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KEY=MANUAL - CARLEE RAMOS

Focus On: 100 Most Popular Sedans

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Mercedes-Benz Technical Companion

Bentley Pub Since 1956, informed Mercedes-Benz owners have relied upon The Star, the magazine of the Mercedes-Benz Club of America, for advice about maintenance, service and repair of their cars. Bentley Publishers has collected some of the best of these DIY articles and tech tips into the Mercedes-Benz Technical Companion?. No matter which Mercedes-Benz model you drive or desire, this compilation will serve as a valuable technical reference to help you understand and care for your Mercedes-Benz. Many of the articles in the Mercedes-Benz Technical Companion? are not model specific, and apply to a wide range of Mercedes-Benz vehicles. Some articles cover specific repairs for Mercedes-Benz models including: 280SE/L, 300SE/L, 300E, 500SEL, 560SEL, E320, E500, 220D, 240D, 300D, 300SD, 190SL, 230SL, 250SL, 280SL, ML320.

Mercedes-Benz E-Class

Diesel (02-10) 02 to 59

This is one in a series of manuals for car or motorcycle owners. Each book provides information on routine maintenance and servicing, with tasks described and photographed in a step-by-step sequence so that even a novice can do the work.

VW Polo Petrol & Diesel Service & Repair Manual

2002 to 2005

Ashgate Publishing, Ltd. Hatchback, including special/limited editions. Does NOT cover features specific to Dune models, or facelifted Polo range introduced June 2005. Petrol: 1.2 litre (1198cc) 3-cyl & 1.4 litre (1390cc, non-FSI) 4-cyl. Does NOT cover 1.4 litre FSI engines. Diesel: 1.4 litre (1422cc) 3-cyl & 1.9 litre (1896cc) 4-cyl, inc. PD TDI / turbo.

Cochrane Handbook for Systematic Reviews of Interventions

Wiley Healthcare providers, consumers, researchers and policy makers are inundated with unmanageable amounts of information, including evidence from healthcare research. It has become impossible for all to have the time and resources to find, appraise and interpret this evidence and incorporate it into healthcare decisions. Cochrane Reviews respond to this challenge by identifying, appraising and synthesizing research-based evidence and presenting it in a standardized format, published in *The Cochrane Library* (www.thecochranelibrary.com). *The Cochrane Handbook for Systematic Reviews of Interventions* contains methodological guidance for the preparation and maintenance of Cochrane intervention reviews. Written in a clear and accessible format, it is the essential manual for all those preparing, maintaining and reading Cochrane reviews. Many of the principles and methods described here are appropriate for systematic reviews applied to other types of research and to systematic reviews of interventions undertaken by others. It is hoped therefore that this book will be invaluable to all those who want to understand the role of systematic reviews, critically appraise published reviews or perform reviews themselves.

Handbook of U.S. Latino Psychology

Developmental and Community-Based Perspectives

SAGE Synthesizing cutting-edge research and methodological advances, this handbook covers the many needs and advances in Latino psychology and summarizes and integrates the growing literature.

Computer Performance Engineering

8th European Performance Engineering Workshop, EPEW 2011, Borrowdale, The English Lake District, October 12-13, 2011, Proceedings

Springer This book constitutes the refereed proceedings of the 8th European Performance Engineering Workshop, EPEW 2011, held in The English Lake District in October 2011. The 16 regular papers and 6 poster presentations papers presented together with 2 invited talks were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on performance-oriented design and analysis methods, model checking and validation, simulation techniques and experimental design, performability modelling and performance and power consumption tradeoffs.

National Education Longitudinal Study of 1988

Base Year: Teacher Component Data File User's Manual

Administrative Notes

Technical supplement

Diagnostic Measurement Theory, Methods, and Applications

Guilford Press *This book provides a comprehensive introduction to the theory and practice of diagnostic classification models (DCMs), which are useful for statistically driven diagnostic decision making. DCMs can be employed in a wide range of disciplines, including educational assessment and clinical psychology. For the first time in a single volume, the authors present the key conceptual underpinnings and methodological foundations for applying these models in practice. Specifically, they discuss a unified approach to DCMs, the mathematical structure of DCMs and their relationship to other latent variable models, and the implementation and estimation of DCMs using Mplus. The book's highly accessible language, real-world applications, numerous examples, and clearly annotated equations will encourage professionals and students to explore the utility and statistical properties of DCMs in their own projects. The companion website (www.guilford.com/rupp-materials) features chapter exercises with answers, data sets, Mplus syntax code, and output. Winner--Award for Significant Contribution to Educational Measurement and Research Methodology, AERA Division D*

