selected from 170 submissions motor 2019 is a successor of the well known international and all russian conference series which were organized in ural siberia and the far east for a long time the selected papers are organized in the following topical sections mathematical programming bi level optimization integer programming combinatorial optimization optimal control and approximation data mining and computational geometry games and mathematical economics

Theory and Method in Higher Education

Research

2021-11-12

the book cutting edge research in technologies responds to the great interest for innovation in the large domain of technologies it presents contributions by researchers with high expertise in the field serving as a valuable reference for scientists researchers graduate students and professionals the book has five chapters covering the following subjects information and communication technologies and services with the aim of improving the quality of life and the mobility of users localisation technologies for deployment of mobile robots in dynamic environments embedded video processing circuit design flow in the python language data communications and networking and textile weaving

Applying Partial Least Squares in Tourism and Hospitality Research

2018-12-14

this volume published in honor of professor corrado casci celebrates the life of a very distinguished international figure devoted to scientific study research teaching and leadership the numerous contributions of corrado casci are widely admired by scientists and engineers around the globe he has been an impressive model and outstanding colleague to many researchers unfortunately only a few of them could be invited to contribute to this honorific volume everyone of the invited contributors responded with enthusiasm v corrado casci contents preface v contributors ix curriculum vitae xl publications of corrado casci xix i combustion 1 mechanics of turbulent flow in combustors for premixed gases 3 a k oppenheim 2 a pore structure independent combustion model for porous media with application to graphite oxidation 19 m b richards and s s penner 3 stabilization of hydrogen air flames in supersonic flow 37 g winterfeld 4 thermodynamics of refractory material formation by combustion techniques 49 i glassman k brezinsky and k a davis 5 catalytic combustion processes 63 a p glaskova 6 stability of ignition transients of reactive solid mixtures 83 v e zarko 7 combustion

modeling and stability of double base solid rocket propellants 109 l de luca and l galfetti 8 combustion instabilities and rayleigh s criterion 135 f e c culick ii liquid sprays 9 on the anisotropy of drop and particle velocity fluctuations in two phase round gas jets 155 a tomboulides m l andrews and f v bracco vii viii contents 10

Computer Science and Artificial Intelligence

1997-06-10

this book covers recent research on the covid 19 pandemic it includes the analysis implementation usage and proposed ideas and models with architecture to handle the covid 19 outbreak using advanced technologies such as artificial intelligence ai and machine learning ml techniques for data analysis this book will be helpful to mitigate exposure and ensure public health we know prevention is better than cure so by using several ml techniques researchers can try to predict the disease in its early stage and develop more effective medications and treatments computational technologies in areas like ai ml internet of things iot and drone technologies underlie a range of applications that can be developed and utilized for this purpose because in most cases there is no one solution to stop the spreading of pandemic diseases and the integration of several tools and tactics are needed many successful applications of ai ml iot and drone technologies already exist including systems that analyze past data to predict and conclude some useful information for controlling the spread of covid 19 infections using minimum resources the ai and ml approach can be helpful to design different models to give a predictive solution for mitigating infection and preventing larger outbreaks this book examines the use of artificial intelligence ai machine learning ml internet of things iot and drone technologies as a helpful predictive solution for controlling infection of covid 19 covers recent research related to the covid 19 pandemic and includes the analysis implementation usage and proposed ideas and models with architecture to handle a pandemic outbreak examines the performance implementation architecture and techniques of different analytical and statistical models related to covid 19 includes different

case studies on covid 19 dr chhabi rani panigrahi is assistant professor in the department of computer science at rama devi women s university bhubaneswar india dr bibudhendu pati is associate professor and head of the department of computer science at rama devi women s university bhubaneswar india dr mamata rath is assistant professor in the school of management information technology at birla global university bhubaneswar india prof rajkumar buyya is a redmond barry distinguished professor and director of the cloud computing and distributed systems clouds laboratory at the university of melbourne australia

