

Tajima Tmeg Manual

MacClade is a computer program for graphic and interactive analysis of phylogeny and character evolution for Apple Macintosh computers. It displays a cladogram and paints the branches to indicate reconstructed character evolution. The user can manipulate cladograms on screen as MacClade gives diagnostic feedback. Systematics and other evolutionary biologists can use its flexible and analytical tools to examine phylogenies or interpret character evolution in a phylogenetic context, yet its ease of use should allow students to grasp phylogenetic principles in an interactive environment. This is chapters 3-6 of the user's manual.

The study of evolution at the molecular level has given the subject of evolutionary biology a new significance. Phylogenetic 'trees' of gene sequences are a powerful tool for recovering evolutionary relationships among species, and can be used to answer a broad range of evolutionary and ecological questions. They are also beginning to permeate the medical sciences. In this book, the authors approach the study of molecular evolution with the phylogenetic tree as a central metaphor. This will equip students and professionals with the ability to see both the evolutionary relevance of molecular data, and the significance evolutionary theory has for molecular studies. The book is accessible yet sufficiently detailed and explicit so that the student can learn the mechanics of the procedures discussed. The book is intended for senior undergraduate and graduate students taking courses in molecular evolution/phylogenetic reconstruction. It will also be a useful supplement for students taking wider courses in evolution, as well as a valuable resource for professionals. First student textbook of phylogenetic reconstruction which uses the tree as a central metaphor of evolution. Chapter summaries and annotated suggestions for further reading. Worked examples facilitate understanding of some of the more complex issues. Emphasis on clarity and accessibility.

This volume provides a collection of contemporary perspectives on using activity-based protein profiling (ABPP) for biological discoveries in protein science, microbiology, and immunology. A common theme throughout is the special utility of ABPP to interrogate protein function and small-molecule interactions on a global scale in native biological systems. Each chapter showcases distinct advantages of ABPP applied to diverse protein classes and biological systems. As such, the book offers readers valuable insights into the basic principles of ABPP technology and how to apply this approach to biological questions ranging from the study of post-translational modifications to targeting bacterial effectors in host-pathogen interactions.

"Latinos" are the largest group among Americans of color. At 59 million, they constitute nearly a fifth of the US population. Their number has alarmed many in government, other mainstream institutions, and the nativist right who fear the white-majority US they have known is disappearing. During the 2016 US election and after, Donald Trump has played on these fears, embracing xenophobic messages vilifying many Latin American immigrants as rapists, drug smugglers, or "gang bangers." Many share such nativist desires to build enhanced border walls and create immigration restrictions to keep Latinos of various backgrounds out. Many whites' racist framing has also cast native-born Latinos, their language, and culture in an unfavorable light. Trump and his followers' attacks provide a peek at the complex phenomenon of the racialization of US Latinos. This volume explores an array of racialization's manifestations, including white mob violence, profiling by law enforcement, political disenfranchisement, whitewashed reinterpretations of Latino history and culture, and depictions of "good Latinos" as racially subservient. But subservience has never marked the Latino community, and this book includes pointed discussions of Latino resistance to racism. Additionally, the book's scope goes beyond the United States, revealing how Latinos are racialized in yet other societies.

The SWET Guide for Writers, Editors, and Translators
Risk and Resilience in U.S. Military Families
A Practical Approach to DNA and Protein Phylogeny
Vietnam Business Magazine
A.T.A. Journal
Books in Print Supplement

War related separations challenge military families in many ways. The worry and uncertainty associated with absent family members exacerbates the challenges of personal, social, and economic resources on the home front. U.S. military operations in Iraq and Afghanistan have sent a million service personnel from the U.S. alone into conflict areas leaving millions of spouses, children and others in stressful circumstances. This is not a new situation for military families, but it has taken a toll of magnified proportions in recent times. In addition, medical advances have prolonged the life of those who might have died of injuries. As a result, more families are caring for those who have experienced amputation, traumatic brain injury, and profound psychological wounds. The Department of Defence has launched unprecedented efforts to support service members and families before, during, and after deployment in all locations of the country as well as in remote locations. Stress in U.S. Military Families brings together an interdisciplinary group of experts from the military to the medical to examine the issues of this critical problem. Its goal is to review the factors that contribute to stress in military families and to point toward strategies and policies that can help. Covering the major topics of parenting, marital functioning, and the stress of medical care, and including a special chapter on single service members, it serves as a comprehensive guide for those who will intervene in these problems and for those undertaking their research.

