Entre Amis Lab Manual Vignette Iseries User

Gardens, Knowledge and the Sciences in the Early Modern PeriodWriting Beyond Pen and ParchmentPractical Professional GastronomyEntre AmisThe Afterlives of the TerrorLentiviral VectorsHands-On Programming with RThe Art of R ProgrammingR Programming for BioinformaticsCross-border Health Care in the European UnionMummy Portraits of Roman EgyptThe Black SwanUnderstanding Molecular SimulationEntre AmisAnimationAn Introduction to Statistical LearningFermented Foods, Part IIMethods of Teaching LibrarianshipWomen and Power at the French Court, 1483-1563Animation: A World HistoryPractical Statistics for Data ScientistsCognitive Psychotherapy Toward a New MillenniumImpressionismIntroduction to Carbon Capture and SequestrationUnderstanding UnderstandingThe House 1 CatalogueScenes of Parisian ModernityAdvances in Fibre Production Science in South American Camelids and other Fibre AnimalsCahier D'activitésCultural ConsultationDeep Learning with PythonEnergy GeostructuresWorld Development Report 2015Pharmacokinetic and Pharmacodynamic Data Analysis: Concepts and Applications, Third EditionBibliomania, Or Book MadnessKnowledge, Power and DissentThe Entre AmisWater, Cultural Diversity, and Global Environmental ChangeEvaluating "literacy for Development" Projects, Programs, and CampaignsApplied Econometrics with R

Gardens, Knowledge and the Sciences in the Early Modern Period

This publication is based on the discussions of the 2004 Global Colloquium on Research and Higher Education Policy of the UNESCO Forum for Higher Education, Research and Knowledge, held in Paris in December 2004. It contains contributions from 17 international experts in the field of higher education which explore the global rise of the 'knowledge society' and its implications for higher education and for sustainable human development in the future.

Writing Beyond Pen and Parchment

Summary Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Keras library. Written by Keras creator and Google AI researcher Fran�ois Chollet, this book builds your understanding through intuitive explanations and practical examples. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Machine learning has made remarkable progress in recent years. We went from near-unusable speech and image recognition, to near-human accuracy. We went from machines that couldn't beat a serious Go player, to defeating a world champion. Behind this progress is deep learning--a combination of engineering advances, best practices, and theory that enables a wealth of previously impossible smart applications. About the Book Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Keras

library. Written by Keras creator and Google AI researcher Fran�ois Chollet, this book builds your understanding through intuitive explanations and practical examples. You'll explore challenging concepts and practice with applications in computer vision, natural-language processing, and generative models. By the time you finish, you'll have the knowledge and hands-on skills to apply deep learning in your own projects. What's Inside Deep learning from first principles Setting up your own deep-learning environment Image-classification models Deep learning for text and sequences Neural style transfer, text generation, and image generation About the Reader Readers need intermediate Python skills. No previous experience with Keras, TensorFlow, or machine learning is required. About the Author Fran�ois Chollet works on deep learning at Google in Mountain View, CA. He is the creator of the Keras deep-learning library, as well as a contributor to the TensorFlow machine-learning framework. He also does deep-learning research, with a focus on computer vision and the application of machine learning to formal reasoning. His papers have been published at major conferences in the field, including the Conference on Computer Vision and Pattern Recognition (CVPR), the Conference and Workshop on Neural Information Processing Systems (NIPS), the International Conference on Learning Representations (ICLR), and others. Table of Contents PART 1 - FUNDAMENTALS OF DEEP LEARNING What is deep learning? Before we begin: the mathematical building blocks of neural networks Getting started with neural networks Fundamentals of machine learning PART 2 - DEEP LEARNING IN PRACTICE Deep learning for computer vision Deep learning for text and sequences Advanced deep-learning best practices Generative deep learning Conclusions appendix A - Installing Keras and its dependencies on Ubuntu appendix B - Running Jupyter notebooks on an EC2 GPU instance

Practical Professional Gastronomy

In these ground-breaking essays, Heinz von Foerster discusses some of the fundamental principles that govern how we know the world and how we process the information from which we derive that knowledge. The author was one of the founders of the science of cybernetics.

Entre Amis

Integrating the history of Paris with the history of consumption, the press, publicity, advertising and spectacle, this book traces the evolution of the urban core districts of consumption and explores elements of consumer culture such as the print media, publishing, retail techniques, tourism, city marketing, fashion, illustrated posters and Montmartre culture in the nineteenth century. Hahn emphasizes the tension between art and industry and between culture and commerce, a dynamic that significantly marked urban commercial modernity that spread new imaginary about consumption. She argues that Parisian consumer culture arose earlier than generally thought, and explores the intense commercialization Paris underwent.

