

Ranking Tasks For Mechanics Of Materials Pearson

AFHRL-TR.AFHRL-TR.The Semantic Web: Trends and Challenges11th International Conference, ESWC 2014, Anissaras, Crete, Greece, May 25-29, 2014, ProceedingsSpringer

Teaching English to Second Language Learners in Academic Contexts: Reading, Writing, Listening, and Speaking provides the fundamental knowledge that ESL and EFL teachers need to teach the four language skills. This foundational text, written by internationally renowned experts in the field, explains why skills-based teaching is at the heart of effective instruction in English for academic purposes (EAP) contexts. Each of the four main sections of the book helps readers understand how each skill—reading, writing, listening, and speaking—works and explains what research has to say about successful skill performance. Pedagogically focused chapters apply this information to principles for EAP curriculum design and to instructional activities and tasks adaptable in a wide range of language-learning contexts. Options for assessment and the role of digital technologies are considered for each skill, and essential information on integrated-skill instruction is provided. Moving from theory to practice, this teacher-friendly text is an essential resource for courses in TESOL programs, for in-service teacher-training seminars, and for practicing EAP teachers who want to upgrade their teaching abilities and knowledge bases.

Intergenerational predicaments of climate change, over-indebtedness and demographic aging of the Western world population put pressure on future generations. As such, this book explores how corporate and financial social responsibility can leverage intergenerational harmony. The concept of responsibility is shown to underlie the international emergence of Corporate Social Responsibility (CSR), while the book also describes the rise of Socially Responsible Investment (SRI) in the international arena and the intrinsic socio-psychological motives of socially responsible investors. As shown here, in this age of climate change, over-indebtedness and demographic aging, future corporate and financial intergenerational leadership may continue to embrace social responsibility in order to ensure a sustainable future for humankind.

This book constitutes the proceedings of the 14th International Conference on Web Information Systems Engineering, WISE 2013, held in Nanjing, China, in October 2013. The 48 full papers, 29 short papers, and 10 demo and 5 challenge papers, presented in the two-volume proceedings LNCS 8180 and 8181,

were carefully reviewed and selected from 198 submissions. They are organized in topical sections named: Web mining; Web recommendation; Web services; data engineering and database; semi-structured data and modeling; Web data integration and hidden Web; challenge; social Web; information extraction and multilingual management; networks, graphs and Web-based business processes; event processing, Web monitoring and management; and innovative techniques and creations.

Business Problems and Solutions with R, Revised and Expanded Edition

10th China Workshop, CWMT 2014, Macau, China, November 4-6, 2014. Proceedings

New Approaches to Classic Methods

Relevance Ranking for Vertical Search Engines

Methods in Consumer Research, Volume 1

Modelling and Simulation for Autonomous Systems

Conference Proceedings on 5th International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2020

This book constitutes the refereed proceedings of the joint conference on Machine Learning and Knowledge Discovery in Databases: ECML PKDD 2010, held in Barcelona, Spain, in September 2010. The 120 revised full papers presented in three volumes, together with 12 demos (out of 24 submitted demos), were carefully reviewed and selected from 658 paper submissions. In addition, 7 ML and 7 DM papers were distinguished by the program chairs on the basis of their exceptional scientific quality and high impact on the field. The conference intends to provide an international forum for the discussion of the latest high quality research results in all areas related to machine learning and knowledge discovery in databases. A topic widely explored from both ML and DM perspectives was graphs, with motivations ranging from molecular chemistry to social networks.

In plain, uncomplicated language, and using detailed examples to explain the key concepts, models, and algorithms in vertical search ranking, *Relevance Ranking for Vertical Search Engines* teaches readers how to manipulate ranking algorithms to achieve better results in real-world applications. This reference book for professionals covers concepts and theories from the fundamental to the advanced, such as relevance, query intention, location-based relevance ranking, and cross-property ranking. It covers the most recent developments in vertical search ranking applications, such as freshness-based relevance theory for new search applications, location-based relevance theory for local search applications, and cross-property ranking theory for applications involving multiple verticals. Foreword by Ron Brachman, Chief Scientist and Head, Yahoo! Labs Introduces ranking algorithms and teaches readers how to manipulate ranking algorithms for the best results Covers concepts and theories from the fundamental to the advanced Discusses the state of the art: development of theories and practices in vertical search ranking applications Includes detailed examples, case studies and real-world situations

