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Computing with New Resources Designing and Managing Your Research Project **GATE 2020 Computer Science & Information Technology Guide with 10 Practice Sets (6 in Book + 4 Online) 7th edition** *North Korea and the Science of Provocation* The Science of Evaluation TMS 2013 142nd Annual Meeting and Exhibition **Encyclopedia of Information Science and Technology, Fourth Edition Fat is our Friend** *Applied Data Science* **Computing Handbook, Third Edition** GATE 2019 Computer Science & Information Technology Masterpiece with 10 Practice Sets (6 in Book + 4 Online) 6th edition Handbook of Research on Connecting Research Methods for Information Science Research **Graph-Theoretic Concepts in Computer Science** *Handbook of Milk of Non-Bovine Mammals* **IJER Vol 25-N3 Materials Science and Engineering** **Encyclopedia of Information Science and Technology, Third Edition** **Graph-Theoretic Concepts in Computer Science Information Literacy in Everyday Life** **Semantic Web Technologies** **Handbook of Applications of Chaos Theory** **Sustainability of biogas and cassava-based ethanol value chains in Viet Nam** **Revolutionizing Enterprise Interoperability through Scientific Foundations** Don Pigozzi on Abstract Algebraic Logic, Universal Algebra, and Computer Science *The Resilience Dividend* **Proceedings of the Indian National Science Academy Applied Physics, System Science and Computers III** Discovery Science Computational Science and Its Applications – ICCSA 2021 *Red Meat Science and Production* **Promoting Interdisciplinarity in Knowledge Generation and Problem Solving** *Trends and Applications in Software Engineering* **A Controlled Phase Gate Between a Single Atom and an Optical Photon** **Graphene Science Handbook** **Materials Science and Engineering: Concepts, Methodologies, Tools, and Applications** **Recent Advances in Computational Methods and Clinical Applications for Spine Imaging** An Introduction to the Philosophy of Methodology *China's Space Programme* Doing Excellent Small-Scale Research **Prevention Practice in Primary Care**

IJER Vol 25-N3 Aug 19 2021 The mission of the International Journal of Educational Reform (IJER) is to keep readers up-to-date with worldwide developments in education reform by providing scholarly information and practical analysis from recognized international authorities. As the only peer-reviewed scholarly publication that combines authors' voices without regard for the political affiliations perspectives, or research methodologies, IJER provides readers with a balanced view of all sides of the political and educational mainstream. To this end, IJER includes, but is not limited to, inquiry based and opinion pieces on developments in such areas as policy, administration, curriculum, instruction, law, and research. IJER should thus be of interest to professional educators with decision-making roles and policymakers at all levels turn since it provides a broad-based conversation between and among policymakers, practitioners, and academicians about reform goals, objectives, and methods for success throughout the world. Readers can call on IJER to learn from an international group of reform implementers by discovering what they can do that has actually worked. IJER can also help readers to understand the pitfalls of current reforms in order to avoid making similar mistakes. Finally, it is the mission of IJER to help readers to learn about key issues in school reform from movers and shakers who help to study and shape the power base directing educational reform in the U.S. and the world.

Handbook of Milk of Non-Bovine Mammals Sep 19 2021 THE ONLY SINGLE-SOURCE GUIDE TO THE LATEST SCIENCE, NUTRITION, AND APPLICATIONS OF ALL THE NON-BOVINE MILKS CONSUMED AROUND THE WORLD Featuring contributions by an international team of dairy and nutrition experts, this second edition of the popular Handbook of Milk of Non-Bovine Mammals provides comprehensive coverage of milk and dairy products derived from all non-bovine dairy species. Milks derived from domesticated dairy species other than the cow are an essential dietary component for many countries around the world. Especially in developing and under-developed countries, milks from secondary dairy species are essential sources of nutrition for the humanity. Due to the unavailability of cow milk and the low consumption of meat, the milks of non-bovine species such as goat, buffalo, sheep, horse, camel, Zebu, Yak, mare and reindeer are critical daily food sources of protein, phosphate and calcium. Furthermore, because of hypoallergenic properties of certain species milk including goats, mare and camel are increasingly recommended as substitutes in diets for those who suffer from cow milk allergies. This book: Discusses key aspects of non-bovine milk production, including raw milk production in various regions worldwide Describes the compositional, nutritional, therapeutic, physio-chemical, and microbiological characteristics of all non-bovine milks Addresses processing technologies as well as various approaches to the distribution and consumption of manufactured milk products Expounds characteristics of non-bovine species milks relative to those of human milk, including nutritional, allergenic, immunological, health and cultural factors. Features six new chapters, including one focusing on the use of non-bovine species milk components in the manufacture of infant formula products Thoroughly updated and revised to reflect the many advances that have occurred in the dairy industry since the publication of the acclaimed first edition, Handbook of Milk of Non-Bovine Mammals, 2nd Edition is an essential reference for dairy scientists, nutritionists, food chemists, animal scientists, allergy specialists, health professionals, and allied professionals.