"The distinctive style of Japanese art known as Rinpa embraces bold, graphic renderings of natural motifs and formalized depictions of fictional characters, poets, and sages. An aesthetic that arose in Japan in the 16th century and flourished until modern times, the Rinpa school is celebrated for its use of lavish pigments and its references to traditional court literature and poetry. Central to the Rinpa aesthetic is the evocation of the natural world – especially animals and plants with literary connotations – as well as eye-catching compositions that cleverly integrate calligraphy and image. Featuring beautiful colour reproductions of some ninety works – including painting, calligraphy, printed books, textiles, lacquerware, ceramics, and cloisonne – from the Metropolitan Museum of Art and other notable public and private collections, "Designing Nature" traces the development of Rinpa, highlighting the school's most prominent proponents and, for the first time, the influence of this quintessential Japanese style on modern design aesthetics in both the East and the West."--Publisher's website.

More than two decades after Michael Rutter (1987) published his summary of protective processes associated with resilience, researchers continue to report definitional ambiguity in how to define and operationalize positive development under adversity. The problem has been partially the result of a dominant view of resilience as something individuals have, rather than as a process that families, schools, communities and governments facilitate. Because resilience is related to the presence of social risk factors, there is a need for an ecological interpretation of the construct that acknowledges the importance of people's interactions with their environments. The Social Ecology of Resilience provides evidence for this ecological understanding of resilience in ways that help to resolve both definition and measurement problems.

This volume reviews the known neurobiology of depression and combines classic data on antidepressant treatments with modern theory on the physiology of depression. It also discusses novel mechanism of action drugs.

Genomic and Precision Medicine

Commercial Polymer Blends

The Phylogenetic Handbook

JTN

Excerpts from MacClade

Sweet's General Building & Renovation

Visualizing Theory is a lavishly illustrated collection of provocative essays, occasional pieces, and dialogues that first appeared in Visual Anthropology Review between 1990 and 1994. It contains contributions from anthropologists, from cultural, literary and film critics and from image makers themselves. Reclaiming visual anthropology as a space for the critical representation of visual culture from the naive realist and exoticist inclinations that have beleaguered practitioners' efforts to date, Visualizing Theory is a major intervention into this growing field.

Now in full color throughout, Duncan and Prasse 's Veterinary Laboratory Medicine: Clinical Pathology, Fifth Edition offers a comprehensive overview of hematology, hemostasis, clinical chemistry, urinalysis, cytology, and reference intervals in a highly accessible outline format. With information on all major domestic species, the text is designed for the reader to quickly find answers to clinical questions. Taking a problem-solving approach to the interpretation of laboratory data, this book includes clinical cases to illustrate the concepts of laboratory data interpretation, with tables and key words to aid readers in locating and applying information. The fifth edition has been fully revised to reflect the latest knowledge, diagnostic methods, and practices in veterinary laboratory medicine. A companion website provides the images in PowerPoint and references linked to PubMed at www.wiley.com/go/latimer. Duncan and Prasse 's Veterinary Laboratory Medicine is an excellent quick reference for practicing veterinarians, veterinary students, clinical interns and residents, and pathology residents.

This book provides a comprehensive overview of the diagnosis and management of Non-alcoholic Fatty Liver Disease (NAFLD) and Non-Alcoholic Steatohepatitis (NASH). Basic principles of disease progression, the genetic and nutritional basis of NAFLD and NASH are explained along with the proteomic principles underlying biomarker development. Chapters cover both biochemical and imaging biomarkers used in elastography and ultrasound and discuss how these are applicable to early diagnosis and monitoring of NASH and NAFLD. This is a useful resource for hepatologists, primary care providers with an interest in metabolic disease, diabetologists and endocrinologists in their daily clinical practice.