The Afterlives of the Terror

This book presents a comprehensive treatment of the subject of evaluation as applied to literacy programs, covering evaluation theory, planning, and practice. Part I discusses questions of definition, context, objectives, and functions of evaluation and presents descriptions and analyses of evaluation paradigms and models. In Part II, the interrelated processes of evaluation planning and management are discussed, and evaluation planning and management approaches are explained and demonstrated. Parts III, IV, and V focus on the three components of the evaluation management approach discussed in Part II: management information systems (MIS), naturalistic evaluation (NE), and rationalistic evaluation (RE). Chapters in these parts cover: (1) theory, questions, and design of an MIS, NE, or RE; (2) writing a proposal for an MIS or for an evaluation study in the naturalistic or rationalistic mode; (3) tools and techniques of the three approaches; and (4) writing periodical and special reports. Part VI discusses the politics of evaluation, the need to establish evaluation standards for meta-evaluations, and the related question of evaluators' training. A glossary is appended. (YLB)

Lentiviral Vectors

Learn how to program by diving into the R language, and then use your newfound skills to solve practical data science problems. With this book, you'll learn how to load data, assemble and disassemble data objects, navigate R's environment system, write your own functions, and use all of R's programming tools. RStudio Master Instructor Garrett Grolemund not only teaches you how to program, but also shows you how to get more from R than just visualizing and modeling data. You'll gain valuable programming skills and support your work as a data scientist at the same time. Work hands-on with three practical data analysis projects based on casino games Store, retrieve, and change data values in your computer's memory Write programs and simulations that outperform those written by typical R users Use R programming tools such as if else statements, for loops, and S3 classes Learn how to write lightning-fast vectorized R code Take advantage of R's package system and debugging tools Practice and apply R programming concepts as you learn them

Hands-On Programming with R

Animal fibres from South American camelids and other fibre or wool bearing species provide important products for use by the human population. The contemporary context includes the competition with petrocarbon-based artificial fibres and concern about excessive persistence of these in the natural environment. Animal fibres present highly valuable characteristics for sustainable production and processing as they are both natural and renewable. On the other hand, their use is recognised to depend on availability of appropriate quality and quantity, the production of which is underpinned by a range of sciences and processes which support development to meet market requirements. This collection of papers

combines international experience from South and North America, China and Europe. The focus lies on domestic South American camelids (alpacas, llamas) and also includes research on sheep and goats. It considers latest advances in sustainable development under climate change, breeding and genetics, reproduction and pathology, nutrition, meat and fibre production and fibre metrology. Publication of this book is supported by the Animal Fibre Working Group of the European Federation of Animal Science (EAAP). 'Advances in Fibre Production Science in South American Camelids and other Fibre Animals' addresses issues of importance to scientists and animal breeders, textile processors and manufacturers, specialised governmental policy makers and students studying veterinary, animal and applied biological sciences.

The Art of R Programming

R Programming for Bioinformatics

Presents a revision of the late Columbia University art historian's lectures given at Indiana University in 1961

Cross-border Health Care in the European Union

Mummy Portraits of Roman Egypt

The Afterlives of the Terror explores how those who experienced the mass violence of the French Revolution struggled to come to terms with it. Focusing on the Reign of Terror, Ronen Steinberg challenges the presumption that its aftermath was characterized by silence and enforced collective amnesia. Instead, he shows that there were painful, complex, and sometimes surprisingly honest debates about how to deal with its legacies. As The Afterlives of the Terror shows, revolutionary leaders, victims' families, and ordinary citizens argued about accountability, retribution, redress, and commemoration. Drawing on the concept of transitional justice and the scholarship on the major traumas of the twentieth century, Steinberg explores how the French tried, but ultimately failed, to leave this difficult past behind. He argues that it was the same democratizing, radicalizing dynamic that led to the violence of the Terror, which also gave rise to an unprecedented interrogation of how society is affected by events of enormous brutality. In this sense, the modern question of what to do with difficult pasts is one of the unanticipated consequences of the eighteenth century's age of democratic revolutions.

