

Rdc Cet Model Papers

Language in Action demonstrates the viability of mathematical research into the foundations of categorial grammar, a topic at the border between logic and linguistics. Since its initial publication it has become the classic work in the foundations of categorial grammar. A new introduction to this paperback edition updates the open research problems and records relevant results through pointers to the literature. Van Benthem presents the categorial processing of syntax and semantics as a central component in a more general dynamic logic of information flow, in tune with computational developments in artificial intelligence and cognitive science. Using the paradigm of categorial grammar, he describes the substructural logics driving the dynamics of natural language syntax and semantics. This is a general type-theoretic approach that lends itself easily to proof-theoretic and semantic studies in tandem with standard logic. The emphasis is on a broad landscape of substructural categorial logics and their proof-theoretical and semantic peculiarities. This provides a systematic theory for natural language understanding, admitting of significant mathematical results. Moreover, the theory makes possible dynamic interpretations that view natural languages as programming formalisms for various cognitive activities.

A quarterly journal of the Council for the Development of Economic and Social Research in Africa = Revue trimestrielle du conseil pour le développement de la recherche économique et sociale en Afrique.

Designed as a text for the students of various engineering streams such as electronics/electrical engineering, electronics and communication engineering, computer science and engineering, IT, instrumentation and control and mechanical engineering, this well-written text provides an introduction to electronic devices and circuits. It introduces to the readers electronic circuit analysis and design techniques with emphasis on the operation and use of semiconductor devices. It covers principles of operation, the characteristics and applications of fundamental electronic devices such as p-n junction diodes, bipolar junction transistors (BJTs), and field effect transistors (FETs), and special purpose diodes and transistors. In its second edition, the book includes a new chapter on "special purpose devices". What distinguishes this text is that it explains the concepts and applications of the subject in such a way that even an average student will be able to understand working of electronic devices, analyze, design and simulate electronic circuits. This comprehensive book provides:

- A large number of solved examples.
- Summary highlighting the important points in the chapter.
- A number of Review Questions at the end of each chapter.
- A fairly large number of unsolved problems with answers.

This book is both a reference for engineers and scientists and a teaching resource, featuring tutorial chapters and research papers on feature extraction. Until now there has been insufficient consideration of feature selection algorithms, no unified presentation of leading methods, and no systematic comparisons.

Popular among university applicants and their advisers alike, these guides presents a wide range of information on a specific degree discipline, laid out in tabular format enabling at-a-glance course comparison.

Due to increasing demands for dimensionality reduction, research on feature selection has deeply and widely expanded into many fields, including computational statistics, pattern recognition, machine learning, data mining, and knowledge discovery. Highlighting current research issues, Computational Methods of Feature Selection introduces the basic concepts and principles, state-of-the-art algorithms, and novel applications of this tool. The book begins by exploring unsupervised, randomized, and causal feature selection. It then reports on some recent results of empowering feature selection, including active feature selection, decision-border estimate, the use of ensembles with independent probes, and incremental feature selection. This is followed by discussions of weighting and local methods, such as the ReliefF family, k-means clustering, local feature relevance, and a new interpretation of Relief. The book subsequently covers text classification, a new feature selection score, and both constraint-guided and aggressive feature selection. The final section examines applications of feature selection in bioinformatics, including feature construction as well as redundancy-, ensemble-, and penalty-based feature selection. Through a clear, concise, and coherent presentation of topics, this volume systematically covers the key concepts, underlying principles, and inventive applications of feature selection, illustrating how this powerful tool can efficiently harness massive, high-dimensional data and turn it into valuable, reliable information.

A comprehensive study of secession from an international law perspective.

How much do we know about what makes people thrive and societies flourish? While a vast body of research has been dedicated to understanding problems and disorders, we know remarkably little about the positive aspects of life, the things that make life worth living. This landmark volume heralds the emergence of a new field of science that endeavours to understand how individuals and societies thrive and flourish, and how this new knowledge can be applied to foster happiness, health and fulfillment, and institutions that encourage the development of these qualities. Taking a dynamic, cross-disciplinary approach, it sets out to explore the most promising routes to well-being, derived from the latest research in psychology, neuroscience, social science, economics and the effects of our natural environment. Designed for a general readership, this volume is of compelling interest to all those in the social, behavioural and biomedical sciences, the caring professions and policy makers. It provides a stimulating overview for any reader with a serious interest in the latest insights and strategies for enhancing our individual well-being, or the well-being of the communities in which we live and work.