Academic Socialization of Young Black and Latino Children Building on Family Strengths

Springer *This book offers a strengths-based, family-focused approach to improving the educational performance and school experience of struggling Black and Latino students. The book discusses educational challenges faced by low-income families of color and the different strengths within Black and Latino family life that can affect these challenges. It focuses building on these strengths within the children's home environments that can serve as a foundation for subsequent learning. The chapters describe a wide range of family practices and beliefs, including development of interventions to support families that promote early language and literacy, early mathematics, and social skills. The chapters also present quantitative and/or qualitative studies using a strengths-based approach to parents' socialization of their children's early academic skills. Topics featured in this book include: Latino and Black parental resources, investments, and beliefs Academic socialization in the homes of Black and Latino preschool children Development of culturally-informed interventions to promote children's school readiness skills Family-school partnerships as a tool for improving educational opportunities. Directions for future research Academic Socialization of Young Black and Latino Children is a must-have resource for researchers, educators, clinicians and related professionals, and graduate students in diverse fields including education, developmental and school psychology, family studies, counseling psychology and social work, and sociology of culture.*

The Routledge Handbook of Language and Identity

Routledge *The Routledge Handbook of Language and Identity provides a clear and comprehensive survey of the field of language and identity from an applied linguistics perspective. Forty-one chapters are organised into five sections covering: theoretical perspectives informing language and identity studies key issues for researchers doing language and identity studies categories and dimensions of identity identity in language learning contexts and among language learners future directions for language and identity studies in applied linguistics Written by specialists from around the world, each chapter will introduce a topic in language and identity studies, provide a concise and critical survey, in which the importance and relevance to applied linguists is explained and include further reading. The Routledge Handbook of Language and Identity is an essential purchase for advanced undergraduate and postgraduate students of Linguistics, Applied Linguistics and TESOL. Advisory board: David Block (Institució Catalana de Recerca i Estudis Avançats/ Universitat de Lleida, Spain); John Joseph (University of Edinburgh); Bonny Norton (University of British Columbia, Canada).*

Immigration, Diversity, and Education

Routledge *This edited volume presents an overview of research and policy issues pertaining to children from birth to 10 who are first- and second-generation immigrants to the U.S., as well as native-born children of immigrants. The contributors offer interdisciplinary perspectives on recent developments and research findings on children of immigrants. By accessibly presenting research findings and policy considerations in the field, this collection lays the foundation for changes in child and youth policies associated with the shifting ethnic, cultural, and linguistic profile of the U.S. population.*

Mercedes-Benz SLK

- R171 series 2004-2011

Veloce Publishing Ltd This book reveals the full history of the second generation Mercedes-Benz SLK, covering in detail the German, US, UK, Australian and Japanese markets. The perfect book to grace a Mercedes-Benz enthusiasts' library shelf, it's the definitive record of the model illustrated with stunning photographs.

Consultancy and Advising in Forensic Practice

Empirical and Practical Guidelines

John Wiley & Sons The first publication to apply the modern theory and techniques in the consultancy process, presenting a clear, practical approach targeted specifically at forensic issues and contexts. The first publication to apply consultancy literature to a forensic setting Provides a combination of the theoretical and practical underpinnings needed in consultancy work, offering a development of knowledge with practical application Brings together papers from researchers, academics, practitioners and consultants within forensic psychology whilst drawing upon expertise in business consultancy and administration Chapters combine psychological, ethical, managerial and evaluative aspects into themed summaries Offers directions for further study and practice development

Handbook of Probability

Theory and Applications

SAGE The Handbook of Probability presents an equal balance of theory and direct applications in a non-technical, yet comprehensive format so that researchers of various backgrounds can use the reference either as a primer for understanding basic probability theory or as a more advanced research tool for specific projects requiring a deeper understanding or application of probability. The wide-ranging applications of probability presented make it useful for researchers who need to make interdisciplinary connections in their work, as well as professors who teach a range of students (social sciences, education, business, behavioral sciences, etc.) and need to bring probability into greater, concrete perspective for these students.