Encyclopedia of Information Science and Technology, Fourth Edition Apr 26 2022 In recent years, our world has experienced a profound shift and progression in available computing and knowledge sharing innovations. These emerging advancements have developed at a rapid pace, disseminating into and affecting numerous aspects of contemporary society. This has created a pivotal need for an innovative compendium encompassing the latest trends, concepts, and issues surrounding this relevant discipline area. During the past 15 years, the Encyclopedia of Information Science and Technology has become recognized as one of the landmark sources of the latest knowledge and discoveries in this discipline. The Encyclopedia of Information Science and Technology, Fourth Edition is a 10-volume set which includes 705 original and previously unpublished research articles covering a full range of perspectives, applications, and techniques contributed by thousands of experts and researchers from around the globe. This authoritative encyclopedia is an all-encompassing, well-established reference source that is ideally designed to disseminate the most forward-thinking and diverse research findings. With critical perspectives on the impact of information science management and new technologies in modern settings, including but not limited to computer science, education, healthcare, government, engineering, business, and natural and physical sciences, it is a pivotal and relevant source of knowledge that will benefit every professional within the field of information science and technology and is an invaluable addition to every academic and corporate library.

Designing and Managing Your Research Project Oct 01 2022 Written for advanced undergraduate students, postgraduate students planning theses and dissertations and other early career researchers, Designing and Managing Your Research Project helps you successfully plan and

complete your research project by showing the key skills that you will need. The book covers: " choosing research methods " developing research objectives " writing proposals " literature reviews " getting ethics approval " seeking funding " managing a project " software skills " working with colleagues and supervisors " communicating research findings " writing reports, theses and journal articles " careers in research. Designing and Managing Your Research Project includes lots of examples, case studies and practical exercises to help you learn the research skills you will need and also to help you complete crucial project tasks. A key feature is its user-friendly guidance on planning projects and accessing information from the Internet.

Graph-Theoretic Concepts in Computer Science May 16 2021 This book constitutes the thoroughly refereed post-conference proceedings of the 40th International Workshop on Graph-Theoretic Concepts in Computer Science, WG 2014, held in Nouan-le-Fuzelier, France, in June 2014. The 32 revised full papers presented were carefully reviewed and selected from 80 submissions. The book also includes two invited papers. The papers cover a wide range of topics in graph theory related to computer science, such as design and analysis of sequential, parallel, randomized, parameterized and distributed graph and network algorithms; structural graph theory with algorithmic or complexity applications; computational complexity of graph and network problems; graph grammars, graph rewriting systems and graph modeling; graph drawing and layouts; computational geometry; random graphs and models of the web and scale-free networks; and support of these concepts by suitable implementations and applications.

Handbook of Research on Connecting Research Methods for Information Science Research Nov 21 2021 In today's globalized world, viable and reliable research is fundamental for the development of information. Innovative methods of research have begun to shed light on notable issues and concerns that affect the advancement of knowledge within information science. Building on previous literature and exploring these new research techniques are necessary to understand the future of information and knowledge. The Handbook of Research on Connecting Research Methods for Information Science Research is a collection of innovative research on the methods and application of study methods within library and information science. While highlighting topics including data management, philosophical foundations, and quantitative methodology, this book is ideally designed for librarians, information science professionals, policymakers, advanced-level students, researchers, and academicians seeking current research on transformative methods of research within information science.

