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Infrastructure is essential for development. This report presents a snapshot of the current condition of developing Asia's infrastructure---defined here as transport, power, telecommunications, and water supply and sanitation. It examines how much the region has been investing in infrastructure and what will likely be needed through 2030. Finally, it analyzes the financial and institutional challenges that will shape future infrastructure investment and development.

This broad view of epigenetic approaches in drug discovery combines methods and strategies with individual targets, including new and largely unexplored ones such as sirtuins and methyl-lysine reader proteins. Presented in three parts - Introduction to Epigenetics, General Aspects and Methodologies, and Epigenetic Target Classes - it covers everything any drug researcher would need in order to know about targeting epigenetic mechanisms of disease. Epigenetic Drug Discovery is an important resource for medicinal chemists, pharmaceutical researchers, biochemists, molecular biologists, and molecular geneticists.

The symposium "Prehistoric Iberia: genetics, anthropology and linguistics" was held in the Circulo de Bellas Artes, Madrid on 16th -17th November 1998. The idea was bringing together specialists who could address not clearly resolved historic and prehistoric issues regarding ancient Iberian and Mediterranean populations, following a multidisciplinary approach. This was necessary in the light of the new bulk of genetic, archeological and linguistic data obtained with the new DNA technology and the recent discoverings in the other fields. Genes may now be easily studied in populations, particularly HLA genes and markers of the mitochondrial DNA and the Y chromosome. Basques, Iberians, North Africans, Berbers (Imazighen) and Mediterraneans have presently been widely studied. The genetic emerging picture is that Mediterraneans are closely related from West (Basque, Iberians, Berbers) to East (Jews, Lebanese, Cretans); however, Greeks are outliers in all the analyses done by using HLA genes. Anthropologists and archeologists showed how there was no people substitution during the revolutionary Mesolithic-Neolithic transition; in addition, cultural relationships were found between Iberia and predinastic Egypt (El Badari culture). Basque language translation into Spanish has been the key for relating most Mediterranean extinct languages. The Usko-Mediterranean languages were once spoken in a wide African and European area, which also included parts of Asia. This was the "old language" that was slowly substituted by Eurasian languages starting approximately after the Bronze Age (or 2,000 years BC).

Here is the first translation into English of the Basava Purana, a fascinating collection of tales that sums up and characterizes one of the most important and most radical religious groups of South India. The ideas of the Virasaivas, or militant Saivas, are represented in those tales by an intriguing mix of outrageous excess and traditional conservatism. Written in Telugu in the thirteenth century, the Basava Purana is an anthology of legends of Virasaivas saints and a hagiography of Basavesvara, the twelfth-century Virasaiva leader. This translation makes accessible a completely new perspective on this significant religious group. Although Telugu is one of the major cultural traditions of India, with a classical literature reaching back to the eleventh century, until now there has been no translation or exposition of any of the Telugu

Virasaiva works in English. The introduction orients the reader to the text and helps in an understanding of the poet's point of view. The author of the Basava Purana, Palkuriki Somanatha, is revered as a saint by Virasaivas in Andhra and Karnataka. His books are regarded as sacred texts, and he is also considered to be a major poet in Telugu and Kannada. Originally published in 1990. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

'Interaction and accessibility are widely discussed themes in urban and regional analysis. Many aspects of this area are touched on in this wide-ranging collection of research essays. for example, migration, commuting, and accessibility are emergent issues as urban areas expand. Classic measures of accessibility provide useful metrics for regional description and assessment of urban hierarchies. Despite decades of development of mathematical models relating spatial interaction and accessibility, open questions remain regarding their analytical properties and performance in different empirical applications. This book paves the way for new topics requiring novel approaches using accessibility tools. This book will appeal to readers interested in accessibility studies because of its emphasis on the complex and dynamic interaction between accessibility and the space-economy.' - Morton E. O'Kelly, the Ohio State University, US Accessibility is a useful concept for representing the level of spatial interaction (flows of people, goods or information) between a set of locations, through a transport (physical and/or digital) infrastructure network. Its performance has been recognized in the framework of sustainability policy, in light of best practice planning and decision-making processes, where methods such as cost benefit analysis, multi-criteria analysis and risk analysis, can embed accessibility results. the rationale of this book is to present a collection of recent studies, modelling and discussing spatial interaction by means of accessibility indicators. Chapters have been organized in three different sections: (i) methods and data sources used to estimate spatial interaction through accessibility indicators; (ii) spatial and social dimension of accessibility; (iii) accessibility as a driver of spatial interaction. This book proves how accessibility concepts and measurements can integrate spatial economics with transport and planning science.