Handbook of Research on Mixed Methods Research in Information Science

2021-11-26

front matter copyright page figures and tables expanding the middle income groups building a middle class dominated modern society analysis and forecast of china s social conditions during the period 2016 2017 research group for social situation analysis and forecast chinese academy of social sciences and guangjin chen report on the income and spending of china s urban and rural residents in 2016 qingzhe lyu the impact of the adjustment of china s industrial structure on the employment of college graduates in 2016 rong mo and xinyu wang changes in the income gap of chinese residents in 2016 yiyong yang and zhenhe chi continual improvements in china s social security system in 2016 fayun wang and wei wu report on education reform and development in china in 2016 lei fan report on the development of china s health care in 2016 lijie fang research report on the new social class in china s megacities based on surveys in beijing shanghai and guangzhou haidong zhang chengchen yang and siqi lai changes in the living conditions of the elderly in urban and rural areas and future trends based on data analysis of four national surveys during the period 2000 2015 haitao wang yu fang and zheng ouyang leisure class status and reading for pleasure yi zhang report on the usage of the internet and social networks in china in 2016 di zhu feng tian and xiaobing wang research report on the chinese public s knowledge of and attitudes

towards genetic modification guangxi he miao liao changhui shi wenxia zhang and yandong zhao research report on the values and belief system of young employees of chinese enterprises chen chen report on the analysis of internet public opinion in china in 2016 huaxin zhu yufeng pan and xiaoran chen progress report on china s rural land property rights reform in 2016 qiang gao report on the situation of food and drug safety in china in 2016 jie luo and hao zhang the state of and new issues in china s environmental protection in 2016 feng jia ke yang huicong zhang shuo tian jingyi huang zijiao zhang and liantong zhou report on the analysis of the situation of public safety in china in 2016 yandong zhou and zhigang gong the status of workers in the supply side structural reform in 2016 jian qiao report on women s development in china in 2016 yunzhu jia statistical overview of china s social development 2016 liping zhang back matter index

Report - Naval Ship Research and Development Center

1961

data management technology is rapidly progressing and with it comes the need for stricter rules that ensure the information being collected is handled appropriately ensuring research integrity and the ethical management of data is an essential resource that examines the best approaches for providing quality research as well as how to effectively manage that information in a reputable way featuring extensive research on relevant topics such as qualitative data collection data sharing data misinterpretation and intellectual property this scholarly publication is an ideal reference source for academicians students and researchers interested in current trends and techniques in ethical research and data management

Mathematical Optimization Theory and Operations Research

2019-06-12

this book project poses a major challenge to japanese science education researchers in order to disseminate research findings on and to work towards maintaining the strength and nature of japanese science education it also presents a unique opportunity to initiate change and or develop science education research in japan it provides some historical reasons essential to japanese students success in international science tests such as timss and pisa also it helps to tap the potential of younger generation of science education researchers by introducing them to methods and designs in the research practice

Cutting Edge Research in Technologies

2015-10-21

the key question this book addresses is how to identify and create optimal conditions for the kind of learning and development that is especially important for effectively functioning in the 21st century taking a new approach to this long debated issue it looks at how a design research based science of learning with its practical models and related design research can provide insights and integrated models of how human beings actually function and grow in the social dynamics of educational settings with all their affordances and constraints more specifically how can specific domains or subject matters be taught for broad intellectual development how can technology be integrated in enhancing human functioning how can the social organization of classroom learning be optimized to create social norms for promoting deep intellectual engagement and personal growth part i is concerned with broad conceptual and technical issues regarding cultivating intellectual potential with a focus on how design research might fill in an important a niche in addressing these issues part ii presents specific design work in terms of design principles models and prototypes

Modern Research Topics in Aerospace Propulsion

2012-12-06

handbook of service user involvement in mental health research in recent years the need for patient and public involvement in medical research has been accepted around the world patient groups are gaining power and demanding their right to influence the direction of research while funding bodies are increasingly regarding patient involvement as a requirement for grant applications however current knowledge on how to involve service users in mental health research is sparse and dispersed this book provides clear guidance on best practice in this area with practical advice based on experience in countries around the world handbook of service user involvement in mental health research describes the background and principles underlying the concept of service user involvement in mental health research it provides relevant practical advice on how to engage with service users and how to build and maintain research collaboration on a professional level the book highlights common practical problems in service user involvement suggesting ways to avoid pitfalls and common difficulties combines the theoretical aspects of service user involvement in research with specific examples as well as with general practical guidelines represents the views of service users in a powerful combination with the views of other mental health professionals considers the different perspectives and needs of the stakeholders concerned includes a step by step guide on best practice in successful service user involvement handbook of service user involvement in mental health research is written for psychiatrists and other medical professionals managing people with psychiatric disorders as well as for researchers in the mental health field who want to develop projects with service user involvement it is vital reading for funding bodies requesting service user involvement and importantly is written for those service users who are interested in becoming involved in research

Computational Modeling and Data Analysis in COVID-19 Research

2021-05-09

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Volume 6**

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in Educational Settings**

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The Practice of Survey Research

2015

Handbook of Service User Involvement in

Mental Health Research

2009-06-22

Studies of High Temperature Superconductors

1989

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2022-08-10

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