This book constitutes the refereed proceedings of the 11th Extended Semantic Web Conference, ESWC 2014, held in Anissaras, Crete, Greece France, in May 2014. The 50 revised full papers presented together with three invited talks were carefully reviewed and selected from

204 submissions. They are organized in topical sections on mobile, sensor and semantic streams; services, processes and cloud computing; social web and web science; data management; natural language processing; reasoning; machine learning, linked open data; cognition and semantic web; vocabularies, schemas, ontologies. The book also includes 11 papers presented at the PhD Symposium.

This book features Ranking Task exercises - an innovative type of conceptual exercise that challenges readers to make comparative judgments about a set of variations on a particular physical situation. Two-hundred-and-eighteen exercises encourage readers to formulate their own ideas about the behavior of a physical system, correct any misconceptions they may have, and build a better conceptual foundation of physics. Covering as many topic domains in physics as possible, the book contains Kinematics Ranking Tasks, Force Ranking Tasks, Projectile and Other Two-Dimensional Motion Ranking Tasks, Work-Energy Ranking Tasks, Impulse-Momentum Ranking Tasks, Rotation Ranking Tasks, SHM and Properties of Matter Ranking Tasks, Heat and Thermodynamics Ranking Tasks, Electrostatics Ranking Tasks, DC Circuit Ranking Tasks, Magnetism and Electromagnetism Ranking Tasks, and Wave and Optics Ranking Tasks. For anyone who wants a better conceptual understanding of the many areas of physics.

European Conference, ECML PKDD 2010, Barcelona, Spain, September 20-24, 2010. Proceedings

A Guide to Data Science

21st International Conference, ILP 2011, Windsor Great Park, UK, July 31 -- August 3, 2011, Revised Selected Papers

AFHRL-TR.

Measures of Health Benefits

Teachers Exploring Tasks in English Language Teaching

Advances in Information Retrieval

Winner - British Council Innovation in English Language Teaching Award 2006 This book was written for language teachers by language teachers, with a view to encouraging readers to use more tasks in their lessons, and to explore for themselves various aspects of task-based teaching and learning. It gives insights into ways in which tasks can be designed, adapted and implemented in a range of teaching contexts and illustrates ways in which tasks and task-based learning can be investigated as a research activity. Practising language teachers and student professionals on MA TESOL/Applied Linguistics courses will find this a rich resource of varied experience in the classroom and a stimulus to their own qualitative studies.

This volume contains the papers selected after a very careful refereeing process for presentation during the Workshop on Job Scheduling Strategies for Parallel Processing, held in Santa Barbara, California, as a prelude to the IPPS '95 conference in April 1995. The 19 full papers presented demonstrate that parallel job scheduling takes on a crucial role as multi-user parallel supercomputers become more widespread. All aspects of job scheduling for parallel systems are covered, from the perspectives of academic research, industrial design of parallel systems, as well as user needs. Of particular interest, also for nonexpert readers, is the introductory paper "Parallel Job Scheduling: Issues and Approaches" by the volume editors.

This book presents Volume 1 of selected research papers presented at the Second International Conference on Digital Technologies and Applications (ICDTA 22), held at Sidi Mohamed Ben Abdellah University, Fez, Morocco, on January 28–39, 2022. This book highlights the latest innovations in digital technologies as: artificial intelligence, Internet of Things, embedded systems, network technology, information processing and their applications in several areas as hybrid vehicles, renewable energy, mechatronics, medicine... This book will encourage and inspire researchers, industry professionals, and policymakers to put these methods into practice.