Measuring Transport Equity provides a methodology with the potential to shape the transportation decision-making processes, thus allowing for the adoption of more equitable transport solutions. Focusing on numerous applied methodological approaches to transport equity assessment, the book formalizes the disciplinary practice, definitions and methodologies for transport equity. In addition, it recognizes the different types of equity and acknowledges that each requires their own assessment methodologies. Bringing together the most up-to-date perspectives and practical approaches for assessing transportation accessibility, environmental impacts, health and wellbeing, the book sets standards for researchers, policymakers and practitioners for conducting social impact analyses. Written by a collection of top researchers in the transport field Shows how to apply transport equity measurement ideas in the real-

world through case study examples Covers emerging transport topics, including the use of the Gini index for measuring inequality Includes learning aids, such as methodology, application, policy relevance and further reading

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Experts report on the latest artificial intelligence research concerning reasoning about reasoning itself. The capacity to think about our own thinking may lie at the heart of what it means to be both human and intelligent. Philosophers and cognitive scientists have investigated these matters for many years. Researchers in artificial intelligence have gone further, attempting to implement actual machines that mimic, simulate, and perhaps even replicate this capacity, called metareasoning. In this volume, leading authorities offer a variety of perspectives--drawn from philosophy, cognitive psychology, and computer science--on reasoning about the reasoning process. The book offers a simple model of reasoning about reason as a framework for its discussions. Following this framework, the contributors consider metalevel control of computational activities, introspective monitoring, distributed metareasoning, and, putting all these aspects of metareasoning together, models of the self. Taken together, the chapters offer an integrated narrative on metareasoning themes from both artificial intelligence and cognitive science perspectives.

This book, fully updated for Python version 3.6+, covers the key ideas that link probability, statistics, and machine learning illustrated using Python modules in these areas. All the figures and numerical results are reproducible using the Python codes provided. The author develops key intuitions in machine learning by working meaningful examples using multiple analytical methods and Python codes, thereby connecting theoretical concepts to concrete implementations. Detailed proofs for certain important results are also provided. Modern Python modules like Pandas, Sympy, Scikit-learn, Tensorflow, and Keras are applied to simulate and visualize important machine learning concepts like the bias/variance trade-off, cross-validation, and regularization. Many abstract mathematical ideas, such as convergence in probability theory, are developed and illustrated with

numerical examples. This updated edition now includes the Fisher Exact Test and the Mann-Whitney-Wilcoxon Test. A new section on survival analysis has been included as well as substantial development of Generalized Linear Models. The new deep learning section for image processing includes an in-depth discussion of gradient descent methods that underpin all deep learning algorithms. As with the prior edition, there are new and updated *Programming Tips* that the illustrate effective Python modules and methods for scientific programming and machine learning. There are 445 run-able code blocks with corresponding outputs that have been tested for accuracy. Over 158 graphical visualizations (almost all generated using Python) illustrate the concepts that are developed both in code and in mathematics. We also discuss and use key Python modules such as Numpy, Scikit-learn, Sympy, Scipy, Lifelines, CvxPy, Theano, Matplotlib, Pandas, Tensorflow, Statsmodels, and Keras. This book is suitable for anyone with an undergraduate-level exposure to probability, statistics, or machine learning and with rudimentary knowledge of Python programming.