Mercedes-Benz C-Class

Service and Repair Manual

Haynes Publishing Group C180, C200, C220, C230 & C250 Saloon & Estate (C-Class). Does NOT cover supercharged (Kompressor) or 6-cyl petrol, C200 or CDI 220 Diesel, or AMG versions. Does NOT cover new C-Class range introduced September 2000. Petrol: 1.8 litre (1797 & 1799cc), 2.0 litre (1998cc), 2.2 litre (2199cc) & 2.3 litre (2295cc) 4-cyl. Diesel & turbo-Diesel: 2.2 litre (2155cc) & 2.5 litre (2497cc).

A Handbook for Interprofessional Practice in the Human Services

Learning to Work Together

Routledge *A Handbook for Inter-professional Practice in the Human Services: Learning to Work Together is an essential text for all students of inter-professional education, and for practitioners looking to understand and develop better inter-agency working. With an emphasis on working collaboratively with fellow professionals, service users and the community, and developing an holistic approach to working, this is an essential resource for anyone studying on courses in social work, nursing, education, health, medicine, social policy, physiotherapy, occupational therapy, physiotherapy and dentistry, and for all those with an interest in the human services.*

High Performance Embedded Computing Handbook

A Systems Perspective

CRC Press *Over the past several decades, applications permeated by advances in digital signal processing have undergone unprecedented growth in capabilities. The editors and authors of High Performance Embedded Computing Handbook: A Systems Perspective have been significant contributors to this field, and the principles and techniques presented in the handbook are reinforced by examples drawn from their work. The chapters cover system components found in today's HPEC systems by addressing design trade-offs, implementation options, and techniques of the trade, then solidifying the concepts with specific HPEC system examples. This approach provides a more valuable learning tool, Because readers learn about these subject areas through factual implementation cases drawn from the contributing authors' own experiences. Discussions include: Key subsystems and components Computational characteristics of high performance embedded algorithms and applications Front-end real-time processor technologies such as analog-to-digital conversion, application-specific integrated circuits, field programmable gate arrays, and intellectual property-based design Programmable HPEC systems technology, including interconnection fabrics, parallel and distributed processing, performance metrics and software architecture, and automatic code parallelization and optimization Examples of complex HPEC systems representative of actual prototype developments Application examples, including radar, communications, electro-optical, and sonar applications The handbook is organized around a canonical framework that helps readers navigate through the chapters, and it concludes with a discussion of future trends in HPEC systems. The material is covered at a level suitable for practicing engineers and HPEC computational practitioners and is easily adaptable to their own implementation requirements.*

Research Handbook on Entrepreneurial Teams

Theory and Practice

Edward Elgar Publishing *This book reinforces the value and importance of entrepreneurial teams within the entrepreneurship literature. The expert group of contributors identifies and develops various key areas of research on entrepreneurship teams and suggests the way ahead for future research in the area. The contributors expand on the existing literature on entrepreneurial teams by first revisiting the most recent framework applied to entrepreneurial teams (that is the Inputs-Mediators-Outputs-Inputs model) and then advancing our understanding of issues such as formation, structuring, deep-level diversity and emergent states. The book additionally considers different contexts of application with reference to their commonalities and specificities and investigates under-researched areas such as entrepreneurial teams within indigenous communities, ethnically diverse groups and women entrepreneurs. The contributors present practice-relevant research and offer researchers a platform from which they can explore new insights into the phenomenon of entrepreneurial teams.*

Handbook of Educational Psychology

Routledge *The third edition of the Handbook of Educational Psychology is sponsored by Division 15 of the American Psychological Association. In this volume, thirty chapters address new developments in theory and research methods while honoring the legacy of the field's past. A diverse group of recognized scholars within and outside the U.S. provide integrative reviews and critical syntheses of developments in the substantive areas of psychological inquiry in education, functional processes for learning, learner readiness and development, building knowledge and subject matter expertise, and the learning and task environment. New chapters in this edition cover topics such as learning sciences research, latent variable models, data analytics, neuropsychology, relations between emotion,*

motivation, and volition (EMOVO), scientific literacy, sociocultural perspectives on learning, dialogic instruction, and networked learning. Expanded treatment has been given to relevant individual differences, underlying processes, and new research on subject matter acquisition. *The Handbook of Educational Psychology, Third Edition*, provides an indispensable reference volume for scholars in education and the learning sciences, broadly conceived, as well as for teacher educators, practicing teachers, policy makers and the academic libraries serving these audiences. It is also appropriate for graduate level courses in educational psychology, human learning and motivation, the learning sciences, and psychological research methods in education and psychology.