The goal of text ranking is to generate an ordered list of texts retrieved from a corpus in response to a query. Although the most common formulation of text ranking is search, instances of the task can also be found in many natural language processing (NLP) applications. This book provides an overview of text ranking with neural network architectures known as transformers, of which BERT (Bidirectional Encoder Representations from Transformers) is the best-known example. The combination of transformers and self-supervised pretraining has been responsible for a paradigm shift in NLP, information retrieval (IR), and beyond. This book provides a synthesis of existing work as a single point of entry for practitioners who wish to gain a better understanding of how to apply transformers to text ranking problems and researchers who wish to pursue work in this area. It covers a wide range of modern techniques, grouped into two high-level categories: transformer models that perform reranking in multi-stage architectures and dense retrieval techniques that perform ranking directly. Two themes pervade the book: techniques for handling long documents, beyond typical sentence-by-sentence processing in NLP, and techniques for addressing the tradeoff between effectiveness (i.e., result quality) and efficiency (e.g., query latency, model and index size). Although transformer architectures and pretraining techniques are recent innovations, many aspects of how they are applied to text ranking are relatively well understood and represent mature techniques. However, there remain many open research questions, and thus in addition to laying out the foundations of pretrained transformers for text ranking, this book also attempts to prognosticate where the field is heading.

A Common Sense Approach to Theory and Practice

50 More Practical Strategies for Linking Assessment, Instruction, and Learning

Resource Management for Big Data Platforms

Teaching English to Second Language Learners in Academic Contexts

Web Information Systems Engineering -- WISE 2013

Sources, Impacts, and Solutions

Proceedings of ICDTA'22, Fez, Morocco. Volume 1

The topic of preferences is a new branch of machine learning and data mining, and it has

attracted considerable attention in artificial intelligence research in previous years. It involves learning from observations that reveal information about the preferences of an individual or a class of individuals. Representing and processing knowledge in terms of preferences is appealing as it allows one to specify desires in a declarative way, to combine qualitative and quantitative modes of reasoning, and to deal with inconsistencies and exceptions in a flexible manner. And, generalizing beyond training data, models thus learned may be used for preference prediction. This is the first book dedicated to this topic, and the treatment is comprehensive. The editors first offer a thorough introduction, including a systematic categorization according to learning task and learning technique, along with a unified notation. The first half of the book is organized into parts on label ranking, instance ranking, and object ranking; while the second half is organized into parts on applications of preference learning in multiattribute domains, information retrieval, and recommender systems. The book will be of interest to researchers and practitioners in artificial intelligence, in particular machine learning and data mining, and in fields such as multicriteria decision-making and operations research.

This book constitutes the refereed proceedings of the 10th China Workshop on Machine Translation, CWMT 2014, held in Macau, China, in November 2014. The 10 revised full English papers presented were carefully reviewed and selected from 15 submissions of English papers. The papers cover the following topics: machine translation; data selection; word segmentation; entity recognition; MT evaluation.

The Scandinavian Conference on Artificial Intelligence continues a tradition of being one of the most important regional AI conferences in Europe for ten years now. The topics of this year's contributions have a broad range, from machine learning, knowledge representation, robotics, planning and scheduling, natural language, computer vision, search algorithms, industrial applications, to philosophical foundations. These contributions exemplify the diversity of research in artificial intelligence today and confirm the achievement and magnitude of 25 years AI research in Scandinavia. In this tenth edition there will be an overview of the past, present and future of artificial

intelligence. Furthermore, attention will be paid to the industrial aspects of artificial intelligence and the impressions from Swedish AI through the years. Other topics discussed are biosurveillance and an elaboration on probabilistic modelling and learning in a relational world.

This book constitutes the thoroughly refereed post-proceedings of the 21st International Conference on Inductive Logic Programming, ILP 2011, held in Windsor Great Park, UK, in July/August 2011. The 24 revised full papers were carefully reviewed and selected from 66 submissions. Also included are five extended abstracts and three invited talks. The papers represent the diversity and vitality in present ILP research including ILP theory, implementations, probabilistic ILP, biological applications, sub-group discovery, grammatical inference, relational kernels, learning of Petri nets, spatial learning, graph-based learning, and learning of action models.