This book presents the latest developments in bioinformatics, highlighting the importance of bioinformatics in genomics, transcriptomics, metabolism and cheminformatics analysis, as well as in drug discovery and development. It covers tools, data mining and analysis, protein analysis, computational vaccine, and drug design. Covering cheminformatics, computational evolutionary biology and the role of next-generation sequencing and neural network analysis, it also discusses the use of bioinformatics tools in the development of precision medicine. This book offers a valuable source of information for not only beginners in bioinformatics, but also for students, researchers, scientists, clinicians, practitioners, policymakers, and stakeholders who are interested in harnessing the potential of bioinformatics in many areas.

A How-to Manual

Pediatric Gender Assignment

Knitting Times

Clinical Pathology

Primary Care

In this, the first book-length study of Cooper's life and work, Diarmuid Hester shows that such comparisons hardly scratch the surface. A lively retrospective appraisal of Cooper's fifty-year career. Wrong tracks the emergence of Cooper's singular style alongside his participation in a number of American subcultural movements like New York School poetry, punk rock, and radical queercore music and zines.

Barry G. Hall helps beginners get started in creating phylogenetic trees from protein or nucleic acid sequence data.

Combines the latest findings from the field and the laboratory with panel and workshop summaries from a recent international conference.

The Polymer Blends Handbook is a fundamental reference work on polymer blends, covering all aspects: science, engineering, technology and application. It will appeal to anyone working in the field of blends, researchers as well as engineers. The Handbook is designed to be the source of information on all aspects of polymer blends. To this end the Editors have put together an international group of highly respected contributors, each an expert in his chosen subjects.

Energy Research Abstracts

Spin Electronics

A Critical Biography of Dennis Cooper

Advances in Bioinformatics

From Biogenic Amines to New Mechanisms of Action

A Phylogenetic Approach

Semiannual, with semiannual and annual indexes. References to all scientific and technical literature coming from DOE, its laboratories, energy centers, and contractors. Includes all works deriving from DOE, other related government-sponsored information, and foreign nonnuclear information. Arranged under 39 categories, e.g., Biomedical sciences, basic studies; Biomedical sciences, applied studies; Health and safety; and Fusion energy. Entry gives bibliographical information and abstract. Corporate, author, subject, report number indexes.

The fifth international Conference in Medical Image Computing and Computer Assisted Intervention (MICCAI 2002) was held in Tokyo from September 25th to 28th, 2002. This was the first time that the conference was held in Asia since its foundation in 1998. The objective of the conference is to offer clinicians and scientists the opportunity to collaboratively create and explore the new medical field.

Specifically, MICCAI offers a forum for the discussion of the state of art in computer-assisted interventions, medical robotics, and image processing among experts from multi-disciplinary professions, including but not limited to clinical doctors, computer scientists, and mechanical and biomedical engineers. The expectations of society are very high; the advancement of medicine will depend on computer and device technology in coming decades, as they did in the last decades. We received 321 manuscripts, of which 41 were chosen for oral presentation and 143 for poster presentation. Each paper has been included in these proceedings in eight-page full paper format, without any differentiation between oral and poster papers. Adherence to this full paper format, along with the increased number of manuscripts, surpassing all our expectations, has led us to issue two proceedings volumes for the first time in MICCAI's history. Keeping to a single volume by assigning fewer pages to each paper was certainly an option for us considering our budget constraints. However, we decided to increase the volume to offer authors maximum opportunity to argue the state of art in their work and to initiate constructive discussions among the MICCAI audience.

This book represents the proceedings from a conference that took place in Dallas in the spring of 1999 which was entitled "Pediatric Gender Assignment - A Critical Reappraisal". Some participants rightfully argued that the conference really focused on the issue of pediatric gender assignment, and that reassignment was not applied in most cases. Their comments were reflected in the title of this monograph.