This Dictionary covers information and communication technology (ICT), including hardware and software; information networks, including the Internet and the World Wide Web; automatic control; and ICT-related computer-aided fields. The Dictionary also lists abbreviated names of relevant organizations, conferences, symposia and workshops. This reference is important for all practitioners and users in the areas mentioned above, and those who consult or write technical material. This Second Edition contains 10,000 new entries, for a total of 33,000.

120 Pages Goals Diary Dream Diary Journal or Diary College Ruled Great for Homeschool Perfect for taking notes in school or to use as a diary. Great Book for School notes or anything kids and adults want to write down! Great Birthday Party Gift Favors!

The Himalayas have captivated the imagination and interest of humankind for centuries. The more we explore, the more we learn. India's rich history, society, and culture, are deeply influenced by the world's tallest mountain range. After all, before modern travel, the Himalayas were the most important gateway to India, for people, goods and ideas. This rare and invaluable record of the youngest mountain range in the world is back in print after a century. The extensively detailed information on every district, food habits, customs, influences, as well as the people and their vocations will provide a new perspective to a whole new generation of young readers. The aim of this publication is to make Atkinson's rich data accessible once again to researchers so that we can continue to refer to this rich source of information in our continued work to conserve the rich natural resources and ecological heritage of the Himalayas which stand frighteningly threatened by fast paced and largely unplanned development.

Transport Justice develops a new paradigm for transportation planning based on principles of justice. Author Karel Martens starts from the observation that for the

last fifty years the focus of transportation planning and policy has been on the performance of the transport system and ways to improve it, without much attention being paid to the persons actually using – or failing to use – that transport system. There are far-reaching consequences of this approach, with some enjoying the fruits of the improvements in the transport system, while others have experienced a substantial deterioration in their situation. The growing body of academic evidence on the resulting disparities in mobility and accessibility, have been paralleled by increasingly vocal calls for policy changes to address the inequities that have developed over time. Drawing on philosophies of social justice, Transport Justice argues that governments have the fundamental duty of providing virtually every person with adequate transportation and thus of mitigating the social disparities that have been created over the past decades. Critical reading for transport planners and students of transportation planning, this book develops a new approach to transportation planning that takes people as its starting point, and justice as its end.

The book, consists of 31 chapters, will be useful to scientists working in the field of entomology. Chapters 1-10 present comprehensive review of concept and implementation and future need of pest management, impact of climate on pest population, insect invasion, pollinators, pesticide use, bar coding as tool to understand diversity and pesticide formulation and safety to environment. The next 5 chapters present comprehensive information on host plant resistance, soil solarization, neem and behaviour modify chemicals as component of pest management. Chapters 16-26 present the management strategies on crops like sugarcane, rice, sorghum, tobacco, fruits, vegetables crops and stored grain pests and strategies for management of mites which are emerging pests of agricultural crops. In the last 5 chapters presents the strategies for transmission of technology and its impact and the role of electronic media on dissemination of technology. The book contains comprehensive information in recent trends in various aspects of pest management complied by scientist working in specialized areas of pest management. The book will be useful to students, teachers, researchers and policy planners associated with pest management.

"This book narrows down the scope of data mining by adopting a heavily modeling-oriented perspective"--

An alternative approach to research and development, based on the needs of the farming community.

This book is the first comprehensive assessment of the state of low-carbon investments in Asia, analyzing the rationales, mandates and public–private financing activities. Based on the experiences of several regional initiatives wherein public financing is catalyzing private investments in low-carbon infrastructure, this book proposes a framework that can be used as a tool to identify factors that influence private investment decisions and policy instruments that can scale up the private capital. Placing the Asian economies onto a low-carbon development pathway requires an unprecedented shift in investments.

This book addresses this situation by asking questions such as: • What is the central role of private finance in achieving the Paris Agreement targets? • What key policy levers and risk mitigation can governments use in an effort to unlock the potentials of private capital? • How can regionally coordinated actions hold significant promise for scaling up private investments?

Why do some technologies spread while others do not? What are the consequences of top-down diffusion strategies? What are the disadvantages of instant patents? In answering these questions, this book forms a 'how to do it' guide to innovation management.

