

Elements In Literature Online Textbook

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The Elements of Style William Strunk Jr. 2018-05-11 The Elements of Style William Strunk concentrated on specific questions of usage—and the cultivation of good writing—with the recommendation "Make every word tell"; hence the 17th principle of composition is the simple instruction: "Omit needless words." The book was also listed as one of the 100 best and most influential books written in English since 1923 by Time in its 2011 list.

Technology Integration for Meaningful Classroom Use: A Standards-Based Approach Katherine Cennamo 2013-01-01 Updated and streamlined for easier use, TECHNOLOGY INTEGRATION FOR MEANINGFUL CLASSROOM USE: A STANDARDS-BASED APPROACH, Second Edition, equips readers with the knowledge, creative and critical thinking skills, and confidence needed to become self-directed learners who can successfully navigate the constantly changing environment of technology integration in the classroom. Using the principles of self-directed learning as its foundation, the book aims to help readers learn to evaluate and reflect on professional practice to make informed decisions regarding the use of technology in support of student learning. The first educational technology book organized around the 2008 National Educational Technology Standards for Teachers (NETS-T) developed by the International Society for Technology in Education (ISTE), this standards-based approach provides the framework for developing, modeling, and teaching the skills and knowledge necessary for integrating technology in authentic teaching and learning. An end-of-book supplement provides examples of technology integration in practice within specific content areas, guided by the national standards that apply to each content domain. Available with InfoTrac Student Collections <http://gocengage.com/infotrac>. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Deep Learning Ian Goodfellow 2016-11-10 An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques used in industry, and research perspectives. "Written by three experts in the field, Deep Learning is the only comprehensive book on the subject." —Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX Deep learning is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. Because the computer gathers knowledge from experience, there is no need for a human computer operator to formally specify all the knowledge that the computer needs. The hierarchy of concepts allows the computer to learn complicated concepts by building them out of simpler ones; a graph of these hierarchies would be many layers deep. This book introduces a broad range of topics in deep learning. The text offers mathematical

and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning. It describes deep learning techniques used by practitioners in industry, including deep feedforward networks, regularization, optimization algorithms, convolutional networks, sequence modeling, and practical methodology; and it surveys such applications as natural language processing, speech recognition, computer vision, online recommendation systems, bioinformatics, and videogames. Finally, the book offers research perspectives, covering such theoretical topics as linear factor models, autoencoders, representation learning, structured probabilistic models, Monte Carlo methods, the partition function, approximate inference, and deep generative models. Deep Learning can be used by undergraduate or graduate students planning careers in either industry or research, and by software engineers who want to begin using deep learning in their products or platforms. A website offers supplementary material for both readers and instructors.

Spinning the Semantic Web Dieter Fensel 2005 A guide to the Semantic Web, which will transform the Web into a structured network of resources organized by meaning and relationships.

Creating Online Tutorials Hannah Gascho Rempel 2015-07-16 Today's students rely heavily on using electronic resources; they expect to be able to access library resources from any location and at any time of the day. More and more schools, from K-12 through graduate level universities, are offering online education, and libraries must be prepared to guide learners in how to use library resources when and where they are needed. Online tutorials are the library's answer to providing this immediate instruction, and today's learners are expecting to have these guides available. Many librarians don't have the technical expertise needed to create online tutorials. *Creating Online Tutorials: A Practical Guide for Librarians* will help guide them through the basics of designing and producing an online tutorial. Through practical examples, the book will guide librarians just starting the process of creating an online tutorial from start to finish and will provide tips that will be useful to librarians with more experience in designing online tutorials. This detailed roadmap for designing and producing online tutorials covers: When to consider a tutorial Needs assessment Choosing the right technology Selecting and organizing instructional content Planning—script, images, narration, other design elements Assessment as a primary design element Maintenance and updating Online tutorial resources After reading this book, new tutorial developers will have a practical, customizable blueprint that will enable them confidently address the creation of their first online tutorials, and experienced developers will learn efficient techniques to create and enhance

future tutorials that are attractive, effective teaching tools.

The World Book Encyclopedia 2002 An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.