The Science of Evaluation Jun 28 2022 Evaluation researchers are tasked with providing the evidence to guide programme building and to assess its outcomes. As such, they labour under the highest expectations - bringing independence and objectivity to policy making. They face huge challenges, given the complexity of modern interventions and the politicised backdrop to all of their investigations. They have responded with a huge portfolio of research techniques and, through their professional associations, have set up schemes to establish standards for evaluative inquiry and to accredit evaluation practitioners. A big question remains. Has this monumental effort produced a progressive, cumulative and authoritative body of knowledge that we might think of as evaluation science? This is the question addressed by Ray Pawson in this sequel to Realistic Evaluation and Evidence-based Policy. In answer, he provides a detailed blueprint for an evaluation science based on realist principles.

Recent Advances in Computational Methods and Clinical Applications for Spine Imaging Oct 28 2019 This book contains the full papers presented at the MICCAI 2014 workshop on Computational Methods and Clinical Applications for Spine Imaging. The workshop brought together scientists and clinicians in the field of computational spine imaging. The chapters included in this book present and discuss the new advances and challenges in these fields, using several methods and techniques in order to address more efficiently different and timely applications involving signal and image acquisition, image processing and analysis, image segmentation, image registration and fusion, computer simulation, image based modeling, simulation and surgical planning, image guided robot assisted surgical and image based diagnosis. The book also includes papers and reports from the first challenge on vertebra segmentation held at the workshop.

Semantic Web Technologies Mar 14 2021 Semantic web technologies (SWTs) offer the richest machine-interpretable (rather than just machine-processable) and explicit semantics that are being extensively used in various domains and industries. This book provides a roadmap for semantic web technologies (SWTs) and highlights their role in a wide range of domains including cloud computing, Internet of Things, big data, sensor network, and so forth. It also explores the prospects of these technologies including different data interchange formats, query languages, ontologies, Linked Data, and notations. The role of SWTs in 'epidemic Covid-19', 'e-learning platforms and systems', 'block chain', 'open online courses', and 'visual analytics in healthcare' is described as well. This book: Explores all the critical aspects of semantic web technologies (SWTs) Discusses the impact of SWTs on cloud computing, Internet of Things, big data, and sensor network Offers a comprehensive examination of the emerging research in the areas of SWTs and their related domains Provides a template to develop a wide range of smart and intelligent applications Includes latest applications and examples with real data This book is aimed at researchers and graduate students in computer science, informatics, web technology, cloud computing, and Internet of Things.

Computing Handbook, Third Edition Jan 24 2022 Computing Handbook, Third Edition: Computer Science and Software Engineering mirrors the modern taxonomy of computer science and software engineering as described by the Association for Computing Machinery (ACM) and the IEEE Computer Society (IEEE-CS). Written by established leading experts and influential young researchers, the first volume of this popular handbook examines the elements involved in designing and implementing software, new areas in which computers are being used, and ways to solve computing problems. The book also explores our current understanding of software engineering and its effect on the practice of software development and the education of software professionals. Like the second volume, this first volume describes what occurs in research laboratories, educational institutions, and public and private organizations to advance the effective development and use of computers and computing in today's world. Research-level survey articles provide deep insights into the computing discipline, enabling readers to understand the principles and practices that drive computing education, research, and development in the twenty-first century.

Materials Science and Engineering Jul 18 2021 This book has an important role in advancing non-classical materials on the macro and nanoscale. The book provides original, theoretical, and important experimental results. Some research uses non-routine methodologies often unfamiliar to some readers. Furthermore, papers on novel applications of more familiar experimental techniques and analyses o

Trends and Applications in Software Engineering Mar 02 2020 This book offers a selection of papers from the 2016 International Conference on Software Process Improvement (CIMPS'16), held between the 12th and 14th of October 2016 in Aguascalientes, Aguascalientes, México. The CIMPS'16 is a global forum for researchers and practitioners to present and discuss the most recent innovations, trends, results, experiences and concerns in the different aspects of software engineering with a focus on, but not limited to, software processes, security in information and communication technology, and big data. The main topics covered include: organizational models, standards and methodologies, knowledge management, software systems, applications and tools, information and communication technologies and processes in non-software domains (mining, automotive, aerospace, business, health care, manufacturing, etc.) with a clear focus on software process challenges.