Handbook of International Large-Scale Assessment

Background, Technical Issues, and Methods of Data Analysis

CRC Press Technological and statistical advances, along with a strong interest in gathering more information about the state of our educational systems, have made it possible to assess more students, in more countries, more often, and in more subject domains. *The Handbook of International Large-Scale Assessment: Background, Technical Issues, and Methods of Data Analysis* brings together recognized scholars in the field of ILSA, behavioral statistics, and policy to develop a detailed guide that goes beyond database user manuals. After highlighting the importance of ILSA data to policy and research, the book reviews methodological aspects and features of the studies based on operational considerations, analytics, and reporting. The book then describes methods of interest to advanced graduate students, researchers, and policy analysts who have a good grounding in quantitative methods, but who are not necessarily quantitative methodologists. In addition, it provides a detailed exposition of the technical details behind these assessments, including the test design, the sampling framework, and estimation methods, with a focus on how these issues impact analysis choices.

Operations Research Proceedings 2011

Selected Papers of the International Conference on Operations Research (OR 2011), August 30 - September 2, 2011, Zurich, Switzerland

Springer Science & Business Media This book contains a selection of refereed papers presented at the "International Conference on Operations Research (OR 2011)" which took place at the University of Zurich from August 30 to September 2, 2011. The conference was jointly organized by the German speaking OR societies from Austria (ÖGOR), Germany (GOR) and Switzerland (SVOR) under the patronage of SVOR. More than 840 scientists and students from over 50 countries attended OR 2011 and presented 620 papers in 16 parallel topical streams, as well as special award sessions. The conference was designed according to the understanding of Operations Research as an interdisciplinary science focusing on modeling complex socio-technical systems to gain insight into behavior under interventions by decision makers. Dealing with "organized complexity" lies in the core of OR and designing useful support systems to master the challenge of system management in complex environment is the ultimate goal of our professional societies. To this end, algorithmic techniques and system modeling are two fundamental competences which are also well-balanced in these proceedings.

Hayes' Handbook of Pesticide Toxicology

Academic Press *The Handbook of Pesticide Toxicology* is a comprehensive, two-volume reference guide to the properties, effects, and regulation of pesticides that provides the latest and most complete information to researchers investigating the environmental, agricultural, veterinary, and human-health impacts of pesticide use. Written by international experts from academia, government, and the private sector, the *Handbook of Pesticide Toxicology* is an in-depth examination of critical issues related to the need for, use of, and nature of chemicals used in modern pest management. This updated 3e carries on the book's tradition of serving as the definitive reference on pesticide toxicology and recognizes the seminal contribution of Wayland J. Hayes, Jr., co-Editor of the first edition. Feature: Presents a comprehensive look at all aspects of pesticide toxicology in one reference work. Benefit: Saves researchers time in quickly accessing the very latest definitive details on toxicity of specific pesticides as opposed to searching through thousands of journal articles. Feature: Clear exposition of hazard identification and dose response relationships in each chapter featuring pesticide agents and actions. Benefit: Connects the experimental laboratory results to real-life applications in human health, animal health and the environment. Feature: All major classes of pesticide considered. Benefit: Provides relevance to a wider variety of researchers who are conducting comparative work in pesticides or their health impacts. Feature: Different routes of exposure critically evaluated. Benefit: Connects the loop between exposure and harmful affects to those who are researching the affects of pesticides on humans or wildlife.

Handbook on Constructing Composite Indicators: Methodology and User Guide

OECD Publishing A guide for constructing and using composite indicators for policy makers, academics, the media and other interested parties. In particular, this handbook is concerned with indicators which compare and rank country performance.

Data Mining Applications with R

Academic Press Data Mining Applications with R is a great resource for researchers and professionals to understand the wide use of R, a free software environment for statistical computing and graphics, in solving different problems in industry. R is widely used in leveraging data mining techniques across many different industries, including government, finance, insurance, medicine, scientific research and more. This book presents 15 different real-world case studies illustrating various techniques in rapidly growing areas. It is an ideal companion for data mining researchers in academia and industry looking for ways to turn this versatile software into a powerful analytic tool. R code, Data and color figures for the book are provided at the RDataMining.com website. Helps data miners to learn to use R in their specific area of work and see how R can apply in different industries Presents various case studies in real-world applications, which will help readers to apply the techniques in their work Provides code examples and sample data for readers to easily learn the techniques by running the code by themselves