The Black Swan

An Introduction to Statistical Learning provides an accessible overview of the field of statistical learning, an essential toolset for making sense of the vast and complex data sets that have emerged in fields ranging from biology to finance to marketing to astrophysics in the past twenty years. This book presents some of the most important modeling and prediction techniques, along with relevant applications. Topics include linear regression, classification, resampling methods, shrinkage approaches, tree-based methods, support vector machines, clustering, and more. Color graphics and real-world examples are used to illustrate the methods presented. Since the goal of this textbook is to facilitate the use of these statistical learning techniques by practitioners in science, industry, and other fields, each chapter contains a tutorial on implementing the analyses and methods presented in R, an extremely popular open source statistical software platform. Two of the authors co-wrote The Elements of Statistical Learning (Hastie, Tibshirani and Friedman, 2nd edition 2009), a popular reference book for statistics and machine learning researchers. An Introduction to Statistical Learning covers many of the same topics, but at a level accessible to a much broader audience. This book is targeted at statisticians and non-statisticians alike who wish to use cutting-edge statistical learning techniques to analyze their data. The text assumes only a previous course in linear regression and no knowledge of matrix algebra.

Understanding Molecular Simulation

Development economics and policy are due for a redesign. In the past few decades, research from across the natural and social sciences has provided stunning insight into the way people think and make decisions. Whereas the first generation of development policy was based on the assumption that humans make decisions deliberatively and independently, and on the basis of consistent and self-interested preferences, recent research shows that decision making rarely proceeds this way. People think automatically: when deciding, they usually draw on what comes to mind effortlessly. People also think socially: social norms guide much of behavior, and many people prefer to cooperate as long as others are doing their share. And people think with mental models: what they perceive and how they interpret it depend on concepts and worldviews drawn from their societies and from shared histories. The World Development Report 2015 offers a concrete look at how these insights apply to development policy. It shows how a richer view of human behavior can help achieve development goals in many areas, including early childhood development, household finance, productivity, health, and climate change. It also shows how a more subtle view of human behavior provides new tools for interventions. Making even minor adjustments to a decision-making context, designing interventions based on an understanding of social preferences, and exposing individuals to new experiences and ways of thinking may enable people to improve their lives. The Report opens exciting new avenues for development work. It shows that poverty is not simply a state of material deprivation, but also a tax ? on cognitive resources that affects the quality of decision making. It emphasizes that all humans, including experts

and policy makers, are subject to psychological and social influences on thinking, and that development organizations could benefit from procedures to improve their own deliberations and decision making. It demonstrates the need for more discovery, learning, and adaptation in policy design and implementation. The new approach to development economics has immense promise. Its scope of application is vast. This Report introduces an important new agenda for the development community.

Entre Amis

Understanding Molecular Simulation: From Algorithms to Applications explains the physics behind the "recipes" of molecular simulation for materials science. Computer simulators are continuously confronted with questions concerning the choice of a particular technique for a given application. A wide variety of tools exist, so the choice of technique requires a good understanding of the basic principles. More importantly, such understanding may greatly improve the efficiency of a simulation program. The implementation of simulation methods is illustrated in pseudocodes and their practical use in the case studies used in the text. Since the first edition only five years ago, the simulation world has changed significantly -- current techniques have matured and new ones have appeared. This new edition deals with these new developments; in particular, there are sections on: · Transition path sampling and diffusive barrier crossing to simulaterare events · Dissipative particle dynamic as a course-grained simulation technique · Novel schemes to compute the long-ranged forces · Hamiltonian and non-Hamiltonian dynamics in the context constant-temperature and constant-pressure molecular dynamics simulations · Multiple-time step algorithms as an alternative for constraints · Defects in solids · The pruned-enriched Rosenbluth sampling, recoil-growth, and concerted rotations for complex molecules · Parallel tempering for glassy Hamiltonians Examples are included that highlight current applications and the codes of case studies are available on the World Wide Web. Several new examples have been added since the first edition to illustrate recent applications. Questions are included in this new edition. No prior knowledge of computer simulation is assumed.

Animation

Women and Power at the French Court, 1483-1563 explores the ways in which a range of women - as consorts, regents, mistresses, factional power players, attendants at court, or as objects of courtly patronage - wielded power in order to advance individual, familial, and factional agendas at the early sixteenth-century French court. Spring-boarding from the burgeoning scholarship of gender, the political, and power in early modern Europe, the collection provides a perspective from the French court, from the reigns of Charles VIII to Henri II, a time when the French court was a renowned center of culture and at which women played important roles. Crossdisciplinary in its perspectives, these essays by historians, art and literary scholars investigate the dynamic operations of gendered power in political acts, recognized status as queens

and regents, ritualized behaviors such as gift-giving, educational coteries, and through social networking, literary and artistic patronage, female authorship, and epistolary strategies. Bron: Flaptekst, uitgeversinformatie.