Science Teaching Reconsidered National Research Council 1997-03-12 Effective science teaching requires creativity, imagination, and innovation. In light of concerns about American science literacy, scientists and educators have struggled to teach this discipline more effectively. Science Teaching Reconsidered provides undergraduate science educators with a path to understanding students, accommodating their individual differences, and helping them grasp the methods-- and the wonder--of science. What impact does teaching style have? How do I plan a course curriculum? How do I make lectures, classes, and laboratories more effective? How can I tell what students are thinking? Why don't they understand? This handbook provides productive approaches to these and other questions. Written by scientists who are also educators, the handbook offers suggestions for having a greater impact in the classroom and provides resources for further research.

Handbook of Research on Virtual Training and Mentoring of Online Instructors

Keengwe, Jared 2018-07-06 To meet the dynamic academic demands of twenty-first century digital learners, many institutions of higher learning are offering more online classes than ever before that are accessible to both traditional and non-traditional learners. As such, a growing demand for online courses implies that participating institutions provide faculty with appropriate professional development programs to ensure the design and delivery of quality online courses. The Handbook of Research on Virtual Training and Mentoring of Online Instructors is a critical scholarly resource that highlights the issues, challenges, and online engagement experiences to enhance effective teaching and learning in this learning environment. Featuring coverage on a broad range of topics such as media literacy, professional development, and virtual learning environments, this book is geared towards educational administrators, educators, and instructional designers interested in quality online instruction.

The Mathematical Theory of Finite Element Methods Susanne Brenner 2013-03-14 A rigorous and thorough mathematical introduction to the subject; A clear and concise treatment of modern fast solution techniques such as multigrid and domain decomposition algorithms; Second edition contains two new chapters, as well as many new exercises; Previous edition sold over 3000 copies worldwide

R Markdown Yihui Xie 2018-07-27 R Markdown: The Definitive Guide is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem. With R Markdown, you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, dissertations, websites, and journal articles, while enjoying the simplicity of Markdown and the great power of R and other languages. In this book, you will learn Basics: Syntax of Markdown and R code chunks, how to generate figures and tables, and how to use other computing languages Built-in output formats of R Markdown: PDF/HTML/Word/RTF/Markdown documents and ioslides/Slidy/Beamer/PowerPoint presentations Extensions and applications: Dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials Advanced topics: Parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published three other books, Dynamic Documents with R and knitr, bookdown: Authoring Books and Technical

Documents with R Markdown, and blogdown: Creating Websites with R Markdown. J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several packages in the R Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix. Garrett Golemund is the co-author of R for Data Science and author of Hands-On Programming with R. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.

Artificial Immune Systems: A New Computational Intelligence Approach Leandro Nunes de Castro 2002-09-23 Recently there has been a growing interest in the use of the biological immune system as a source of inspiration for solving complicated computational problems. The immune system involves many information-processing abilities including pattern recognition, learning, memory and inherent distributed parallel processing and for these, and other reasons, it has received a significant amount of interest as a metaphor within computing. This emerging field is known as Artificial Immune Systems (AIS), and applications of AIS include, machine learning, fault diagnosis, computer security, scheduling, virus detection and optimisation.

Behaving Kenneth F. Schaffner 2016-05-02 Behaving presents an overview of the recent history and methodology of behavioral genetics and psychiatric genetics, informed by a philosophical perspective. Kenneth F. Schaffner addresses a wide range of issues, including genetic reductionism and determinism, "free will," and quantitative and molecular genetics. The latter covers newer genome-wide association studies (GWAS) that have produced a paradigm shift in the subject, and generated the problem of "missing heritability." Schaffner also presents cases involving pro and con arguments for genetic testing for IQ and for Attention Deficit Hyperactivity Disorder (ADHD). Schaffner examines the nature-nurture controversy and Developmental Systems Theory using *C. elegans* or "worm" studies as a test case, concluding that genes are special and provide powerful tools, including "deep homology," for investigating behavior. He offers a novel account of biological knowledge emphasizing the importance of models, mechanisms, pathways, and networks, which clarifies how partial reductions provide explanations of traits and disorders. The book also includes examinations of personality genetics and of schizophrenia and its etiology, alongside interviews with prominent researchers in the area, and discusses debates about psychosis that led to changes in the DSM-5 in 2013. Schaffner concludes by discussing additional philosophical implications of the genetic analyses in the book, some major worries about "free will," and arguments pro and con about why genes and DNA are so special. Though genes are special, newer perspectives presented in this book will be needed for progress in behavioral genetics- perspectives that situate genes in complex multilevel prototypic pathways and networks. With a mix of optimism and pessimism about the state of the field and the subject, Schaffner's book will be of interest to scholars in the history and philosophy of science, medicine, and psychiatry.