This multidisciplinary meeting was sponsored by a conference grant from the National Institutes of Health, and a broad inquiry into this complex topic took place from many points of view. Basic scientists offered insight into mechanisms of sexual differentiation of the gonads, physical phenotype and imprinting of the central nervous system. Endocrinologists reviewed their experience in diagnosis and management, surgeons described traditional as well as innovative approaches, and there was strong representation from the ethical and behavioral sciences. In putting together such a panel, it was essential that we identify a cast of speakers who could address their viewpoints with strong convictions, and yet not let their passions render the meeting counter productive. We were not disappointed. While many differing points of view were firmly expressed by the panelists and audience, all viewpoints were accorded the respect they deserved. The concept behind the meeting and this book really originated in 1997 shortly after Diamond and Sigmondson published their long term follow up study of the John/Jean case.

Genomic and Precision Medicine: Primary Care, Third Edition is an invaluable resource on the state-of-the-art tools, technologies and policy issues that are required to fully realize personalized health care in the area of primary care. One of the major areas where genomic and personalized medicine is most active is the realm of the primary care practitioner. Risk, family history, personal genomics and pharmacogenomics are becoming increasingly important to the PCP and their patients, and this book discusses the implications as they relate to primary care practitioners. Presents a comprehensive volume for primary care providers Provides succinct commentary and key learning points that will assist providers with their local needs for the implementation of genomic and personalized medicine Includes a current overview on major opportunities for genomic and personalized medicine in practice Highlights case studies that illustrate the practical use of genomics in the management in patients

Antidepressants

Natural Products Isolation

Japan Style Sheet

Molecular Evolutionary Genetics

5th International Conference, Tokyo, Japan, September 25-28, 2002, Proceedings, Part I

Public Health and Public Policy

This book provides an in depth and unparalleled presentation of the compositions of virtually all polymer blends.

This comprehensive, definitive reference in the field, incorporates all of today's explosive discoveries in basic and clinical endocrinology. Its reliable, cutting-edge guidance for a full range of problems is combined with a wealth of information on the physiological, biochemical, and genetic basis at the molecular biological level. Dr. Mark A. Sperling and 33 contributing experts bring readers the benefits of discovery at the bench and its application at the bedside. New chapters, extensive revisions, and compelling updates will keep readers at the forefront of the diagnosis and management of endocrine disease in children. Incorporates the explosive growth in molecular biology as it relates to developmental and pediatric endocrinology. Extensively revised and updated chapters throughout reflect the latest information. Coverage of up-to-the-minute topics in the field, including molecular, biochemical, and clinical basis of hyperinsulinemic hypoglycemia of infancy and childhood diabetes mellitus energy balance/obesity growth hormone paradigms of mechanisms of hormone action, and others Contributions from new authors from distinguished institutions Numerous brand-new illustrations depict the most current information, particularly the basic science/genetic basis of certain entities

-- "The Scientist"

Sample Text

The Social Ecology of Resilience

Polymer Blends Handbook

Population Genetics

Textile Technology Digest

Latino Peoples in the New America

Pediatric Endocrinology

This open access book describes marked advances in imaging technology that have enabled the visualization of phenomena in ways formerly believed to be completely impossible. These technologies have made major contributions to the elucidation of the pathology of diseases as well as to their diagnosis and therapy. The volume presents various studies from molecular imaging to clinical imaging. It also focuses on innovative, creative, advanced research that gives full play to imaging technology in the broad sense, while exploring cross-disciplinary areas in which individual research fields interact and pursuing the development of new techniques where they fuse together. The book is separated into three parts, the first of which addresses the topic of visualizing and controlling molecules for life. The second part is devoted to imaging of disease mechanisms, while the final part comprises studies on the application of imaging technologies to diagnosis and therapy. The book contains the proceedings of the 12th Uehara International Symposium 2017, " Make Life Visible " sponsored by the Uehara Memorial Foundation and held from June 12 to 14, 2017. It is written by leading scientists in the field and is an open access publication under a CC BY 4.0 license.