An Introduction to Statistical Learning

The Black Swan is a standalone book in Nassim Nicholas Taleb's landmark Incerto series, an investigation of opacity, luck, uncertainty, probability, human error, risk, and decision-making in a world we don't understand. The other books in the series are Fooled by Randomness, Antifragile, and The Bed of Procrustes. A black swan is a highly improbable event with three principal characteristics: It is unpredictable; it carries a massive impact; and, after the fact, we concoct an explanation that makes it appear less random, and more predictable, than it was. The astonishing success of Google was a black swan; so was 9/11. For Nassim Nicholas Taleb, black swans underlie almost everything about our world, from the rise of religions to events in our own personal lives. Why do we not acknowledge the phenomenon of black swans until after they occur? Part of the answer, according to Taleb, is that humans are hardwired to learn specifics when they should be focused on generalities. We concentrate on things we already know and time and time again fail to take into consideration what we don't know. We are, therefore, unable to truly estimate opportunities, too vulnerable to the impulse to simplify, narrate, and categorize, and not open enough to rewarding those who can imagine the "impossible." For years, Taleb has studied how we fool ourselves into thinking we know more than we actually do. We restrict our thinking to the irrelevant and inconsequential, while large events continue to surprise us and shape our world. In this revelatory book, Taleb explains everything we know about what we don't know, and this second edition features a new philosophical and empirical essay, "On Robustness and Fragility," which offers tools to navigate and exploit a Black Swan world. Elegant, startling, and universal in its applications, The Black Swan will change the way you look at the world. Taleb is a vastly entertaining writer, with wit, irreverence, and unusual stories to tell. He has a polymathic command of subjects ranging from cognitive science to business to probability theory. The Black Swan is a landmark book—itself a black swan. Praise for Nassim Nicholas Taleb "The most prophetic voice of all."—GQ Praise for The Black Swan "[A book] that altered modern thinking."—The Times (London) "A masterpiece."—Chris Anderson, editor in chief of Wired, author of The Long Tail "Idiosyncratically brilliant."—Niall Ferguson, Los Angeles Times "The Black Swan changed my view of how the world works."—Daniel Kahneman, Nobel laureate "[Taleb writes] in a style that owes as much to Stephen Colbert as it does to Michel de Montaigne. . . . We eagerly romp with him through the follies of confirmation bias [and] narrative fallacy."—The Wall Street Journal "Hugely enjoyable—compelling . . . easy to dip into."—Financial Times "Engaging . . . The Black Swan has appealing cheek and admirable ambition."—The New York Times Book Review From the Hardcover edition.

Fermented Foods, Part II

A guide to software development using the R programming language covers such topics as closures, recursion, anonymous functions, and debugging techniques.

Methods of Teaching Librarianship

The seamless articulation of vocabulary, grammar, activities and cultural content is what makes ENTRE AMIS so effective in the classroom! ENTRE AMIS is a performance-oriented program designed to expand students' interpersonal, interpretive, and presentational communicative skills by presenting and rehearsing situations similar to those they will encounter in real life. Based on a progressive approach, ENTRE AMIS features thorough coverage of all four-language skills with a strong emphasis on oral communication. The language presented and practiced is always embedded in a French cultural context. The Sixth Edition of ENTRE AMIS has been thoroughly updated and now incorporates the latest technology offerings, including the iLrn Heinle Learning Center. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Women and Power at the French Court, 1483-1563

The Cahier combines Workbook, Lab Manual, Video Worksheets, and Vignettes to carefully practice vocabulary, grammar, composition, and listening comprehension. New speaking activities in the Lab Manual introduce songs, tongue twisters and oral exchanges to give students additional practice in speaking. New video worksheets provide vocabulary assistance and comprehension activities that help students relate the video segments to the chapters in the text.

Animation: A World History

The aim of the book is to provide an understanding of the current science underpinning Carbon Capture and Sequestration (CCS) and to provide students and interested researchers with sufficient background on the basics of Chemical Engineering, Material Science, and Geology that they can understand the current state of the art of the research in the field of CCS. In addition, the book provides a comprehensive discussion of the impact of CCS on the energy landscape, society, and climate as these topics govern the success of the science being done in this field. The book is aimed at undergraduate students, graduate students, scientists, and professionals who would like to gain a broad multidisciplinary view of the research that is being carried out to solve one of greatest challenges of our generation. Contents:Energy and ElectricityThe Atmosphere and Climate ModelingThe Carbon CycleIntroduction to Carbon CaptureAbsorptionAdsorptionMembranesIntroduction to Geological SequestrationFluids and RocksLarge-Scale Geological Carbon SequestrationLand Use and Geo-EngineeringList of SymbolsCredits Readership: Students taking courses on environmental sciences and research level individuals who are

interested in environmental issues related to CCS. Key Features:The first comprehensive textbook on Carbon Capture and Sequestration (CCS)A comprehensive discussion on the science of CCS and its impact on society and climateA multidisciplinary approach to CCS by the leading US research centers on CCSKeywords:Carbon Capture;Carbon Storage;Carbon Sequestration;Gas Separations