Active Learning: Theoretical Perspectives, Empirical Studies and Design Profiles

Frontiers Media SA This book represents the emerging efforts of a growing international network of researchers and practitioners to promote the development and uptake of evidence-based pedagogies in higher education, at something a level approaching large-scale impact. By offering a communication venue that attracts and enhances much needed partnerships among practitioners and researchers in pedagogical innovation, we aim to change the conversation and focus on how we work and learn together – i.e. extending the implementation and knowledge of co-design methods. In this first edition of our Research Topic on Active Learning, we highlight two (of the three) types of publications we wish to promote. First are studies aimed at understanding the pedagogical designs developed by practitioners in their own practices by bringing to bear the theoretical lenses developed and tested in the education research community. These types of studies constitute the "practice pull" that we see as a necessary counterbalance to "knowledge push" in a more productive pedagogical innovation ecosystem based on research-practitioner partnerships. Second are studies empirically examining the implementations of evidence-based designs in naturalistic settings and under naturalistic conditions. Interestingly, the teams conducting these studies are already exemplars of partnerships between researchers and practitioners who are uniquely positioned as "in-betweens" straddling the two worlds. As a result, these publications represent both the rigours of research and the pragmatism of reflective practice. In forthcoming editions, we will add to this collection a third type of publication -- design profiles. These will present practitioner-developed pedagogical designs at varying levels of abstraction to be held to scrutiny amongst practitioners, instructional designers and researchers alike. We hope by bringing these types of studies together in an open access format that we may contribute to the development of new forms of practitioner-researcher interactions that promote co-design in pedagogical innovation.

Handbook of High-resolution Spectroscopy

John Wiley & Sons The field of High-Resolution Spectroscopy has been considerably extended and even redefined in some areas. Combining the knowledge of spectroscopy, laser technology, chemical computation, and experiments, Handbook of High-Resolution Spectroscopy provides a comprehensive survey of the whole field as it presents itself today, with emphasis on the recent developments. This essential handbook for advanced research students, graduate students, and researchers takes a systematic approach through the range of wavelengths and includes the latest advances in experiment and theory that will help and guide future applications. The first comprehensive survey in high-resolution molecular spectroscopy for over 15 years Brings together the knowledge of spectroscopy, laser technology, chemical computation and experiments Brings the reader up-to-date with the many advances that have been made in recent times Takes the reader through the range of wavelengths, covering all possible techniques such as Microwave Spectroscopy, Infrared Spectroscopy, Raman Spectroscopy, VIS, UV and VUV Combines theoretical, computational and experimental aspects Has numerous applications in a wide range of scientific domains Edited by two leaders in this field Provides an overview of rotational, vibration, electronic and photoelectron spectroscopy Volume 1 - Introduction: Fundamentals of Molecular Spectroscopy Volume 2 - High-Resolution Molecular Spectroscopy: Methods and Results Volume 3 - Special Methods & Applications

Increasing Student Engagement and Retention Using Classroom Technologies

Classroom Response Systems and Mediated Discourse Technologies

Emerald Group Publishing This volume will examine new research on how classroom response systems are being used in higher education to increase learner engagement in an epoch of increasing globalization and diversity. These enabling technologies are reshaping and reframing the practice of teaching and learning in higher education. Through case studies, surveys, and literature reviews, this volume will examine how classroom response systems are being used to improve teamwork and leadership skills in students, to create engaging communities of practice, and how these technologies are being used to create inter-cultural and global experiences. This volume will also discuss a framework for deploying and assessing these technologies.

HPC@Green IT

Green High Performance Computing Methods

Springer Science & Business Media Making the most efficient use of computer systems has rapidly become a leading topic of interest for the computer industry and its customers alike. However, the focus of these discussions is often on single, isolated, and specific architectural and technological improvements for power reduction and conservation, while ignoring the fact that power efficiency as a ratio of performance to power consumption is equally influenced by performance improvements and architectural power reduction. Furthermore, efficiency can be influenced on all levels of today's system hierarchies from single cores all the way to distributed Grid environments. To improve execution and power efficiency requires progress in such diverse fields as program optimization, optimization of program scheduling, and power reduction of idling system components for all levels of the system hierarchy. Improving computer system efficiency requires improving system performance and reducing system power consumption. To research and reach reasonable conclusions about system performance we need to not only understand the architectures of our computer systems and the available array of code transformations for performance optimizations, but we also need to be able to express this understanding in performance models good enough to guide decisions about code optimizations for specific systems. This understanding is necessary on all levels of the system hierarchy from single cores to nodes to full high performance computing (HPC) systems, and eventually to Grid environments with multiple systems and resources.