Sustainability of biogas and cassava-based ethanol value chains in Viet Nam Jan 12 2021 This report presents the results of the implementation of the GBEP indicators to two key bioenergy pathways in Viet Nam: cassava-based ethanol and biogas at household, farm and

industrial levels. The environmental, social and economic impacts of these two pathways are discussed, and recommendations are provided on how to improve their sustainability, efficiency and competitiveness. This work provided Viet Nam with an understanding of how to establish the means of a long-term, periodic monitoring of its domestic bioenergy sector based on the GBEP indicators. Such periodic monitoring would enhance the knowledge and understanding of this sector and more generally of the way in which the contribution of the agricultural and energy sectors to national sustainable development could be evaluated. The implementation of the GBEP indicators in Viet Nam also provided a series of lessons learnt about how to apply them as a tool for sustainable development and how to enhance their practicality.

Doing Excellent Small-Scale Research Jul 26 2019 How do you conduct a small-scale research project? And how do you make it excellent? In this inspiring and engaging book, readers are presented with the key principles and practices of small-scale research. In addition, the book provides a peerless introduction to the key features involved in the process of research design and practice. Written in a clear, accessible way and drawing on exciting up-to-date examples, this book makes for a crucial companion on the way to research excellence. Based on Layder's solid background as a researcher, supervisor and teacher, *Doing Excellent Small-Scale Research*: - Leads the researcher through the actual process of doing a research project from start to finish - Offers a comprehensive outline of general areas and issues such as preparation and planning, developing research questions, interviewing and sampling - Reflects upon research as a social and human process - Provides systematic guidelines and advice above and beyond technical essentials. This book will be invaluable to both students and researchers interested in social interaction - informing, guiding and inspiring them towards excellent small-scale research.

China's Space Programme Aug 26 2019 This book comprehensively covers the history and current developments of space programme of China. It presents the complete story of China's space program from its origins through to present day activities on the International Space Station. This monograph further discusses the role of China's space strategy in its emergence as a major power on the world stage. The book also presents the context of China's space program within the larger narrative of international space development. The book binds together the diverse political, military, economic and technology aspects into a coherent understanding and explains their role in the establishment and growth of Chinese space programme. Given the contents, this book will be a valuable source of information for students, researchers, and historians in the area of space studies.

Proceedings of the Indian National Science Academy Sep 07 2020

Materials Science and Engineering: Concepts, Methodologies, Tools, and Applications Nov 29 2019 The design and study of materials is a pivotal component to new discoveries in the various fields of science and technology. By better understanding the components and structures of materials, researchers can increase its applications across different industries. *Materials Science and Engineering: Concepts, Methodologies, Tools, and Applications* is a compendium of the latest academic material on investigations, technologies, and techniques pertaining to analyzing the synthesis and design of new materials. Through its broad and extensive coverage on a variety of crucial topics, such as nanomaterials, biomaterials, and relevant computational methods, this multi-volume work is an essential reference source for engineers, academics, researchers, students, professionals, and practitioners seeking innovative perspectives in the field of materials science and engineering.

Promoting Interdisciplinarity in Knowledge Generation and Problem Solving Apr 02 2020 Interdisciplinary research is a method that has become efficient in accelerating scientific discovery. The integration of such processes in problem solving and knowledge generation is a vital part of learning and instruction. *Promoting Interdisciplinarity in Knowledge Generation and Problem Solving* is a pivotal reference source for the latest scholarly research on interdisciplinary projects from around the world, highlighting the broad range of circumstances in which this approach can be effectively used to solve problems and generate new knowledge. Featuring coverage on a number of topics and perspectives such as industrial design, ethnographic methods, and methodological pluralism, this publication is ideally designed for academicians, researchers, and students seeking current research on the promotion of interdisciplinarity for knowledge production.

Computing with New Resources Nov 02 2022 Professor Jozef Gruska is a well known computer scientist for his many and broad results. He was the father of theoretical computer science research in Czechoslovakia and among the first Slovak programmers in the early 1960s. Jozef Gruska introduced the descriptive complexity of grammars, automata, and languages, and is one of the pioneers of parallel (systolic) automata. His other main research interests include parallel systems and automata, as well as quantum information processing, transmission, and cryptography. He is co-founder of four regular series of conferences in informatics and two in quantum information processing and the Founding Chair (1989-96) of the IFIP Specialist Group on Foundations of Computer Science.