Elements of Robotics Mordechai Ben-Ari 2017-10-25 This open access book bridges the gap between playing with robots in school and studying robotics at the upper undergraduate and graduate levels to prepare for careers in industry and research. Robotic algorithms are presented formally, but using only mathematics known by high-school and first-year college students, such as calculus, matrices and probability. Concepts and algorithms are explained through detailed diagrams and calculations. Elements of Robotics presents an overview of different types of robots and the components used to build robots, but focuses on robotic algorithms:

simple algorithms like odometry and feedback control, as well as algorithms for advanced topics like localization, mapping, image processing, machine learning and swarm robotics. These algorithms are demonstrated in simplified contexts that enable detailed computations to be performed and feasible activities to be posed. Students who study these simplified demonstrations will be well prepared for advanced study of robotics. The algorithms are presented at a relatively abstract level, not tied to any specific robot. Instead a generic robot is defined that uses elements common to most educational robots: differential drive with two motors, proximity sensors and some method of displaying output to the user. The theory is supplemented with over 100 activities, most of which can be successfully implemented using inexpensive educational robots. Activities that require more computation can be programmed on a computer. Archives are available with suggested implementations for the Thymio robot and standalone programs in Python.

Homeschooling For Dummies Jennifer Kaufeld 2020-08-06 Select the right curriculum Create the perfect homeschooling space Design a schedule that works for you What you should know to become a homeschooling pro! Interest in homeschooling was booming even before the coronavirus pandemic inspired many parents to consider the homeschooling choice as an alternative to in-person classroom learning. Fully updated with new resources and technologies, this guide is just what you need to help you decide whether homeschooling is right for your family. Learn about the rewards and challenges presented by homeschooling, how to ensure that your children receive a well-rounded education, where to find tools that help you develop appropriate curricula, and how to connect with the homeschooling community. Inside... Creating a curriculum Meeting state and federal guidelines How to encourage socialization Using online courses Tips for keeping life in balance Creating or joining a homeschooling community Caring for special needs *Story Elements: Grades 3-6: Using Literature to Teach Literary Elements* Rebecca Stark 2016 It is important that students learn to analyze and interpret the literature they read-not only for good results on standardized tests, but also for enjoyment throughout their lives. To get the most out of what they read, they should be able to analyze a work's literary elements. This book is designed to help students in grades three through six achieve that goal.

Elements of Literature Kylee Beers 2009-01-01

Resources in Education 1998-05

Elements of Literature Robert Scholes 1991 Providing the most thorough coverage available in one volume, this comprehensive, broadly based collection offers a wide variety of selections in four major genres, and also includes a section on film. Each of the five sections contains a detailed critical introduction to each form, brief biographies of the authors, and a clear, concise editorial apparatus. Updated and revised throughout, the new Fourth Edition adds essays by Margaret Mead, Russell Baker, Joan Didion, Annie Dillard, and Alice Walker; fiction by Nathaniel Hawthorne, Ursula K. LeGuin, Anton Chekov, James Joyce, Katherine Mansfield, F. Scott Fitzgerald, William Faulkner, Alice Walker, Louise Erdrich, Donald Barthelme, and James McPherson; poems by John Donne, Robert Browning, Walt Whitman, Edwin Arlington Robinson, e.e. cummings, Langston Hughes, W.H. Auden, Philip Levine, and Louise Gluck; and plays by August Wilson, Marsha Norman, Wendy Wasserstein, and Vaclav Havel. The chapter devoted to film examines the relation of film to literature and gives the complete screenplay for Citizen Kane plus close analysis of a scene from the film. With its innovative structure, comprehensive coverage, and insightful and stimulating presentation of all kinds of literature, this is an anthology readers will turn to again and again.