Matheuristics

Hybridizing Metaheuristics and Mathematical Programming

Springer Science & Business Media Metaheuristics support managers in decision-making with robust tools that provide high-quality solutions to important applications in business, engineering, economics, and science in reasonable time frames, but finding exact solutions in these applications still poses a real challenge. However, because of advances in the fields of mathematical optimization and metaheuristics, major efforts have been made on their interface regarding efficient hybridization. This edited book will provide a survey of the state of the art in this field by providing some invited reviews by well-known specialists as well as refereed papers from the second Matheuristics workshop to be held in Bertinoro, Italy, June 2008. Papers will explore mathematical programming techniques in metaheuristics frameworks, and especially focus on the latest developments in Mixed Integer Programming in solving real-world problems.

Advances in The Ergonomics in Manufacturing: Managing the Enterprise of the Future

AHFE International (USA) Contemporary manufacturing enterprises aim to deliver a great number of consumer products and systems through friendly and satisfying working environments for people who are involved in manufacturing services. Meeting the needs of the manufacturing and service sectors of contemporary industry, this volume is concerned with the human factors, ergonomics, and safety issues related to the design of products, processes, and systems, as well as the operation and management of business enterprises. This book will be of special value to researchers and practitioners

involved in the design of products, processes, systems, and services, which are marketed and utilized by a variety of organizations around the world.

Network Processors

Architecture, Programming, and Implementation

Morgan Kaufmann Network processors are the basic building blocks of today's high-speed, high-demand, quality-oriented communication networks. Designing and implementing network processors requires a new programming paradigm and an in-depth understanding of network processing requirements. This book leads the reader through the requirements and the underlying theory of networks, network processing, and network processors. It covers implementation of network processors and integrates EZchip Microcode Development Environment so that you can gain hands-on experience in writing high-speed networking applications. By the end of the book, the reader will be able to write and test applications on a simulated network processor. Comprehensive, theoretical, and practical coverage of networks and high-speed networking applications Describes contemporary core, metro, and access networks and their processing algorithms Covers network processor architectures and programming models, enabling readers to assess the optimal network processor type and configuration for their application Free download from <http://www.cse.bgu.ac.il/npbook> includes microcode development tools that provide hands-on experience with programming a network processor

Exploring Monte Carlo Methods

Elsevier Exploring Monte Carlo Methods is a basic text that describes the numerical methods that have come to be known as "Monte Carlo." The book treats the subject generically through the first eight chapters and, thus, should be of use to anyone who wants to learn to use Monte Carlo. The next two chapters focus on applications in nuclear engineering, which are illustrative of uses in other fields. Five appendices are included, which provide useful information on probability distributions, general-purpose Monte Carlo codes for radiation transport, and other matters. The famous "Buffon's needle problem" provides a unifying theme as it is repeatedly used to illustrate many features of Monte Carlo methods. This book provides the basic detail necessary to learn how to apply Monte Carlo methods and thus should be useful as a text book for undergraduate or graduate courses in numerical methods. It is written so that interested readers with only an understanding of calculus and differential equations can learn Monte Carlo on their own. Coverage of topics such as variance reduction, pseudo-random number generation, Markov chain Monte Carlo, inverse Monte Carlo, and linear operator equations will make the book useful even to experienced Monte Carlo practitioners. Provides a concise treatment of generic Monte Carlo methods Proofs for each chapter Appendixes include Certain mathematical functions; Bose Einstein functions, Fermi Dirac functions, Watson functions

Handbook of Psychopathy, Second Edition

Guilford Publications Widely considered the go-to reference--and now extensively revised with over 65% new material--this authoritative handbook surveys the landscape of current knowledge on psychopathy and addresses essential clinical and applied topics. Leading researchers explore major theoretical models; symptomatology and diagnostic subtypes; assessment methods; developmental pathways; and causal influences, from genes and neurobiology to environmental factors. The volume examines manifestations of psychopathy in specific populations as well as connections to antisocial behavior and recidivism. It presents contemporary perspectives on prevention and treatment and discusses special considerations in clinical and forensic practice. New to This Edition *Extensively revised with more than a decade's theoretical, empirical, and clinical advances. *Many new authors and topics. *Expanded coverage of phenotypic facets, with chapters on behavioral disinhibition, callous-unemotional traits, and boldness. *Chapters on DSM-5, clinical interviewing, cognitive and emotional processing, and serial murder. *Significantly updated coverage of etiology, assessment methods, neuroimaging research, and adult and juvenile treatment approaches.