A Controlled Phase Gate Between a Single Atom and an Optical Photon Jan 30 2020 This thesis reports on major steps towards the realization of scalable quantum networks. It addresses the experimental implementation of a deterministic interaction mechanism between flying optical photons and a single trapped atom. In particular, it demonstrates the nondestructive detection of an optical photon. To this end, single rubidium atoms are trapped in a three-dimensional optical lattice at the center of an optical cavity in the strong coupling regime. Full control over the atomic state — its position, its motion, and its electronic state — is achieved with laser beams applied along the resonator and from the side. When faint laser pulses are reflected from the resonator, the combined atom-photon state acquires a state-dependent phase shift. In a first series of experiments, this is employed to nondestructively detect optical photons by measuring the atomic state after the reflection process. Then, quantum bits are encoded in the polarization of the laser pulse and in the Zeeman state of the atom. The state-dependent phase shift mediates a deterministic universal quantum gate between the atom and one or two successively reflected photons, which is used to generate entangled atom-photon, atom-photon-photon, and photon-photon states out of separable input states.

Applied Physics, System Science and Computers III Aug 07 2020 This book reports on advanced theories and methods in three related fields of research: applied physics, system science and computers. The first part covers applied physics topics, such as lasers and accelerators; fluid dynamics, optics and spectroscopy, among others. It also addresses astrophysics, security, and medical and biological physics. The second part focuses on advances in computers, such as those in the area of social networks, games, internet of things, deep learning models and more. The third part is especially related to systems science, covering swarm intelligence, smart cities, complexity and more. Advances in and application of computer communication, artificial intelligence, data analysis, simulation and modeling are also addressed. The book offers a collection of contributions presented at the 3rd International Conference on Applied Physics, System Science and Computers (APSAC), held in Dubrovnik, Croatia on September 26–28, 2018. Besides presenting new methods, it is also intended to promote collaborations between different communities working on related topics at the interface between physics, computer science and engineering.

North Korea and the Science of Provocation Jul 30 2022 Why does North Korea routinely turn to provocation to achieve foreign policy goals? Are the actions of the volatile Kim regime predictable, based on logical responses to the conditions faced by North Korea? This book, an examination of the "Hermit Kingdom" over the past 50 years, explains why the Democratic People's Republic of Korea uses hostility and coercion as instruments of foreign policy. Using three case studies and quantitative analysis of more than 2,000 conflict events, the author explores the relationship between North Korea's societal conditions and its propensity for external conflict. These findings are considered in light of diversionary theory, the idea that leaders use external conflict to divert attention from domestic affairs. Analyzing the actions of an

isolated state such as North Korea provides a template for conflict scholarship in general.

Handbook of Applications of Chaos Theory Feb 10 2021 In addition to explaining and modeling unexplored phenomena in nature and society, chaos uses vital parts of nonlinear dynamical systems theory and established chaotic theory to open new frontiers and fields of study. Handbook of Applications of Chaos Theory covers the main parts of chaos theory along with various applications to diverse areas. Expert contributors from around the world show how chaos theory is used to model unexplored cases and stimulate new applications. Accessible to scientists, engineers, and practitioners in a variety of fields, the book discusses the intermittency route to chaos, evolutionary dynamics and deterministic chaos, and the transition to phase synchronization chaos. It presents important contributions on strange attractors, self-exciting and hidden attractors, stability theory, Lyapunov exponents, and chaotic analysis. It explores the state of the art of chaos in plasma physics, plasma harmonics, and overtone coupling. It also describes flows and turbulence, chaotic interference versus decoherence, and an application of microwave networks to the simulation of quantum graphs. The book proceeds to give a detailed presentation of the chaotic, rogue, and noisy optical dissipative solitons; parhelic-like circle and chaotic light scattering; and interesting forms of the hyperbolic prism, the Poincaré disc, and foams. It also covers numerous application areas, from the analysis of blood pressure data and clinical digital pathology to chaotic pattern recognition to economics to musical arts and research.

GATE 2020 Computer Science & Information Technology Guide with 10 Practice Sets (6 in Book + 4 Online) 7th edition Aug 31 2022

- GATE Computer Science & Information Technology Guide 2020 with 10 Practice Sets - 6 in Book + 4 Online Tests - 7th edition contains exhaustive theory, past year questions, practice problems and 10 Mock Tests.
- Covers past 15 years questions.
- Exhaustive EXERCISE containing 100-150 questions in each chapter. In all contains around 5250 MCQs.
- Solutions provided for each question in detail.
- The book provides 10 Practice Sets - 6 in Book + 4 Online Tests designed exactly on the latest pattern of GATE exam.