Managing Cover Crops Profitably (3rd Ed.)DIANE Publishing

Works of Dr. Shiyali Ramamrita Ranganathan (S.R. Ranganathan) need no introduction. They are renowned not because they cover certain facet of library and information science, but because they have been written by the father of library science in india, Dr. Ranganathan. These library science classics have been reprinted to make Dr. Ranganathan's work available to the current generation of librarians and for those to come. The book is a remarkable illustration of the application of systems analysis, study of work flow, and time and motion study to libraries. It also illustrates the need for the library manager and management to pay attention to the minutiae of library work and at the same to have a holistic view of library's functions. It is only very appropriate that Ranganathan provides an extract from the 'Mother' (page 66-72) by the mystic Shri Aurobindo to support this holistic approach to library administration.

Innovations and Emerging Technologies in Wound Care is a pivotal book on the prevention and management of chronic and non-healing wounds. The book clearly presents the research and evidence that should be considered when planning care interventions to improve health related outcomes for patients. New and emerging technologies are discussed and identified, along with tactics on how they can be integrated into clinical practice. This book offers readers a bridge between biomedical engineering and medicine, with an emphasis on technological innovations. It includes contributions from engineers, scientists, clinicians and industry professionals. Users will find this resource to be a complete picture of the latest knowledge on the tolerance of human tissues to sustained mechanical and thermal loads that also provides a deeper understanding of the risk for onset and development of chronic wounds. Describes the state-of-knowledge in wound research, including tissue damage cascades and healing processes Covers all state-of-the-art technology in wound prevention, diagnosis, prognosis and treatment Discusses emerging research directions and future technology trends in the field of wound prevention and care Offers a bench-to-bedside exploration of the key issues that affect the practice of prevention and management of non-healing wounds

Modern seismology has faced new challenges in the study of earthquakes and their physical characteristics. This volume is dedicated to the use of new approaches and presents a state-of-the-art in historical seismology. Selected historical and recent earthquakes are chosen to document and constrain related seismic parameters using updated methodologies in the macroseismic analysis, field observations of damage distribution and tectonic effects, and modelling of seismic waveforms.

Each volume separately titled: v. 1, Acronyms, initialisms & abbreviations dictionary; v. 2, New acronyms, initialisms & abbreviations (formerly issued independently as New acronyms and initialisms); v. 3, Reverse acronyms, initialisms & abbreviations dictionary (formerly issued independently as Reverse acronyms and initialisms dictionary).

The process of developing predictive models includes many stages. Most resources focus on the modeling algorithms but neglect other critical aspects of the modeling process. This book describes techniques for finding the best representations of predictors for modeling and for finding the best subset of predictors for improving model performance. A variety of example data sets are used to illustrate the techniques along with R programs for reproducing the results.

"This book presents a synthesis of published information on mountain pine beetle (*Dendroctonus ponderosae* Hopkins [Coleoptera: Scolytidae]) biology and management with an emphasis on lodgepole pine (*Pinus contorta* Dougl. ex Loud. var. *latifolia* Engelm.) forests of western Canada. Intended as a reference for researchers as well as forest managers, the book covers three main subject areas: mountain pine beetle biology, management, and socioeconomic concerns. The chapters on biology cover taxonomy, life history and habits, distribution, insect-host tree interactions, development and survival, epidemiology, and outbreak history. The management section covers management strategy, survey and detection, proactive and preventive management, and decision support tools. The chapters on socioeconomic aspects include an economic examination of management programs and the utilization of post-beetle salvage timber in solid wood, panelboard, pulp and paper products."--Publisher's description.

The first guide to compile current research and frontline developments in the science of process intensification (PI), *Re-Engineering the Chemical Processing Plant* illustrates the design, integration, and application of PI principles and structures for the development and optimization of chemical and industrial plants. This volume updates professionals on emerging PI equipment and methodologies to promote technological advances and operational efficacy in chemical, biochemical, and engineering environments and presents clear examples illustrating the implementation and application of specific process-intensifying equipment and methods in various commercial arenas. These proceedings represent the work of contributors to the 4th International Conference on Tourism Research (ICTR 2021), hosted by The School of Hospitality and Tourism, of Polytechnic Institute of Porto, Portugal on 20-21 May 2021. The Conference Co-Chairs are Prof. Cândida Silva, and Prof. Mónica Oliveira and the Programme Chair is Prof. Susana Silva, all from School of Hospitality and Tourism of Polytechnic Institute of Porto (ESHT/P.PORTO), Portugal. ICTR is a well-established event on the academic research calendar and now in its 4th year the key aim remains the opportunity for participants to share ideas and meet the people who hold them. The conference was due to be held at The School of Hospitality and Tourism, of Polytechnic Institute of Porto, Portugal but due to the global Covid-19 pandemic it was moved online to be held as a virtual event. The scope of papers will ensure an interesting two days. The subjects covered illustrate the wide range of topics that fall into this important and ever-growing area of research. The opening keynote presentation is given by Sérgio Guerreiro, Senior Director at Turismo de Portugal & Executive Director on the topic of Data for Destination Management or Innovation. The second day of the conference will open with an address by Professor Antonio Carles, External Auditor and member of the Tequal Advisory Board from the UNWTO Academy, who will talk about Quality of Knowledge Assurance Under the Pandemic. The closing keynote will be delivered by Rita Marques, Secretary of State for Tourism on the topic *Tourism in Portugal During this Difficult Period*. With an initial submission of 130 abstracts, after the double blind, peer review process there are 67 Academic research papers, 5 PhD research papers, 3 Masters Research papers and 1 work-in-progress paper published in these Conference Proceedings. These papers represent research from Austria, Bahrain, Bulgaria, Colombia, Cyprus, Czech Republic, Ecuador, Finland, Ireland, Jamaica, Japan, Oman, Peru, Poland, Portugal, Romania, Russia, Saudi Arabia, Slovakia, South Africa, Spain, The Netherlands, UK and USA.