6th International Conference, MESAS 2019, Palermo, Italy, October 29–31, 2019, Revised Selected Papers

14th International Conference, Nanjing, China, October 13-15, 2013, Proceedings, Part I
Learning to Rank for Information Retrieval

Digital Technologies and Applications

Job Scheduling Strategies for Parallel Processing

Tenth Scandinavian Conference on Artificial Intelligence

32nd European Conference on IR Research, ECIR 2010, Milton Keynes, UK, March 28-31, 2010.
Proceedings

To succeed with predictive analytics, you must understand it on three levels: Strategy and management Methods and models Technology and code This up-to-the-minute reference thoroughly covers all three categories. Now fully updated, this uniquely accessible book will help you use predictive analytics to solve real business problems and drive real competitive advantage. If you're new to the discipline, it will give you the strong foundation you need to get accurate, actionable results. If you're already a modeler, programmer, or manager, it will teach you crucial skills you don't yet have. Unlike competitive books, this guide illuminates the discipline through realistic vignettes and intuitive data visualizations-not complex math. Thomas W. Miller, leader of Northwestern University's pioneering program in predictive analytics, guides you through defining problems, identifying data,

crafting and optimizing models, writing effective R code, interpreting results, and more. Every chapter focuses on one of today's key applications for predictive analytics, delivering skills and knowledge to put models to work-and maximize their value. Reflecting extensive student and instructor feedback, this edition adds five classroom-tested case studies, updates all code for new versions of R, explains code behavior more clearly and completely, and covers modern data science methods even more effectively. All data sets, extensive R code, and additional examples available for download at <http://www.ftpress.com/miller> If you want to make the most of predictive analytics, data science, and big data, this is the book for you. Thomas W. Miller's unique balanced approach combines business context and quantitative tools, appealing to managers, analysts, programmers, and students alike. Miller addresses multiple business cases and challenges, including segmentation, brand positioning, product choice modeling, pricing research, finance, sports, text analytics, sentiment analysis, and social network analysis. He illuminates the use of cross-sectional data, time series, spatial, and spatio-temporal data. You'll learn why each problem matters, what data are relevant, and how to explore the data you've identified. Miller guides you through conceptually modeling each data set with words and figures; and then modeling it again with realistic R programs that deliver actionable insights. You'll walk through model construction, explanatory variable subset selection, and validation, mastering best practices for improving out-of-sample predictive performance. Throughout, Miller employs data visualization and statistical graphics to help you explore data, present models, and evaluate performance. This edition adds five new case studies, updates all code for the newest versions of R, adds more commenting to clarify how the code works, and offers a more detailed and up-to-date primer on data science methods. Gain powerful, actionable, profitable insights about: Advertising and promotion Consumer preference and choice Market baskets and related purchases Economic forecasting Operations management Unstructured text and language Customer sentiment Brand and price Sports team performance And much more

The Handbook of Choice Modelling, composed of contributions from senior figures in the field, summarizes the essential analytical techniques and discusses the key current research issues. The book opens with Nobel Laureate Daniel McFadden calling for d

The essays in this book address questions about the causes of conflict and its effects.

This book presents the recent research adoption of a variety of enabling wireless communication technologies like RFID tags, BLE, ZigBee, etc., and embedded sensor and actuator nodes, and various protocols like CoAP, MQTT, DNS, etc., that has made Internet of things (IoT) to step out of its infancy to become smart things. Now, smart sensors can collaborate directly with the machine without human involvement to automate decision making or to control a task. Smart technologies including green electronics, green radios, fuzzy neural

approaches, and intelligent signal processing techniques play important roles in the developments of the wearable healthcare systems. In the proceedings of 5th International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2020, brought out research works on the advances in the Internet of things (IoT) and connected technologies (various protocols, standards, etc.). This conference aimed at providing a forum to discuss the recent advances in enabling technologies and applications for IoT.

Handbook of Choice Modelling

33rd European Conference on IR Research, ECIR 2011, Dublin, Ireland, April 18-21, 2011, Proceedings

Conference Summary and White Papers

Valuing Environmental Amenities Using Stated Choice Studies

The Semantic Web: Trends and Challenges

Science Formative Assessment, Volume 2

Marine Debris

This book constitutes the thoroughly refereed post-workshop proceedings of the 6th International Workshop on Modelling and Simulation for Autonomous Systems, MESAS 2019, held in Palermo, Italy, in October 2019. The 22 full papers and 13 short papers included in the volume were carefully reviewed and selected from 53 submissions. They are organized in the following topical sections: M&S of intelligent systems - AI, R&D and application; future challenges of advanced M&S technology; AxS in context of future warfare and security environment (concepts, applications, training, interoperability, etc.).