Graphene Science Handbook Dec 31 2019 Size Up the Short- and Long-Term Effects of GrapheneThe Graphene Science Handbook is a six-volume set that describes graphene's special structural, electrical, and chemical properties. The book considers how these properties can be used in different applications (including the development of batteries, fuel cells, photovoltaic cells, and supercapac

Don Pigozzi on Abstract Algebraic Logic, Universal Algebra, and Computer Science Nov 09 2020 This book celebrates the work of Don Pigozzi on the occasion of his 80th birthday. In addition to articles written by leading specialists and his disciples, it presents Pigozzi's scientific output and discusses his impact on the development of science. The book both catalogues his works and offers an extensive profile of Pigozzi as a person, sketching the most important events, not only related to his scientific activity, but also from his personal life. It reflects Pigozzi's contribution to the rise and development of areas such as abstract algebraic logic (AAL), universal algebra and computer science, and introduces new scientific results. Some of the papers also present chronologically ordered facts relating to the development of the disciplines he contributed to, especially abstract algebraic logic. The book offers valuable source material for historians of science, especially those interested in history of mathematics and logic.

Encyclopedia of Information Science and Technology, Third Edition Jun 16 2021 "This 10-volume compilation of authoritative, research-based articles contributed by thousands of researchers and experts from all over the world emphasized modern issues and the presentation of potential opportunities, prospective solutions, and future directions in the field of information science and technology"--Provided by publisher.

Revolutionizing Enterprise Interoperability through Scientific Foundations Dec 11 2020 "This book offers information on the latest advancements and research for Enterprise Interoperability knowledge as well as core concepts, theories, and future directions"--

Fat is our Friend Mar 26 2022 'Fat is our Friend' will change the way you think about what you eat. Confused by the nutrition messages coming from governments and health bodies? Confused by the ever-changing advice from our daily newspapers? Join Sammy Pepys in his quest to discover what's really going on and what you can do to eat more healthily ... and lose weight. In that order. Back in 2012, Sammy Pepys just wanted to help his overweight sister-in-law, Katy, avoid a tummy tuck (bariatric surgery), knowing that all previous attempts at dieting had failed. So he developed a plan showing how best to go about things, which she then put into practice. It worked. And it was the first successful diet Katy had ever completed, achieving a 20 kilo weight loss and much-improved blood sugar levels along the way. Having an inquisitive mind, Sammy spent much of the next three years finding out just why Katy's dietary approach had been so successful and why more people are not eating this way. He learned that: We've effectively been brainwashed into thinking fats and oils are bad for us. Healthy fats such as butter, lard, coconut and olive oil facilitate the essential metabolic functions our bodies perform subconsciously day and night. An excess of sugar, refined flour, synthetic additives and those less-desirable vegetable seed oils - aka junk food - is progressively damaging our bodies. Katy's summary? 'Eat more real food, drop starches and sugar, and learn to love full-fat dairy products like cheeses and butter again to lose weight without feeling hungry. I feel energized.'

Graph-Theoretic Concepts in Computer Science Oct 21 2021 This book constitutes the revised selected papers of the 44th International Workshop on Graph-Theoretic Concepts in Computer Science, WG 2018, held in Cottbus, Germany, in June 2018. The 30 full papers presented in this volume were carefully reviewed and selected from 66 submissions. They cover a wide range of areas, aiming at connecting theory and applications by demonstrating how graph-theoretic concepts can be applied in various areas of computer science. Another focus is on presenting recent results and on identifying and exploring promising directions of future research.

Information Literacy in Everyday Life Apr 14 2021 This book constitutes the refereed post-conference proceedings of the 6th European Conference on Information Literacy, ECIL 2018, held in Oulu, Finland, in September 2018. The 58 revised papers included in this volume were carefully reviewed and selected from 241 submissions. The papers cover a wide range of topics in the field of information literacy and focus on information literacy in everyday life. They are organized in the following topical sections: information literacy in different contexts of everyday life; information literacy, active citizenship and community engagement; information literacy, health and well-being; workplace information literacy and employability; information literacy research and information literacy in theoretical context; information seeking and information behavior; information literacy for different groups in different cultures and countries; information literacy for different groups in different cultures and countries; information literacy instruction; information literacy and aspects of education; data literacy and reserach data management; copyright literacy; information literacy and lifelong learning.