Practical Statistics for Data Scientists

Cognitive Psychotherapy Toward a New Millennium

A continuation of 1994's groundbreaking Cartoons, Giannalberto Bendazzi's Animation: A World History is the largest, deepest, most comprehensive text of its kind, based on the idea that animation is an art form that deserves its own place in scholarship. Bendazzi delves beyond just Disney, offering readers glimpses into the animation of Russia, Africa, Latin America, and other often-neglected areas and introducing over fifty previously undiscovered artists. Full of first-hand, never before investigated, and elsewhere unavailable information, Animation: A World History encompasses the history of animation production on every continent over the span of three centuries. Volume III catches you up to speed on the state of animation from 1991 to present. Although characterized by such trends as economic globalization, the expansion of television series, emerging markets in countries like China and India, and the consolidation of elitist auteur animation, the story of contemporary animation is still open to interpretation. With an abundance of first-hand research and topics ranging from Nickelodeon and Pixar to modern Estonian animation, this book is the most complete record of modern animation on the market and is essential reading for all serious students of animation history. Key Features Over 200 high quality head shots and film stills to add visual reference to your research Detailed information on hundreds of never-before researched animators and films Coverage of animation from more than 90 countries and every major region of the world Chronological and geographical organization for quick access to the information you're looking for

Impressionism

Co-published with UNESCO A product of the UNESCO-IHP project on Water and Cultural Diversity, this book represents an effort to examine the complex role water plays as a force in sustaining, maintaining, and threatening the viability of culturally diverse peoples. It is argued that water is a fundamental human need, a human right, and a core sustaining element in biodiversity and cultural diversity. The core concepts utilized in this book draw upon a larger trend in sustainability science, a recognition of the synergism and analytical potential in utilizing a coupled biological and social systems analysis, as the functioning viability of nature is both sustained and threatened by humans.

Introduction to Carbon Capture and Sequestration

Based on a recently completed project of cultural consultation in Montreal, Cultural Consultation presents a model of multicultural and applicable health care. This model used clinicians and consultants to provide in-depth assessment, treatment planning, and limited interventions in consultation with frontline primary care and mental health practitioners working with immigrants, refugees, and members of indigenous and ethnocultural communities. Evaluation of the service has demonstrated that focused interventions by consultants familiar with patients' cultural backgrounds could improve the relationship between the patient and the primary clinician. This volume presents models for intercultural work in psychiatry and psychology in primary care, general hospital and specialty mental health settings. The editors highlight crucial topics such as: - Discussing the social context of intercultural mental health care, conceptual models of the role of culture in psychopathology and healing, and the development of a cultural consultation service and a specialized cultural psychiatric service - Examining the process of intercultural work more closely with particular emphasis oto strategies of consultation, the identity of the clinician, the ways in which gender and culture position the clinician, and interaction of the consultant with family systems and larger institutions - Highlighting special situations that may place specific demands on the clinician: working with refugees and survivors of torture or political violence, with separated families, and with patients with psychotic episodes This book is of valuable use to mental health practitioners who are working in multidisciplinary settings who seek to understand cultural difference in complex cases. Psychiatrists, psychologists, social workers, nurse practitioners, primary care providers and trainees in these disciplines will make thorough use of the material covered in this text.

Understanding Understanding

What can stories of magical engraved rings or prophetic inscriptions on walls tell us about how writing was perceived before print transformed the world? Writing beyond Pen and Parchment introduces readers to a Middle Ages where writing is not confined to manuscripts but is inscribed in the broader material world, in textiles and tombs, on weapons or human skin. Drawing on the work done at the Collaborative Research Centre "Material Text Cultures," (SFB 933) this volume presents a comparative overview of how and where text-bearing artefacts appear in medieval German, Old Norse, British, French, Italian and Iberian literary traditions, and also traces the paths inscribed objects chart across multiple linguistic and cultural traditions. The volume's focus on the raw materials and practices that shaped artefacts both mundane or fantastical in medieval narratives offers a fresh perspective on the medieval world that takes seriously the vibrancy of matter as a vital aspect of textual culture often overlooked.