Introduction to Information Retrieval Christopher D. Manning 2008-07-07 Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Elements of Literature Robert Scholes 2004 *Elements of Literature: Third Canadian Edition* provides Canadian students with an unmatched collection of short fiction, poetry, and drama. Designed to help students develop a coherent, contemporary appreciation of literature, the anthology provides a rich array of selections including works by Canadian, British, and American authors, as well as writers of other nationalities. The selection of poetry ranges from Chaucer to contemporary poets, while the drama section offers examples of tragedy and comedy from classical times to the present.

Textbook of Adult Emergency Medicine E-Book Peter Cameron 2014-04-01 Now fully revised and updated, *Textbook of Adult Emergency Medicine* provides clear and consistent coverage of this rapidly evolving specialty. Building on the success of previous editions, it covers all the major topics that present to the trainee doctor in the emergency department. It will also prove invaluable to the range of other professionals working in this setting - including nurse specialists and paramedics - who require concise, highly practical guidance, incorporating latest best practices and current guidelines. For the first time, this edition now comes with access to additional ancillary material, including practical procedure videos and self-assessment material. Updates throughout reflect latest practice developments, curricula requirements and essential guidelines Key point boxes highlight topic 'essentials' as well as controversial areas of treatment An expanded list of leading international contributors ensures comprehensive coverage and maximizes worldwide relevance New and enhanced coverage of important and topical areas - including latest imaging in emergency medicine; organ donation; massive transfusion protocols; medico legal issues; patient safety and quality measures All new accompanying electronic ancillary material, including procedure videos and self-assessment materials to check your understanding and aid exam preparation Expansion of administration section - especially patient safety New and enhanced coverage of important and topical areas - including latest imaging in emergency medicine; organ donation; massive transfusion protocols; medico legal issues; patient safety and quality measures All new accompanying electronic ancillary materials - including practical procedures videos and self-assessment materials

The Collection Program in Schools: Concepts and Practices, 7th Edition Marcia A. Mardis 2021-07-31 This thorough treatment of collection development for school library educators, students, and practicing school librarians provides quick access to information. This seventh edition of *The Collection Program in Schools* is updated in several key areas. It provides an overview of key education trends

affecting school library collections, such as digital textbooks, instructional improvement systems, STEM priorities, and open educational resources (OER) use and reuse. Topics of discussion include the new AASL standards as they relate to the collection; the idea of crowdsourcing in collection development; and current trends in the school library profession, such as Future Ready Librarians and new standards from the National Board for Professional Teaching Standards. Each chapter has been updated and revised with new material, and particular emphasis is placed on disaster preparedness and response as they pertain to policies, circulation, preservation, and moving or closing a collection. This edition also includes updates to review of curation and community analysis principles as they affect the development of the library collection. Serves as a complete guide to collection management for students as well as practitioners Addresses current educational initiatives and new AASL standards Provides creative strategies for working in a climate of change and uncertainty Looks in depth at disaster recovery policies and procedures needed for collection

Finite Elements I Alexandre Ern 2021-03-22 This book is the first volume of a three-part textbook suitable for graduate coursework, professional engineering and academic research. It is also appropriate for graduate flipped classes. Each volume is divided into short chapters. Each chapter can be covered in one teaching unit and includes exercises as well as solutions available from a dedicated website. The salient ideas can be addressed during lecture, with the rest of the content assigned as reading material. To engage the reader, the text combines examples, basic ideas, rigorous proofs, and pointers to the literature to enhance scientific literacy. Volume I is divided into 23 chapters plus two appendices on Banach and Hilbert spaces and on differential calculus. This volume focuses on the fundamental ideas regarding the construction of finite elements and their approximation properties. It addresses the all-purpose Lagrange finite elements, but also vector-valued finite elements that are crucial to approximate the divergence and the curl operators. In addition, it also presents and analyzes quasi-interpolation operators and local commuting projections. The volume starts with four chapters on functional analysis, which are packed with examples and counterexamples to familiarize the reader with the basic facts on Lebesgue integration and weak derivatives. Volume I also reviews important implementation aspects when either developing or using a finite element toolbox, including the orientation of meshes and the enumeration of the degrees of freedom.

Literature and Language Learning in the EFL Classroom Masayuki Teranishi 2015-08-03 This book examines how literary texts can be incorporated into teaching practices in an EFL classroom. It takes a multi-faceted approach to how English language teaching and learning can best be developed through presentation and exploration of literary texts.