Health: What Is It Worth?: Measures of Health Benefits is a collection of papers that tackles concerns in health care services and health benefit systems. The title first deals with the measure of health status, along with the policy that governs it and the results of contemporary biomedical research. The text also covers the approaches for the assessment of long-term care. The next part talks about valuing health and health benefits. Next, the selection deals with a method for the computation of the social rate of returns derived from investments in biomedical research. The last part discusses the concerns in health resource allocation. The book will be of great interest to the legislative bodies of governments, health officials, and health professionals.

Deepen scientific understanding with formative assessment! Only by really knowing what your students are thinking can you design learning opportunities that deepen content mastery and meet their individual needs. In this highly engaging resource, internationally respected expert Page Keeley shares 50 new techniques to pinpoint student understanding before, during, and after instruction. In addition to promoting best practices in the classroom, the techniques shared here support learning and link instruction to the Next Generation Science Standards. These flexible assessments can be used with any science curriculum, along with: Practical strategies for use throughout the instruction cycle Considerations for implementation and suggestions for modification An explanation of how each technique promotes learning

Due to the fast growth of the Web and the difficulties in finding desired information, efficient and effective information

retrieval systems have become more important than ever, and the search engine has become an essential tool for many people. The ranker, a central component in every search engine, is responsible for the matching between processed queries and indexed documents. Because of its central role, great attention has been paid to the research and development of ranking technologies. In addition, ranking is also pivotal for many other information retrieval applications, such as collaborative filtering, definition ranking, question answering, multimedia retrieval, text summarization, and online advertisement. Leveraging machine learning technologies in the ranking process has led to innovative and more effective ranking models, and eventually to a completely new research area called "learning to rank". Liu first gives a comprehensive review of the major approaches to learning to rank. For each approach he presents the basic framework, with example algorithms, and he discusses its advantages and disadvantages. He continues with some recent advances in learning to rank that cannot be simply categorized into the three major approaches - these include relational ranking, query-dependent ranking, transfer ranking, and semisupervised ranking. His presentation is completed by several examples that apply these technologies to solve real information retrieval problems, and by theoretical discussions on guarantees for ranking performance. This book is written for researchers and graduate students in both information retrieval and machine learning. They will find here the only comprehensive description of the state of the art in a field that has driven the recent advances in search engine development.

Mathematics Formative Assessment, Volume 2

Machine Translation

Effect of Sorting Procedure on Accuracy of Ordinal Ranking

Corporate and Financial Intergenerational Leadership

Inductive Logic Programming

Preference Learning

Modeling Techniques in Predictive Analytics with Python and R

This book constitutes the refereed proceedings of the 33rd annual European Conference on Information Retrieval Research, ECIR 2011, held in Dublin, Ireland, in April 2010. The 45 revised full papers presented together with 24 poster papers, 17 short papers, and 6 tool demonstrations were carefully reviewed and selected from 223 full research paper submissions and 64 poster/demo submissions. The papers are organized in topical sections on text categorization, recommender systems, Web IR, IR evaluation, IR for Social Networks, cross-language IR, IR theory, multimedia IR, IR applications, interactive IR, and question answering /NLP.

This book provides practical, research-based advice on how to conduct high-quality stated choice studies. It covers every aspect of the topic, from planning and writing the survey, to analyzing results, to evaluating quality. There is no other book on the market today that so thoroughly addresses the methodology of stated choice. Chapters are written by top-notch academics and

practitioners in an accessible style, offering practical, tough advice.