The House 1 Catalogue

This is a revised and very expanded version of the previous second edition of the book. "Pharmacokinetic and Pharmacodynamic Data Analysis" provides an introduction into pharmacokinetic and pharmacodynamic concepts using simple illustrations and reasoning. It describes ways in which pharmacodynamic and pharmacodynamic theory may be used to give insight into modeling questions and how these questions can in turn lead to new knowledge. This book differentiates itself from other texts in this area in that it bridges the gap between relevant theory and the actual application of the theory to real life situations. The book is divided into two parts; the first introduces fundamental principles of PK and PD concepts, and principles of mathematical modeling, while the second provides case studies obtained from drug industry and academia. Topics included in the first part include a discussion of the statistical principles of model fitting, including how to assess the adequacy of the fit of a model, as well as strategies for selection of time points to be included in the design of a study. The first part also introduces basic pharmacokinetic and pharmacodynamic concepts, including an excellent discussion of effect compartment (link) models as well as indirect response models. The second part of the text includes over 70 modeling case studies. These include a discussion of the selection of the model, derivation of initial parameter estimates and interpretation of the corresponding output. Finally, the authors discuss a number of pharmacodynamic modeling situations including receptor binding models, synergy, and tolerance models (feedback and precursor models). This book will be of interest to researchers, to graduate students and advanced undergraduate students in the PK/PD area who wish to learn how to analyze biological data and build models and to become familiar with new areas of application. In addition, the text will be of interest to toxicologists interested in learning about determinants of exposure and performing toxicokinetic modeling. The inclusion of the numerous exercises and models makes it an excellent primary or adjutant text for traditional PK courses taught in pharmacy and medical schools. A diskette is included with the text that includes all of the exercises and solutions using WinNonlin.

Scenes of Parisian Modernity

Advances in Fibre Production Science in South American Camelids and other Fibre Animals

Cross-border health care has become a much more prominent phenomenon in the European Union. When in need of medical treatment, patients increasingly act as informed consumers who claim the right to choose their own providers, including those beyond borders. This book explores such trends and also looks at the legal framework for cross-border care as well as examining some of the uncertainties surrounding it. After the adoption of the Directive on the application of patient rights in cross-border care, Member States will now have to start implementing these provisions. One of the challenges will be to see how various national practices related to access, benefits and tariffs, quality and safety, patient rights, cooperation etc. will be affected by these new rules. The information and analysis presented in the study can be of

considerable use to policy-makers and those with an interest in key aspects of cross-border health care to accompany or follow this process.

Cahier D'activités

This volume focuses on the outstanding contributions made by botany and the mathematical sciences to the genesis and development of early modern garden art and garden culture. The many facets of the mathematical sciences and botany point to the increasingly "scientific" approach that was being adopted in and applied to garden art and garden culture in the early modern period. This development was deeply embedded in the philosophical, religious, political, cultural and social contexts, running parallel to the beginning of processes of scientization so characteristic for modern European history. This volume strikingly shows how these various developments are intertwined in gardens for various purposes.

Cultural Consultation

R is a language and environment for data analysis and graphics. It may be considered an implementation of S, an award-winning language initially - veloped at Bell Laboratories since the late 1970s. The R project was initiated by Robert Gentleman and Ross Ihaka at the University of Auckland, New Zealand, in the early 1990s, and has been developed by an international team since mid-1997. Historically, econometricians have favored other computing environments, some of which have fallen by the wayside, and also a variety of packages with canned routines. We believe that R has great potential in econometrics, both for research and for teaching. There are at least three reasons for this: (1) R is mostly platform independent and runs on Microsoft Windows, the Mac family of operating systems, and various ?avors of Unix/Linux, and also on some more exotic platforms. (2) R is free software that can be downloaded and installed at no cost from a family of mirror sites around the globe, the Comprehensive R Archive Network (CRAN); hence students can easily install it on their own machines. (3) R is open-source software, so that the full source code is available and can be inspected to understand what it really does, learn from it, and modify and extend it. We also like to think that platform independence and the open-source philosophy make R an ideal environment for reproducible econometric research.