Writing and Literature Tanya Long Bennett 2018-01-10 In the age of Buzzfeeds, hashtags, and Tweets, students are increasingly favoring conversational writing and regarding academic writing as less pertinent in their personal lives, education, and future careers. Writing and Literature: Composition as Inquiry, Learning, Thinking and Communication connects students with works and exercises and promotes student learning that is kairotic and constructive. Dr. Tanya Long Bennett, professor of English at the University of North Georgia, poses questions that encourage active rather than passive learning. Furthering ideas presented in *Contribute a Verse: A Guide to First-Year Composition* as a complimentary companion, Writing and Literature builds a new conversation covering various genres of literature and writing. Students learn the various writing styles

appropriate for analyzing, addressing, and critiquing these genres including poetry, novels, dramas, and research writing. The text and its pairing of helpful visual aids throughout emphasizes the importance of critical reading and analysis in producing a successful composition. Writing and Literature is a refreshing textbook that links learning, literature, and life.

The Cambridge History of the Book in Britain Former Director of the Warburg Institute and Professor Emeritus of the History of Classical Tradition J B Trapp 1998 The history of the book from 1400 to 1557: the transition from manuscripts to printed books.

Common Core: Elements of Literature, Grades 6 - 8 Linda Armstrong 2013-12-01 Centered around Common Core State Standards, Common Core: Elements of Literature is designed to help students understand such complex elements of literature as irony and symbolism. Practice pages, student charts, graphic organizers, research challenges, discussion starters, writing prompts, games, group activities, and recommended reading lists enable students to practice: Pinpointing character, setting, plot, and theme; uncovering common symbols in fiction; detecting similes, metaphors, and other figures of speech; spotting verbal, situational, and dramatic irony; and recognizing allegory, parody, and satire. Mark Twain Media Publishing Company specializes in providing captivating, supplemental books and decorative resources to complement middle- and upper-grade classrooms. Designed by leading educators, the product line covers a range of subjects including mathematics, sciences, language arts, social studies, history, government, fine arts, and character. Mark Twain Media also provides innovative classroom solutions for bulletin boards and interactive whiteboards. Since 1977, Mark Twain Media has remained a reliable source for a wide variety of engaging classroom resources.

Using the Engineering Literature, Second Edition Bonnie A. Osif 2016-04-19 With the encroachment of the Internet into nearly all aspects of work and life, it seems as though information is everywhere. However, there is information and then there is correct, appropriate, and timely information. While we might love being able to turn to Wikipedia® for encyclopedia-like information or search Google® for the thousands of links on a topic, engineers need the best information, information that is evaluated, up-to-date, and complete. Accurate, vetted information is necessary when building new skyscrapers or developing new prosthetics for returning military veterans While the award-winning first edition of Using the Engineering Literature used a roadmap analogy, we now need a three-dimensional analysis reflecting the complex and dynamic nature of research in the information age. Using the Engineering Literature, Second Edition provides a guide to the wide range of resources available in all fields of engineering. This second edition has been thoroughly revised and features new sections on nanotechnology as well as green engineering. The information age has greatly impacted the way engineers find information. Engineers have an effect, directly and indirectly, on almost all aspects of our lives, and it is vital that they find the right information at the right time to create better products and processes. Comprehensive and up to date, with expert chapter authors, this book fills a gap in the literature, providing critical information in a user-friendly format.

Directory Modern Language Association of America 2002

Elements of Literature G. Kylene Beers 2006-01-01

AP® English Literature & Composition Crash Course, For the New 2020 Exam, Book + Online Dawn Hogue 2019-09-06 "REA: the test prep AP teachers recommend."

Elements of Literature Fourth Course Kylene Beers 2008-06-20

Literature as National Institution Vassilis Lambropoulos 1988 This book examines

how the practices of criticism establish a particular domain of knowledge, the truth of literature. As a discussion of the ideology and politics of literary knowledge, it concentrates on constitutive elements of its production: the intertextuality of writing, the mediatedness of understanding, the formative role of reading expectations, the enabling presence of relevant literacy, the conditioning horizon of expectations, and the economic character of axiology. The main argument advanced is that criticism, by constructing literature as an ethnic heritage and communal treasure, participated in the invention of a national identity necessary for the legitimization of the modern state. Case studies have been selected from the highly relevant area of contemporary Greek criticism. Microscopic investigations of its dominant sites, mechanisms, and discourses reveal that the field emerged in response to concrete political needs and provided the state with a literary tradition as proof of its national composition, purity, continuity, and autonomy. The construction and canonization of texts as art works invariably employed, as a measure of aesthetic (and ultimately moral) merit, the Greekness of the literary sign. The book, as a genealogical approach to the neglected national role of literature, should be of interest to specialists in literary theory, comparative literature, Greek studies, and cultural studies. Originally published in 1988. 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 paperback editions preserve the original texts of these important books while presenting them in durable paperback 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.