Master predictive analytics, from start to finish Start with strategy and management Master methods and build models Transform your models into highly-effective code—in both Python and R This one-of-a-kind book will help you use predictive analytics, Python, and R to solve real business problems and drive real competitive advantage. You'll master predictive analytics through realistic case studies, intuitive data visualizations, and up-to-date code for both Python and R—not complex math. Step by step, you'll walk through defining problems, identifying data, crafting and optimizing models, writing effective Python and R code, interpreting results, and more. Each chapter focuses on one of today's key applications for predictive analytics, delivering skills and knowledge to put models to work—and maximize their value. Thomas W. Miller, leader of Northwestern University's pioneering program in predictive analytics, addresses everything you need to succeed: strategy and management, methods and models, and technology and code. If you're new to predictive analytics, you'll gain a strong foundation for achieving accurate, actionable results. If you're already working in the field, you'll master powerful new skills. If you're familiar with either Python or R, you'll discover how these languages complement each other, enabling you to do even more. All data sets, extensive Python and R code, and additional examples available for download at <http://www.ftpress.com/miller/> Python and R offer immense power in predictive analytics, data science, and big data. This book will help you leverage that power to solve real business problems, and drive real competitive advantage. Thomas W. Miller's unique balanced approach combines business context and quantitative tools, illuminating each technique with carefully explained code for the latest versions of Python and R. If you're new to predictive analytics, Miller gives you a strong foundation for achieving accurate, actionable results. If you're already a modeler, programmer, or manager, you'll learn crucial skills you don't already have. Using Python and R, Miller addresses multiple business challenges, including segmentation, brand positioning, product choice modeling, pricing research, finance, sports, text analytics, sentiment analysis, and social network analysis. He illuminates the use of cross-sectional data, time series, spatial, and spatio-temporal data. You'll learn why each problem matters, what data are relevant, and how to explore the data you've identified. Miller guides you through conceptually modeling each data set with words and figures; and then modeling it again with realistic code that delivers actionable insights. You'll walk through model construction, explanatory variable subset

selection, and validation, mastering best practices for improving out-of-sample predictive performance. Miller employs data visualization and statistical graphics to help you explore data, present models, and evaluate performance. Appendices include five complete case studies, and a detailed primer on modern data science methods. Use Python and R to gain powerful, actionable, profitable insights about: Advertising and promotion Consumer preference and choice Market baskets and related purchases Economic forecasting Operations management Unstructured text and language Customer sentiment Brand and price Sports team performance And much more Data analysis forms the basis of many forms of research ranging from the scientific to the governmental. With the advent of machine intelligence and neural networks, extracting, modeling, and approaching data has been unimpeachably altered. These changes, seemingly small, affect the way societies organize themselves, deliver services, or interact with each other. Intelligent Techniques for Data Analysis in Diverse Settings addresses the specialized requirements of data analysis in a comprehensive way. This title contains a comprehensive overview of the most innovative recent approaches borne from intelligent techniques such as neural networks, rough sets, fuzzy sets, and metaheuristics. Combining new data analysis technologies, applications, emerging trends, and case studies, this publication reviews the intelligent, technological, and organizational aspects of the field. This book is ideally designed for IT professionals and students, data analysis specialists, healthcare providers, and policy makers.

11th International Conference, ESWC 2014, Anissaras, Crete, Greece, May 25-29, 2014, Proceedings Modeling Techniques in Predictive Analytics

Design of Procedures to Evaluate Traveler Responses to Changes in Transportation System Supply IPPS '95 Workshop, Santa Barbara, CA, USA, April 25, 1995. Proceedings

The Measurement and Analysis of Housing Preference and Choice

Management Engineering Policies and Procedures

SCAI 2008

This book constitutes the refereed proceedings of the 32nd annual European Conference on Information Retrieval Research, ECIR 2010, held in Milton Keynes, UK, in March 2010. The 44 revised full papers and 23 poster papers presented together with the keynote lecture, 5 tool demonstrations and the abstracts of 3 invited lectures were carefully reviewed and selected from 202 full research paper submissions and 73 poster/demo submissions. The papers are organized in topical sections on NLP and text mining, Web IR, evaluation, multimedia IR, distributed IR and performance issues, IR theory and formal models, personalization and recommendation, domain-specific IR and CLIR, as well as user issues.

What are the current trends in housing? Is my planned project commercially viable? What should be my marketing and advertisement strategies? These are just some of the questions real estate agents, landlords and developers ask researchers to answer. But to find the answers, researchers are faced with a wide variety of methods that measure housing preferences and choices. To select and value a valid research method, one needs a well-structured overview of the methods that are used in housing preference and housing choice research. This comprehensive introduction to this field offers just such an overview. It discusses and compares numerous methods, detailing the potential limitation of each one, and it reaches beyond methodology, illustrating how thoughtful consideration of methods and techniques in research can help researchers and other professionals to deliver products and services that are more in line with residents' needs.