Discovery Science Jul 06 2020 This book constitutes the proceedings of the 20th International Conference on Discovery Science, DS 2017, held in Kyoto, Japan, in October 2017, co-located with the International Conference on Algorithmic Learning Theory, ALT 2017. The 18 revised full papers presented together with 6 short papers and 2 invited talks in this volume were carefully reviewed and selected from 42 submissions. The scope of the conference includes the development and analysis of methods for discovering scientific knowledge, coming from machine learning, data mining, intelligent data analysis, big data analysis as well as their application in various scientific domains. The papers are organized in topical sections on machine learning: online learning, regression, label classification, deep learning, feature selection, recommendation system; and knowledge discovery: recommendation system, community detection, pattern mining, misc.

The Resilience Dividend Oct 09 2020 New York. Athens. Wenzhou. Boston. Oslo. Dhaka. New Orleans. Nairobi. In recent years, dozens of cities across the globe have been hit by large-scale catastrophes of every kind: natural disaster, geopolitical conflict, food shortages, disease

and contagion, terrorist attacks. If you haven't been directly touched by one of these cataclysms yourself, in our interconnected world you are sure to have been affected in some way. They harm vulnerable individuals, destabilise communities and threaten organisations and even whole societies. We are at greater risk than ever from city-wide catastrophe, and as the severity and frequency of these disasters increase, we must become better at preparing for, responding to and recovering from them. Be it Haiti's dependence on humanitarian aid, the rebuilding effort after the Great Fire of Manhattan or the reason why more girls than boys drowned in Japan's 2011 tsunami, *The Resilience Dividend* combines vivid stories with practical insights (such as how to disaster-proof a building) and ground-breaking research to help build a radical future in which individuals, companies and entire societies face disaster by creating more dynamic, more resilient cities.

Applied Data Science Feb 22 2022 This book has two main goals: to define data science through the work of data scientists and their results, namely data products, while simultaneously providing the reader with relevant lessons learned from applied data science projects at the intersection of academia and industry. As such, it is not a replacement for a classical textbook (i.e., it does not elaborate on fundamentals of methods and principles described elsewhere), but systematically highlights the connection between theory, on the one hand, and its application in specific use cases, on the other. With these goals in mind, the book is divided into three parts: Part I pays tribute to the interdisciplinary nature of data science and provides a common understanding of data science terminology for readers with different backgrounds. These six chapters are geared towards drawing a consistent picture of data science and were predominantly written by the editors themselves. Part II then broadens the spectrum by presenting views and insights from diverse authors – some from academia and some from industry, ranging from financial to health and from manufacturing to e-commerce. Each of these chapters describes a fundamental principle, method or tool in data science by analyzing specific use cases and drawing concrete conclusions from them. The case studies presented, and the methods and tools applied, represent the nuts and bolts of data science. Finally, Part III was again written from the perspective of the editors and summarizes the lessons learned that have been distilled from the case studies in Part II. The section can be viewed as a meta-study on data science across a broad range of domains, viewpoints and fields. Moreover, it provides answers to the question of what the mission-critical factors for success in different data science undertakings are. The book targets professionals as well as students of data science: first, practicing data scientists in industry and academia who want to broaden their scope and expand their knowledge by drawing on the authors' combined experience. Second, decision makers in businesses who face the challenge of creating or implementing a data-driven strategy and who want to learn from success stories spanning a range of industries. Third, students of data science who want to understand both the theoretical and practical aspects of data science, vetted by real-world case studies at the intersection of academia and industry.

GATE 2019 Computer Science & Information Technology Masterpiece with 10 Practice Sets (6 in Book + 4 Online) 6th edition Dec 23 2021

- GATE Computer Science & Information Technology Masterpiece 2019 with 10 Practice Sets - 6 in Book + 4 Online Tests - 6th edition contains exhaustive theory, past year questions, practice problems and 10 Mock Tests.
- Covers past 14 years questions.
- Exhaustive EXERCISE containing 100-150 questions in each chapter. In all contains around 5200 MCQs.
- Solutions provided for each question in detail.
- The book provides 10 Practice Sets - 6 in Book + 4 Online Tests designed exactly on the latest pattern of GATE exam.