Medical Devices and Systems Joseph D. Bronzino 2006-04-19 Over the last century, medicine has come out of the "black bag" and emerged as one of the most dynamic and advanced fields of development in science and technology. Today, biomedical engineering plays a critical role in patient diagnosis, care, and rehabilitation. More than ever, biomedical engineers face the challenge of making sure that medical d

The Elements of Academic Style Eric Hayot 2014-08-26 Eric Hayot teaches graduate students and faculty in literary and cultural studies how to think and write like a professional scholar. From granular concerns, such as sentence structure and grammar, to big-picture issues, such as adhering to genre patterns for successful research and publishing and developing productive and rewarding writing habits, Hayot helps ambitious students, newly minted Ph.D.'s, and established professors shape their work and develop their voices. Hayot does more than explain the techniques of academic writing. He aims to adjust the writer's perspective, encouraging scholars to think of themselves as makers and doers of important work. Scholarly writing can be frustrating and exhausting, yet also satisfying and crucial, and Hayot weaves these experiences, including his own trials and tribulations, into an ethos for scholars to draw on as they write. Combining psychological support with practical suggestions for composing introductions and conclusions, developing a schedule for writing, using notes and citations, and structuring paragraphs and essays, this guide to the elements of academic style does its part to rejuvenate scholarship and writing in the humanities.

bookdown Yihui Xie 2016-12-12 bookdown: Authoring Books and Technical Documents with R Markdown presents a much easier way to write books and technical publications than traditional tools such as LaTeX and Word. The bookdown package inherits the simplicity of syntax and flexibility for data analysis from R

Markdown, and extends R Markdown for technical writing, so that you can make better use of document elements such as figures, tables, equations, theorems, citations, and references. Similar to LaTeX, you can number and cross-reference these elements with bookdown. Your document can even include live examples so readers can interact with them while reading the book. The book can be rendered to multiple output formats, including LaTeX/PDF, HTML, EPUB, and Word, thus making it easy to put your documents online. The style and theme of these output formats can be customized. We used books and R primarily for examples in this book, but bookdown is not only for books or R. Most features introduced in this book also apply to other types of publications: journal papers, reports, dissertations, course handouts, study notes, and even novels. You do not have to use R, either. Other choices of computing languages include Python, C, C++, SQL, Bash, Stan, JavaScript, and so on, although R is best supported. You can also leave out computing, for example, to write a fiction. This book itself is an example of publishing with bookdown and R Markdown, and its source is fully available on GitHub.

An Introduction to Statistical Learning Gareth James 2013-06-24 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.

Destination Dissertation Sonja K. Foss 2015-10-23 Your dissertation is not a hurdle to jump or a battle to fight; as this handbook makes clear, your dissertation is the first of many destinations on the path of your professional career. Destination Dissertation guides you to the successful completion of your dissertation by framing the process as a stimulating and exciting trip—one that can be completed in fewer than nine months and by following twenty-nine specific steps. Sonja Foss and William Waters—your guides on this trip—explain concrete and efficient processes for completing the parts of the dissertation that tend to cause the most delays: conceptualizing a topic, developing a pre-proposal, writing a literature review, writing a proposal, collecting and analyzing data, and writing the last chapter. This guidebook is crafted for use by students in all disciplines and for both quantitative and qualitative dissertations, and incorporates a wealth of real-life examples from every step of the journey.

Neuronal Dynamics Wulfram Gerstner 2014-07-24 This solid introduction uses the

principles of physics and the tools of mathematics to approach fundamental questions of neuroscience.

Directory of Distance Learning Opportunities Modoc Press 2003 Offers information on more than six thousand K-12 courses and programs offered through correspondence or electronic delivery systems in the United States.