The book deals with the present state and problems of integrated pest management (IPM) as relating to stakeholder acceptance of IPM and how IPM can become a sustainable practice. The book covers the implementation of integrated pest management in USA, Canada, Denmark, Germany, Italy, Sweden, Netherlands, China, India, Indonesia, Australia, Africa, and its impact in reducing pesticide use in agriculture. The book also deals with the impact of transgenic crops on pesticide use.

The growth of global urbanization places great strains on energy, transportation, housing and public spaces needs. As such, transport and land use are inextricably linked. Urban Form and Accessibility: Social, Economic, and Environment Impacts consolidates key insights from multidisciplinary perspectives on the relationship between urban form and transportation planning. Synthesizing the latest cutting-edge research, the book translates academic evidence into practice. Starting with an overview of the key concepts relevant to each discipline, the book covers critical elements such as governance, travel behavior, and technological disruption, showing how to move towards a more sustainable society for all city inhabitants. Draws on evidence-based success stories from countries around the globe Gathers global leading thinkers to provide the state-of-the-art on the topic Examines social, economic, and environmental impacts within each chapter Each chapter's content will have the same structure for easier discoverability

Dictionary of Acronyms and Technical AbbreviationsFor Information and Communication Technologies and Related AreasSpringer Science & Business Media

If you're a security or network professional, you already know the "do's and don'ts": run AV software and firewalls, lock down your systems, use encryption, watch network traffic, follow best practices, hire expensive consultants . . . but it isn't working. You're at greater risk than ever, and even the world's most security-focused organizations are being victimized by massive attacks. In Thinking Security, author Steven M. Bellovin provides a new way to think about security. As one of the world's most respected security experts, Bellovin helps you gain new clarity about what you're doing and why you're doing it. He helps you understand security as a systems problem, including the role of the all-important human element, and shows you how to match your countermeasures to actual threats. You'll learn how to move beyond last year's checklists at a time when technology is changing so rapidly. You'll also understand how to design security architectures that don't just prevent attacks wherever possible, but also deal with the consequences of failures. And, within the context of your coherent architecture, you'll learn how to decide when to invest in a new security product and when not to. Bellovin, co-author of the best-selling Firewalls and Internet

Security, caught his first hackers in 1971. Drawing on his deep experience, he shares actionable, up-to-date guidance on issues ranging from SSO and federated authentication to BYOD, virtualization, and cloud security. Perfect security is impossible. Nevertheless, it's possible to build and operate security systems far more effectively. Thinking Security will help you do just that.

This book presents an authoritative review of the most significant findings about all the epigenetic targets (writers, readers, and erasers) and their implication in physiology and pathology. The book also covers the design, synthesis and biological validation of epigenetic chemical modulators, which can be useful as novel chemotherapeutic agents. Particular attention is given to the chemical mechanisms of action of these molecules and to the drug discovery prose which allows their identification. This book will appeal to students who want to know the extensive progresses made by epigenetics (targets and modulators) in the last years from the beginning, and to specialized scientists who need an instrument to quickly search and check historical and/or updated notices about epigenetics.