An examination of the historical narratives surrounding humanitarian intervention, presenting an undogmatic, alternative history of human rights protection.

Spin Dynamics: Basics of Nuclear Magnetic Resonance, Second Edition is a comprehensive and modern introduction which focuses on those essential principles and concepts needed for a thorough understanding of the subject, rather than the practical aspects. The quantum theory of nuclear magnets is presented within a strong physical framework, supported by figures. The book assumes only a basic knowledge of complex numbers and matrices, and provides the reader with numerous worked examples and exercises to encourage understanding. With the explicit aim of carefully developing the subject from the beginning, the text starts with coverage of quarks and nucleons and progresses through to a detailed explanation of several important NMR experiments, including NMR imaging, COSY, NOESY and TROSY. Completely revised and updated, the Second Edition features new material on the properties and distributions of isotopes, chemical shift anisotropy and quadrupolar interactions, Pake patterns, spin echoes, slice selection in NMR imaging, and a complete new chapter on the NMR spectroscopy of quadrupolar nuclei. New appendices have been included on Euler angles, and coherence selection by field gradients. As in the first edition, all material is heavily supported by graphics, much of which is new to this edition. Written for undergraduates and postgraduate students taking a first course in NMR spectroscopy and for those needing an up-to-date account of the subject, this multi-disciplinary book will appeal to chemical, physical, material, life, medical, earth and environmental scientists. The detailed physical insights will also make the book of interest for experienced spectroscopists and NMR researchers.

- An accessible and carefully written introduction, designed to help students to fully understand this complex and dynamic subject
- Takes a multi-disciplinary approach, focusing on basic principles and concepts rather than the more practical aspects
- Presents a strong pedagogical approach throughout, with emphasis placed on individual spins to aid understanding
- Includes numerous worked examples, problems, further reading and additional notes

Praise from the reviews of the First Edition: "This is an excellent book... that many teachers of NMR spectroscopy will cherish... It deserves to be a 'classic' among NMR spectroscopy texts." *NMR IN BIOMEDICINE* "I strongly recommend this book to everyone...it is probably the best modern comprehensive description of the subject." *ANGEWANDTE CHEMIE, INTERNATIONAL EDITION*

This book provides practical guidance for delivering and sustaining value and impact from digital content. Our digital presence has the power to change lives and life opportunities. We must understand digital values to consider how organisational presence within digital cultures can create change. Impact assessment is the tool to foster understanding of how strategic decisions about digital resources may be fostering change within our communities. *Delivering Impact with Digital Resources* focuses on introducing both a mechanism and a way to thinking about strategies and evidence of benefits that extend to impact. Such that, the existence of a digital resource shows measurable outcomes that demonstrate a change in the life or life opportunities of the community. The book proposes an updated Balanced Value Impact Model (BVIM) to enable each memory organization to convincingly argue they are an efficient and effective operation, working in innovative modes with digital resources for the positive social and economic benefit of their communities. Coverage includes: · a guide to using the Balanced Value Impact Model and a wide range of data gathering and evidence based methods · exploration of strategy in the context of digital ecosystems, an attention economy and cultural economics · working with communities and stakeholders to deliver on promises implicit in digital resources/activities · major case studies about Europeana, the Wellcome Trust and the National Gallery of Denmark, amongst others · an exploration of the difference between the attitudes expressed by groups within digital cultures versus the actual behaviours they exhibit using impact exemplars from many sectors and geographies to show how they are explored and applied. Readership: This book will be especially useful for those managing digital presences in libraries, archives, galleries and museums including MA and PhD students studying subjects such as librarianship, information science, museums studies, archival studies, publishing, cultural studies and media studies. Companion website <https://www.bvimodel.org/> featuring additional content, BVI model implementations, adaptations and templates and much

more.