Computational Science and Its Applications – ICCSA 2021 Jun 04 2020 The ten-volume set LNCS 12949 – 12958 constitutes the proceedings of the 21st International Conference on Computational Science and Its Applications, ICCSA 2021, which was held in Cagliari, Italy, during September 13 – 16, 2021. The event was organized in a hybrid mode due to the Covid-19 pandemic. The 466 full and 18 short papers presented in these proceedings were carefully reviewed and selected from 1588 submissions. The books cover such topics as multicore architectures, mobile and wireless security, sensor networks, open source software, collaborative and social computing systems and tools, cryptography, human computer interaction, software design engineering, and others. Part II of the set follows two general tracks: geometric modeling, graphics and visualization; advanced and emerging applications. Further sections include the proceedings of the workshops: International Workshop on Advanced Transport Tools and Methods (A2TM 2021); International Workshop on Advances in Artificial Intelligence Learning Technologies: Blended Learning, STEM, Computational Thinking and Coding (AAILT 2021); International Workshop on Advancements in Applied Machine-learning and Data Analytics (AAMDA 2021). At the end of the book there is a block of short papers. The chapter "Spatial justice models: an exploratory analysis on fair distribution of opportunities" is published open access under a CC BY license (Creative Commons Attribution 4.0 International License). /div

TMS 2013 142nd Annual Meeting and Exhibition May 28 2022 Presenting papers from the 2013 annual meeting of The Minerals, Metals & Materials Society (TMS), this volume covers developments in all aspects of high temperature electrochemistry, from the fundamental to the empirical and from the theoretical to the applied.

Red Meat Science and Production May 04 2020 This book comprehensively describes the biological underpinnings of red meat production, discussing the current state of the science in the context of the provision of red meat products perceived by consumers to offer a quality eating experience. Covering advances in the science of red meat production, it focuses on production system elements that affect product quality. The chapters explore the latest developments in the determination of consumer preferences, and interpret of these preferences in terms of quality characteristics of red meat, investigating the science-based orchestration of red meat production to achieve product consistency. The book highlights topics such as consumer preferences, the biological and production system elements affecting red meat safety, and the intrinsic (appearance, aroma, and sensory quality) and extrinsic (humane animal and environmentally friendly production) characteristics of red meat. For each characteristic, it discusses the underlying biological and biochemical processes and examines means of altering production systems to impact consumer eating experiences. The book also features a perspective on creating holistic integrated systems for producing red meats to meet consumers' expectations around the globe. Written by leading authorities in the area of global red meat production systems, it is a comprehensive resource for consumer-oriented red meat producers.

Prevention Practice in Primary Care Jun 24 2019 Amid the ongoing changes in how health care is administered and financed, prevention-oriented care is a critical and cost-effective method for improving population health through primary care. As the key figure in promoting patients' health and prevention of disease, the primary care provider can play a major role in patient engagement, self-management, and behavior change. *Prevention Practice in Primary Care* systematically explores state-of-the-art practical approaches to effective prevention in primary care. Guided by theory and evidence, the book reviews approaches to risk factor identification and modification for the major causes of mortality in adulthood, including cancer, stroke, and cardiovascular disease. Topical coverage in this book includes: · the practical applications of genomics and proteomics to personalizing prevention · transformative approaches to practice change, including the patient-centered medical home, academic detailing, and practice facilitation · Engaging self-management and behavior change using counseling tools (goal setting, assessing the stage of change, motivational interviewing, and the five A's) *Prevention Practice in Primary Care* is a vital, practical guidebook for the implementation of evidence-based prevention to improve patient health. Brief, simple summaries and innovative content make it book a valuable reference for busy practitioners and students alike.

An Introduction to the Philosophy of Methodology Sep 27 2019 This book provides students with a concise introduction to the philosophy of methodology. The book stands apart from existing methodology texts by clarifying in a student-friendly and engaging way distinctions

between philosophical positions, paradigms of inquiry, methodology and methods. Building an understanding of the relationships and distinctions between philosophical positions and paradigms is an essential part of the research process and integral to deploying the methodology and methods best suited for a research project, thesis or dissertation. Aided throughout by definition boxes, examples and exercises for students, the book covers topics such as: - Positivism and Post-positivism - Phenomenology - Critical Theory - Constructivism and Participatory Paradigms - Post-Modernism and Post-Structuralism - Ethnography - Grounded Theory - Hermeneutics - Foucault and Discourse This text is aimed at final-year undergraduates and post-graduate research students. For more experienced researchers developing mixed methodological approaches, it can provide a greater understanding of underlying issues relating to unfamiliar techniques.