Methods for Consumer Research, Volume One: New Approaches to Classic Methods brings together world leading experts in global consumer research who provide a fully comprehensive state-of-the-art coverage of advances in the classical methods of consumer science. The book touches on the latest developments in qualitative techniques, including coverage of both focus groups and social media, while also focusing on liking, a fundamental principle of consumer science, consumer segmentation, and the influence of extrinsic product characteristics, such as packaging and presentation on consumer liking. In conjunction with the second volume, which covers alternative approaches and special applications, this book is an invaluable reference for academics working in the fields of in-sensory and consumer science, psychology, marketing and nutrition. And, with examples of the methodology being applied throughout, it serves as a practical guide to research and development managers in both food and non-food companies. Presents a fully comprehensive coverage of the latest developments in the classical methodologies of consumer research Provides examples of successful application of the methodologies presented Includes focus groups and social media discussions Encompasses consumer segmentation, with a focus on psychographics and genetics

This one-of-a-kind resource helps you build a bridge between your students' initial ideas and correct mathematical thinking. Includes an annotated reference guide.

Machine Learning and Knowledge Discovery in Databases

Internet of Things and Connected Technologies

50 More Strategies for Linking Assessment, Instruction, and Learning

BERT and Beyond

Intelligent Techniques for Data Analysis in Diverse Settings

Probability Models and Statistical Analyses for Ranking Data

In June of 1990, a conference was held on Probability Models and Statistical Analyses for Ranking Data, under the joint auspices of the American Mathematical Society, the Institute for Mathematical Statistics, and the Society of Industrial and Applied Mathematicians. The

conference took place at the University of Massachusetts, Amherst, and was attended by 36 participants, including statisticians, mathematicians, psychologists and sociologists from the United States, Canada, Israel, Italy, and The Netherlands. There were 18 presentations on a wide variety of topics involving ranking data. This volume is a collection of 14 of these presentations, as well as 5 miscellaneous papers that were contributed by conference participants. We would like to thank Carole Kohanski, summer program coordinator for the American Mathematical Society, for her assistance in arranging the conference; M. Steigerwald for preparing the manuscripts for publication; Martin Gilchrist at Springer-Verlag for editorial advice; and Persi Diaconis for contributing the Foreword. Special thanks go to the anonymous referees for their careful readings and constructive comments. Finally, we thank the National Science Foundation for their sponsorship of the AMS-IMS-SIAM Joint Summer Programs.

Contents Preface vii Conference Participants xiii Foreword xvii 1 Ranking Models with Item Covariates 1 D. E. Critchlow and M. A. Fligner 1. 1 Introduction. 1
1. 2 Basic Ranking Models and Their Parameters 2 1. 3 Ranking Models with Covariates 8 1. 4 Estimation 9 1. 5 Example. 11 1. 6 Discussion. 14 1. 7 Appendix . 15 1. 8 References.

Marine debris is a global pollution problem affecting marine life, maritime commerce and environmental quality. Scientists, policymakers and the public must be knowledgeable about the source, impact and control efforts if effective solutions are to be developed. Marine Debris addresses the origin of persistent solid waste in the ocean, from urban and rural discharges to waste from ships and the recreational use of oceans. The book identifies key issues from biological, technological, economic and legal perspectives, and gives a framework for controlling each of the main sources of marine debris.

Serving as a flagship driver towards advance research in the area of Big Data platforms and applications, this book provides a platform for the dissemination of advanced topics of theory, research efforts and analysis, and implementation oriented on methods, techniques and performance evaluation. In 23 chapters, several important formulations of the architecture design, optimization techniques, advanced analytics methods, biological, medical and social media applications are presented. These chapters discuss the research of members from the ICT COST Action IC1406 High-Performance Modelling and Simulation for Big Data Applications (cHiPSet). This volume is ideal as a reference for students, researchers and industry practitioners working in or interested in joining interdisciplinary works in the areas of

intelligent decision systems using emergent distributed computing paradigms. It will also allow newcomers to grasp the key concerns and their potential solutions.

Conflict and Tradeoffs in Decision Making

Pretrained Transformers for Text Ranking

Air Force Manual

Reading, Writing, Listening, and Speaking

Algorithms, Modelling, and High-Performance Computing Techniques

Health: What Is It Worth?

Ranking Task Exercises in Physics