Cover crops slow erosion, improve soil, smother weeds, enhance nutrient and moisture availability, help control many pests and bring a host of other benefits to your farm. At the same time, they can reduce costs, increase profits and even create new sources of income. You'll reap dividends on your cover crop investments for years, since their benefits accumulate over the long term. This book will help you find which ones are right for you. Captures farmer and other research results from the past ten years. The authors verified the info. from the 2nd ed., added new results and updated farmer profiles and research data, and added 2 chap. Includes maps and charts, detailed narratives about individual cover crop species, and chap. about aspects of cover cropping.

"Maurice Bloch is so ferociously smart that one can always enjoy tangling with his ideas, even when—perhaps especially when—one doesn't agree with him. This is an important and provocative book." —Sherry Ortner Columbia University These essays by one of anthropology's most original theorists consider such fundamental questions as: Is cognition language-based? How reliable a guide to memory are people's narratives about themselves? What connects the "social recalling" studied by anthropologists to the "autobiographical memory" studied by psychologists? Now gathered in accessible form for the first time and drawing frequently upon the author's fieldwork among the Zafimaniry of Madagascar for ethnographic examples, the twelve closely linked essays of *How We Think They Think* pose provocative challenges not only to conventional cognitive models but to the basic assumptions that underlie much of ethnography. This book will be read with interest by those who study culture and cognition, ethnographic theory and practice, and the peoples and cultures of Africa.

This collection presents papers on the science, engineering, and technology of shape castings, with contributions from researchers worldwide. Among the topics that are addressed are structure-property-performance relationships, modeling of casting processes, and the effect of casting defects on the mechanical properties of cast alloys.

This publication provides guidelines for the implementation of quality assurance and control programmes concerning the combined medical diagnostic modality of positron emission tomography (PET) and computed tomography (CT). These independent, but complementary, imaging techniques are in frequent and increasing use within the fields of diagnostic imaging, oncology, cardiology and neurology, where they allow physicians to locate and diagnose malignant diseases accurately. This publication establishes guidelines for acceptance testing and routine quality control as necessary for optimal clinical performance. Specific topics of discussion include frameworks for reference values, tolerances and action levels, minimal required configurations with corresponding performance characteristics, and the management of ancillary equipment.

CMH Publication 70-30. Edited by Frank N. Schubert and Theresa L. Kraus. Discusses the United States Army's role in the Persian Gulf War from August 1990 to February 1991. Shows the various strands that came together to produce the army of the 1990s and how that army in turn performed under fire and in the glare of world attention. Retains a sense of immediacy in its approach. Contains maps which were carefully researched and compiled as original documents in their own right. Includes an index.

This book offers a detailed presentation of the principles and practice of life cycle impact assessment. As a volume of the LCA compendium, the book is structured according to the LCIA framework developed by the International Organisation for Standardisation (ISO) passing through the phases of definition or selection of impact categories, category indicators and characterisation models (Classification); calculation of category indicator results (Characterisation); calculating the magnitude of category indicator results relative to reference information (Normalisation); and converting indicator results of different impact categories by using numerical factors based on value-choices (Weighting). Chapter one offers a historical overview of the development of life cycle impact assessment and presents the boundary conditions and the general principles and constraints of characterisation modelling in LCA. The second chapter outlines the considerations underlying the selection of impact categories and the classification or assignment of inventory flows into these categories. Chapters three through thirteen explore all the impact categories that are commonly included in LCIA, discussing the characteristics of each followed by a review of midpoint and endpoint characterisation methods, metrics, uncertainties and new developments, and a discussion of research needs. Chapter-length treatment is accorded to Climate Change; Stratospheric Ozone Depletion; Human Toxicity; Particulate Matter Formation; Photochemical Ozone Formation; Ecotoxicity; Acidification; Eutrophication; Land Use; Water Use; and Abiotic Resource Use. The final two chapters map out the optional LCIA steps of Normalisation and Weighting.

Avoided deforestation can be characterized as the use of financial incentives to reduce rates of deforestation and forest degradation, with much of the focus on forests in tropical countries. While avoided deforestation, as a policy issue, is not new, the current debate in academic and policy circles on including it in future climate change mitigation strategies such as the Clean Development Mechanism is gathering pace – and this debate is only likely to intensify as negotiations continue over what should be included in the successor agreement to the Kyoto Protocol, which is set to expire in 2012. Up until now, however, the debate in terms of the scientific and economic implications of avoided deforestation has not been brought together. This book aims to bring together important research findings in the area along with their policy implications, whilst linking avoided deforestation to political economy as well as to the latest developments in environmental and natural resource economics.

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