Deep Learning with Python

The Atelier de la Conception de l'Espace (ALICE), affiliated with the School of Architecture at the �cole Polytechnique F�d�rale de Lausanne, is an educational facility focusing on preparing students for the practice of architecture. To cultivate the ability to create or shape space, students must be confronted with an educational framework that prepares them for the field's many practical challenges, from cultural, social, environmental, and physical concerns to working with

the wide range of collaborators who must bring their creativity and expertise together in the design process. The second volume in a four-part series on ALICE, The House 1 Catalog focuses on a prototype, House I, developed and constructed throughout the academic year. This mobile structure incorporates ALICE's core values of communication and collaboration in building processes, and it will travel as part of an exhibition to several major cities, where it will be continually modified and reconfigured. With five hundred illustrations, this book continues the experimental narrative Dieter Dietz, Matthias Michel, and Daniel Zamarbide began in The Invention of Space, which will be further developed in the forthcoming third and fourth volumes in the series. ALICE plays a key role in the success of one of Europe's leading schools of architecture, and this book, together with the three other volumes in the series, provides an opportunity to explore the exceptional learning environment ALICE offers.

Energy Geostructures

World Development Report 2015

This book reviews the use of fermentation to develop healthy and functional foods and beverages, and the commercialization of some of the fermented food products through the use of biotechnology The first two sections cover the health and functional benefits of fermented foods and the latter two sections includes chapters on global and region-specific fermented foods that have crossed the geographical barriers to reach the supermarkets all over the world.

Pharmacokinetic and Pharmacodynamic Data Analysis: Concepts and Applications, Third Edition

This publication presents fascinating new findings on ancient Romano-Egyptian funerary portraits preserved in international collections. Once interred with mummified remains, nearly a thousand funerary portraits from Roman Egypt survive today in museums around the world, bringing viewers face-to-face with people who lived two thousand years ago. Until recently, few of these paintings had undergone in-depth study to determine by whom they were made and how. An international collaboration known as APPEAR (Ancient Panel Paintings: Examination, Analysis, and Research) was launched in 2013 to promote the study of these objects and to gather scientific and historical findings into a shared database. The first phase of the project was marked with a two-day conference at the Getty Villa. Conservators, scientists, and curators presented new research on topics such as provenance and collecting, comparisons of works across institutions, and scientific studies of pigments, binders, and supports. The papers and posters from the conference are collected in this publication, which offers the most up-to-date information available about these fascinating remnants of the ancient world.

Bibliomania, Or Book Madness

For the first time a compilation of chapters that depict the biological bases underlying the development of lentiviral vectors, the techniques involved in the manufacture of this new gene delivery tool, and its most promising applications.

Knowledge, Power and Dissent

In the roughly two decades since Aaron T. Beck published the now classic "Cognitive Therapy of Depression," and Michael J. Mahoney declared the "Cognitive Revolution," much has happened. What was proposed as the "cognitive revolution" has now become the zeitgeist, and Cognitive Therapy (CT) has grown exponentially with each passing year. A treatment model that was once seen as diffe rent, strange, or even alien, is now commonplace. In fact, many people have allied themselves with CT claiming that they have always done CT. Even my psychoanalytic colleagues have claimed that they often use CT. "After all," they say, "Psychoanalysis is a cognitive therapy." Cognitive Therapy (or Cognitive Psychotherapy) has become a kaleidoscope model of treatment, with influences coming from many sources. Some of these contributory streams have been information pro cessing, behavior therapy, Constructivist psychology, and dynamic psychotherapy. Each of these sources have added color, shading, and depth to the CT model. What was originally uni dimensional in terms of the CT focus on depression has become multidimensional as the CT model has been applied to virtually every patient population, treatment setting, and therapy context. CT must now be seen as a general model of psychotherapy that, with modifications, can be applied to the broad range of clinical problems and syndromes. What has tied these various applications of CT together is the emphasis on a strong grounding in cogni tive theory, a commitment to empirical support, and a dedication to broadening the model.

The Entre Amis

Statistical methods are a key part of of data science, yet very few data scientists have any formal statistics training. Courses and books on basic statistics rarely cover the topic from a data science perspective. This practical guide explains how to apply various statistical methods to data science, tells you how to avoid their misuse, and gives you advice on what's important and what's not. Many data science resources incorporate statistical methods but lack a deeper statistical perspective. If you're familiar with the R programming language, and have some exposure to statistics, this quick reference bridges the gap in an accessible, readable format. With this book, you'll learn: Why exploratory data analysis is a key preliminary step in data science How random sampling can reduce bias and yield a higher quality dataset, even with big data How the principles of experimental design yield definitive answers to questions How to use regression to estimate outcomes and detect anomalies Key classification techniques for predicting which categories a record belongs to Statistical

machine learning methods that "learn" from data Unsupervised learning methods for extracting meaning from unlabeled data