Springer Handbook of Geographic Information

Springer Science & Business Media Computer science provides a powerful tool that was virtually unknown three generations ago. Some of the classical fields of knowledge are geodesy (surveying), cartography, and geography. Electronics have revolutionized geodetic methods. Cartography has faced the dominance of the computer that results in simplified cartographic products. All three fields make use of basic components such as the Internet and databases. The Springer Handbook of Geographic Information is organized in three parts, Basics, Geographic Information and Applications. Some parts of the basics belong to the larger field of computer science. However, the reader gets a comprehensive view on geographic information because the topics selected from computer science have a close

relation to geographic information. The Springer Handbook of Geographic Information is written for scientists at universities and industry as well as advanced and PhD students.

Autocar & Motor

Telemedicine and E-Health Services, Policies, and Applications: Advancements and Developments

Advancements and Developments

IGI Global "This book offers a comprehensive and integrated approach to telemedicine by collecting E-health experiences and applications from around the world and by exploring new developments and trends in medical informatics"--

Extreme Environment Electronics

CRC Press Unfriendly to conventional electronic devices, circuits, and systems, extreme environments represent a serious challenge to designers and mission architects. The first truly comprehensive guide to this specialized field, *Extreme Environment Electronics* explains the essential aspects of designing and using devices, circuits, and electronic systems intended to operate in extreme environments, including across wide temperature ranges and in radiation-intense scenarios such as space. The *Definitive Guide to Extreme Environment Electronics* Featuring contributions by some of the world's foremost experts in extreme environment electronics, the book provides in-depth information on a wide array of topics. It begins by describing the extreme conditions and then delves into a description of suitable semiconductor technologies and the modeling of devices within those technologies. It also discusses reliability issues and failure mechanisms that readers need to be aware of, as well as best practices for the design of these electronics. Continuing beyond just the "paper design" of building blocks, the book rounds out coverage of the design realization process with verification techniques and chapters on electronic packaging for extreme environments. The final set of chapters describes actual chip-level designs for applications in energy and space exploration. Requiring only a basic background in electronics, the book combines theoretical and practical aspects in each self-contained chapter. Appendices supply additional background material. With its broad coverage and depth, and the expertise of the contributing authors, this is an invaluable reference for engineers, scientists, and technical managers, as well as researchers and graduate students. A hands-on resource, it explores what is required to successfully operate electronics in the most demanding conditions.

Handbook of Diagnostic Classification Models

Models and Model Extensions, Applications, Software Packages

Springer Nature This handbook provides an overview of major developments around diagnostic classification models (DCMs) with regard to modeling, estimation, model checking, scoring, and applications. It brings together not only the current state of the art, but also the theoretical background and models developed for diagnostic classification. The handbook also offers applications and special topics and practical guidelines how to plan and conduct research studies with the help of DCMs. Commonly used models in educational measurement and psychometrics typically assume a single latent trait or at best a small number of latent variables that are aimed at describing individual differences in observed behavior. While this allows simple rankings of test takers along one or a few dimensions, it does not provide a detailed picture of strengths and weaknesses when assessing complex cognitive skills. DCMs, on the other hand, allow the evaluation of test taker performance relative to a potentially large number of skill domains. Most diagnostic models provide a binary mastery/non-mastery classification for each of the assumed test taker attributes representing these skill domains. Attribute profiles can be used for formative decisions as well as for summative purposes, for example in a multiple cut-off procedure that requires mastery on at least a certain subset of skills. The number of DCMs discussed in the literature and applied to a variety of assessment data has been increasing over the past decades, and their appeal to researchers and practitioners alike continues to grow. These models have been used in English language assessment, international large scale assessments, and for feedback for practice exams in preparation of college admission testing, just to name a few. Nowadays, technology-

based assessments provide increasingly rich data on a multitude of skills and allow collection of data with respect to multiple types of behaviors. Diagnostic models can be understood as an ideal match for these types of data collections to provide more in-depth information about test taker skills and behavioral tendencies.