Using a discipline-by-discipline approach, Linne & Ringsrud's Clinical Laboratory Science: Concepts, Procedures, and Clinical Applications, 7th Edition provides a fundamental overview of the skills and techniques you need to work in a clinical laboratory and perform routine clinical lab tests. Coverage of basic laboratory techniques includes key topics such as safety, measurement techniques, and quality assessment. Clear, straightforward instructions simplify lab procedures, and are described in the CLSI (Clinical and Laboratory Standards Institute) format. Written by well-known CLS educator Mary Louise Turgeon, this text includes perforated pages so you can easily detach procedure sheets and use them as a reference in the lab! Hands-on procedures guide you through the exact steps you'll perform in the lab. Review questions at the end of each chapter help you assess your understanding and identify areas requiring additional study. A broad scope makes this text an ideal introduction to clinical laboratory science at various levels, including CLS/MT, CLT/MLT, and Medical Assisting, and reflects the taxonomy levels of the CLS/MT and CLT/MLT exams. Detailed full-color illustrations show what you will see under the microscope. An Evolve companion website provides convenient online access to all of the procedures in the text, a glossary, audio glossary, and links to additional information. Case studies include critical thinking and multiple-choice questions, providing the opportunity to apply content to real-life scenarios. Learning objectives help you study more effectively and provide measurable outcomes to achieve by completing the material. Streamlined approach makes it easier to learn the most essential information on individual disciplines in clinical lab science. Experienced author, speaker, and educator Mary Lou Turgeon is well known for providing insight into the rapidly changing field of clinical laboratory science. Convenient glossary makes it easy to look up definitions without having to search through each chapter. NEW! Procedure worksheets have been added to most chapters; perforated pages make it easy for students to remove for use in the lab and for assignment of review questions as homework. NEW! Instrumentation updates show new technology being used in the lab. NEW! Additional key terms in each chapter cover need-to-know terminology. NEW! Additional tables and figures in each chapter clarify clinical lab science concepts.

In July 2012, the Government consulted on its strategy for aviation, the draft Aviation Policy

Framework. This final Aviation Policy Framework will fully replace the 2003 Air Transport White Paper (Cm.6046, ISBN 9780101604628) on aviation, alongside Government decisions following the recommendations of the Independent Airports Commission, established September 2012. The Aviation Policy Framework is underpinned by two core principles: (i) Collaboration: achieved by working together with industry, regulators, experts, local communities to identify workable solutions; (ii) Transparency: decision making based on clear, independent information and processes. The Framework Policy covers the following areas: (1) Supporting growth and benefits of aviation; (2) Managing aviation's environmental impacts, such as climate change and noise pollution; (3) The role of the Airports Commission; (4) Other aviation objectives, including: protecting passenger' rights; competition and regulation policy; airspace; safety; security and planning.

This book constitutes the proceedings of the 1st International Conference on Advances in Emerging Trends and Technologies (ICAETT 2019), held in Quito, Ecuador, on 29–31 May 2019, jointly organized by Universidad Tecnológica Israel, Universidad Técnica del Norte, and Instituto Tecnológico Superior Rumiñahui, and supported by SNOTRA. ICAETT 2019 brought together top researchers and practitioners working in different domains of computer science to share their expertise and to discuss future developments and potential collaborations. Presenting high-quality, peer-reviewed papers, the book discusses the following topics: Technology Trends Electronics Intelligent Systems Machine Vision Communication Security e-Learning e-Business e-Government and e-Participation

The analysis of the various components of human work is the most important approach to a systematic study of people at work. This approach is aimed at the examination of individual activities with respect to the role they play in the conflict of humanitarian, economic, and technical aspects of work. The main objective of this title, which was first published in 1989, was to bring together researchers and practitioners from industry and academia who were interested in ergonomics and psychological aspects of job analysis. This title will be of particular interest to students of human resource management.

This new edition is a complete guide to paediatric dentistry for undergraduate and postgraduate dental students. Divided into nineteen sections, the book begins with an introduction to the specialty, oral examination, teeth identification and numbering, imaging, and growth and development of a child's face, mouth and teeth. The next chapters discuss diet and nutrition, plaque control and fluorides, and dental caries. Dental subspecialties including endodontics, orthodontics, restorative dentistry, periodontics, and surgery, each have their own dedicated sections. The concluding chapters cover oral pathology, forensics, lasers, dental advances, and research. The fourth edition has been fully revised to provide the latest information in the field and features many new topics including zirconia crowns, revascularisation and pulp regeneration, silver diamine fluoride, general anaesthesia, and presurgical nasoalveolar moulding in the management of cleft lip and palate. Key points Complete guide to paediatric dentistry for dental students Fully revised fourth edition with many new topics Highly illustrated with more than 1000 clinical photographs, diagrams and tables Previous edition (9789351522324) published in 2014

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