Water, Cultural Diversity, and Global Environmental Change

Evaluating "literacy for Development" Projects, Programs, and Campaigns

Energy geostructures are a tremendous innovation in the field of foundation engineering and are spreading rapidly throughout the world. They allow the procurement of a renewable and clean source of energy which can be used for heating and cooling buildings. This technology couples the structural role of geostructures with the energy supply, using the principle of shallow geothermal energy. This book provides a sound basis in the challenging area of energy geostructures. The objective of this book is to supply the reader with an exhaustive overview on the most up-to-date and available knowledge of these structures. It details the procedures that are currently being applied in the regions where geostructures are being implemented. The book is divided into three parts, each of which is divided into chapters, and is written by the brightest engineers and researchers in the field. After an introduction to the technology as well as to the main effects induced by temperature variation on the geostructures, Part 1 is devoted to the physical modeling of energy geostructures, including in situ investigations, centrifuge testing and small-scale experiments. The second part includes numerical simulation results of energy piles, tunnels and bridge foundations, while also considering the implementation of such structures in different climatic areas. The final part concerns practical engineering aspects, from the delivery of energy geostructures through the development of design tools for their geotechnical dimensioning. The book concludes with a real case study. Contents Part 1. Physical Modeling of Energy Piles at Different Scales 1. Soil Response under Thermomechanical Conditions Imposed by Energy Geostructures, Alice Di Donna and Lyesse Laloui. 2. Full-scale In Situ Testing of Energy Piles, Thomas Mimouni and Lyesse Laloui. 3. Observed Response of Energy Geostructures, Peter Bourne-Webb. 4. Behavior of Heat-Exchanger Piles from Physical Modeling, Anh Minh Tang, Jean-Michel Pereira, Ghazi Hassen and Neda Yavari. 5. Centrifuge Modeling of Energy Foundations, John S. McCartney. Part 2. Numerical Modeling of Energy Geostructures 6. Alternative Uses of Heat-Exchanger Geostructures, Fabrice Dupray, Thomas Mimouni and Lyesse Laloui. 7. Numerical Analysis of the Bearing Capacity of Thermoactive Piles Under Cyclic Axial Loading, Maria E. Suryatriyastuti, Hussein Mroueh , Sébastien Burlon and Julien Habert. 8. Energy Geostructures in Unsaturated Soils, John S. McCartney, Charles J.R. Coccia , Nahed Alsherif and Melissa A. Stewart. 9. Energy Geostructures in Cooling-Dominated Climates, Ghassan Anis Akrouch, Marcelo Sanchez and Jean-Louis Briaud. 10. Impact of Transient Heat Diffusion of a Thermoactive Pile on the Surrounding Soil, Maria E. Suryatriyastuti, Hussein Mroueh and Sébastien Burlon. 11. Ground-Source Bridge Deck De-icing Systems Using Energy Foundations, C. Guney Olgun and G. Allen Bowers. Part 3. Engineering Practice 12. Delivery of Energy

Geostructures, Peter Bourne-Webb with contributions from Tony Amis, Jean-Baptiste Bernard, Wolf Friedemann, Nico Von Der Hude, Norbert Pralle, Veli Matti Uotinen and Bernhard Widerin. 13. Thermo-Pile: A Numerical Tool for the Design of Energy Piles, Thomas Mimouni and Lyesse Laloui. 14. A Case Study: The Dock Midfield of Zurich Airport, Daniel Pahud. About the Authors Lyesse Laloui is Chair Professor, Head of the Soil Mechanics, Geoengineering and CO_2 storage Laboratory and Director of Civil Engineering at the Swiss Federal Institute of Technology (EPFL) in Lausanne, Switzerland. Alice Di Donna is a researcher at the Laboratory of Soil Mechanics at the Swiss Federal Institute of Technology (EPFL) in Lausanne, Switzerland.

Applied Econometrics with R

Due to its data handling and modeling capabilities as well as its flexibility, R is becoming the most widely used software in bioinformatics. R Programming for Bioinformatics explores the programming skills needed to use this software tool for the solution of bioinformatics and computational biology problems. Drawing on the author's first-hand experiences as an expert in R, the book begins with coverage on the general properties of the R language, several unique programming aspects of R, and object-oriented programming in R. It presents methods for data input and output as well as database interactions. The author also examines different facets of string handling and manipulations, discusses the interfacing of R with other languages, and describes how to write software packages. He concludes with a discussion on the debugging and profiling of R code. With numerous examples and exercises, this practical guide focuses on developing R programming skills in order to tackle problems encountered in bioinformatics and computational biology.

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