Japan Style SheetThe SWET Guide for Writers, Editors, and TranslatorsStone Bridge Press
Natural Products Isolation: Second Edition presents a practical overview of just how natural products can be extracted, prepared, and isolated from the source material. Maintaining the main theme and philosophy of the first edition, this second edition incorporates all the new significant developments in this field of research. The chapters are divided into four distinct sections: introduction, extraction, chromatography, and special topics. This second edition provides substantial background information for natural product researchers and will prove a useful reference guide to all of the available techniques.

The purpose of this Special Issue is to provide a thorough and up-to-date presentation of research investigating the impact of coffee and/or caffeine intake on various health outcomes. We welcome the submission of original research articles and/or systematic Reviews/meta-analyses focusing on several aspects of coffee/caffeine intake in relation to human health. Areas of interest include, but are not limited to, the following topics: - Human clinical trials of coffee or caffeine use in relation to disease or intermediate phenotypes. - Epidemiological studies of habitual coffee or caffeine intake in relation to human health, among the general public, as well as, among special populations (i.e., children, pregnant women, diabetics, cancer patients, hypertensives, etc.) - Mechanisms of action of nutrients and other bioactive components of coffee/caffeine. - Studies integrating genetic or physiological markers of coffee/caffeine intake to investigations of coffee and health.

NAFLD and NASH

Coagulase-negative Staphylococci

Make Life Visible

The Impact of Caffeine and Coffee on Human Health

Wrong

Biology and Conservation

A Chicago Style Manual-type guide for anyone working on English-language publications about Japan. Primarily for nonspecialists, it also contains advice and lists of resources for translators and researchers.

The history of scientific research and technological development is replete with examples of breakthroughs that have advanced the frontiers of knowledge, but seldom does it record events that constitute paradigm shifts in broad areas of intellectual pursuit. One notable exception, however, is that of spin electronics (also called spintronics, magnetoelectronics or magnetronics), wherein information is carried by electron spin in addition to, or in place of, electron charge. It is now well established in scientific and engineering communities that Moore's Law, having been an excellent predictor of integrated circuit density and computer performance since the 1970s, now faces great challenges as the scale of electronic devices has been reduced to the level where quantum effects become significant factors in device operation. Electron spin is one such effect that offers the opportunity to continue the gains predicted by Moore's Law, by taking advantage of the confluence of magnetics and semiconductor electronics in the newly emerging discipline of spin electronics. From a fundamental viewpoint, spin-polarization transport in a material occurs when there is an imbalance of spin populations at the Fermi energy. In ferromagnetic metals this imbalance results from a shift in the energy states available to spin-up and spin-down electrons. In practical applications, a ferromagnetic metal may be used as a source of spin-polarized electronics to be injected into a semiconductor, a superconductor or a normal metal, or to tunnel through an insulating barrier.

This book aims to make population genetics approachable, logical and easily understood. To achieve these goals, the book 's design emphasizes well explained introductions to key principles and predictions. These are augmented with case studies as well as illustrations along with introductions to classical hypotheses and debates. Pedagogical features in the text include: Interact boxes that guide readers step-by-step through computer simulations using public domain software. Math boxes that fully explain mathematical derivations. Methods boxes that give insight into the use of actual genetic data. Numerous Problem boxes are integrated into the text to reinforce concepts as they are encountered. Dedicated website at www.wiley.com/go/hamiltongenetics This text also offers a highly accessible introduction to coalescent theory, the major conceptual advance in population genetics of the last two decades.

Medical Image Computing and Computer-Assisted Intervention - MICCAI 2002

A Handbook of Theory and Practice

Duncan and Prasse's Veterinary Laboratory Medicine

Giant Pandas

Forthcoming Books

Analysis of Phylogeny and Character Evolution