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[Mining of Massive Datasets](#) Cambridge University Press

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Textbook Equity Edition: 2012 This text is intended for one-year introductory courses requiring algebra and some trigonometry, but

no calculus. College Physics is organized such that topics are introduced conceptually with a steady progression to precise definitions and analytical applications. The analytical aspect (problem solving) is tied back to the conceptual before moving on to another topic. Each introductory chapter, for example, opens with an engaging photograph relevant to the subject of the chapter and interesting applications that are easy for most students to visualize. For manageability the original text is available in three volumes. Full color PDF's are free at [www.textbookequity.org](http://www.textbookequity.org)

**How to Speak and Write Correctly** BoD - Books on Demand

Online Education Policy and Practice examines the past, present, and future of networked learning environments and the changing role of faculty within them. As digital technologies in higher education increasingly enable blended classrooms, collaborative assignments, and wider student access, an understanding of the creation and ongoing developments of these platforms is needed more than ever. By investigating the history of online education, the rise and critique of MOOCs, the mainstreaming of social media, mobile devices, gaming in instruction, and more, this expansive book outlines a variety of potential scenarios likely to become realities in higher education over the next decade.

[College Success](#) Cambridge University Press

JavaScript is at the heart of almost every modern Web application, whether it's Google Apps, Twitter, or the newest browser-based game. Though it's simple for beginners to pick up and play with, JavaScript is not a toy—it's a flexible and complex language that can be used to build full-scale applications. Eloquent JavaScript dives into this flourishing language and teaches you to write code that's beautiful and effective. By immersing you in example code and encouraging experimentation right from the start, the author quickly gives you the tools you need to build your own programs. As you follow along with examples like an artificial life simulation and a version of the classic game Sokoban, you'll learn to:

- Understand the essential elements of programming: syntax, control, and data
- Use object-oriented and functional programming techniques to organize and clarify your programs
- Script the browser and make

basic Web applications – Work with tools like regular expressions and XMLHttpRequest objects And since programming is an art that's best learned by doing, all example code is available online in an interactive sandbox for you to experiment with. With Eloquent JavaScript as your guide, you can tweak, expand, and modify the author's code, or throw it away and build your own creations from scratch. Before you know it, you'll be fluent in the language of the Web.

*Strategies for Building a Web 2.0 Learning Environment* No Starch Press

An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.

[A Massively Collaborative Open U.S. History Textbook, Vol. 1: To 1877](#) The World Book

EncyclopediaAn encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.Operating SystemsThree Easy Pieces

Forecasting is required in many situations. Stocking an inventory may require forecasts of demand months in advance. Telecommunication routing requires traffic forecasts a few minutes ahead. Whatever the circumstances or time horizons involved, forecasting is an important aid in effective and efficient planning. This textbook provides a comprehensive introduction to forecasting methods and presents enough information about each method for readers to use them sensibly.

An Evidence-Based Approach JP Medical Ltd

"This book is organized around three concepts fundamental to OS construction: virtualization (of CPU and memory), concurrency (locks and condition variables), and persistence (disks, RAIDS, and file systems"--Back cover.

Mineralogy Lulu.com

Conservation Biology for All provides cutting-edge but basic conservation science to a global readership. A series of authoritative chapters have been written by the top names in conservation biology with the principal aim of disseminating cutting-edge conservation knowledge as widely as possible. Important topics such as balancing conservation and human needs, climate change, conservation planning, designing and analyzing conservation research, ecosystem services, endangered species management, extinctions, fire, habitat loss, and invasive species are covered. Numerous textboxes describing additional relevant material or case studies are also included. The global biodiversity crisis is now unstoppable; what can be saved in the developing world will require an educated constituency in both the developing and developed world. Habitat loss is particularly acute in developing countries, which is of special concern because it tends to be these locations

where the greatest species diversity and richest centres of endemism are to be found. Sadly, developing world conservation scientists have found it difficult to access an authoritative textbook, which is particularly ironic since it is these countries where the potential benefits of knowledge application are greatest. There is now an urgent need to educate the next generation of scientists in developing countries, so that they are in a better position to protect their natural resources.

#### U.S. History Wiley

George Orwell's *Nineteen Eighty-Four* is unquestionably the most famous dystopian novel of all times. Written in the year of 1948, the author swapped the last two digits while describing a future totalitarian society where the minds, attitudes and actions of the subjects are thoroughly scrutinized by the "Thought Police", suspected dissidents tracked down and where the worship of the mythical party leader Big Brother is forced upon the masses. The low-ranking party member Winston Smith begins secretly to question the whole system and initiates a forbidden love affair with another party member.

College Physics Textbook Equity Edition Volume 3 of 3: Chapters 25 - 34 OUP Oxford

Published by OpenStax College, *U.S. History* covers the breadth of the chronological history of the United States and also provides the necessary depth to ensure the course is manageable for instructors and students alike. *U.S. History* is designed to meet the scope and sequence requirements of most courses. The authors introduce key forces and major developments that together form the American experience, with particular attention paid to considering issues of race, class and gender. The text provides a balanced approach to U.S. history, considering the people, events and ideas that have shaped the United States from both the top down (politics, economics, diplomacy) and bottom up (eyewitness accounts, lived experience).

*The Past, Present, and Future of the Digital University* No Starch Press

*The Textbook of Influenza* is a comprehensive resource covering all aspects of influenza, from the genetic and molecular biology of the virus through to clinical aspects of the disease and the latest drug developments and treatments. This new edition has been completely revised and reflects the integration of disciplines concerning the emergence, evolution, pathogenesis and control of influenza viruses in the field of human and veterinary public health. *Textbook of Influenza* examines the lessons learnt from the latest pandemic and provides the current state of knowledge for many yet unresolved issues related to virus origin, spread, pathogenesis and disease severity to better prepare for future pandemics. It covers the background to recent advances in influenza genomics and reverse genetics which have allowed the identification of virus virulence factors and the analysis and reconstruction of influenza viruses such as the 1918 Spanish flu strain. This new edition is divided into eight key sections, containing chapters co-written by international experts from both the clinical and scientific communities, covering:

- Influenza Perspectives
- Structure and Replication

Evolution and Ecology • Epidemiology and Surveillance • Immunology • Vaccines and Vaccine Development • Clinical Aspects and Antivirals • Public Health Textbook of Influenza is for all those working in the area of influenza including clinical and basic scientists, immunologists, molecular and structural virologists, public health officials and global pandemic control planners.

*Automate the Boring Stuff with Python*, 2nd Edition CRC Press

*Learn the Easy Way to Speak and Write Well*. I found this book by accident while browsing through a now-defunct Los Angeles bookstore/cafe. It was the luckiest accident of my life. At that point I had been a professional writer for more than twenty years, but I rarely enjoyed my work, and I felt all of it was disposable in one way or another. At first, reading this book gave me an incredible, if unfamiliar, feeling of joy and self-confidence.

Afterwards, I began to surprise the hell out of myself in terms of what I was able to accomplish. This little book is very practical and precise. The best plan is to follow the best authors and these masters of language will guide you safely along the way. There are chapters devoted to all the essential components to make writing interesting. Devlin delivers a concise book that allows you to start improving your speech and writing quickly. Every writer should have this book as a ready reference and guide. Get Your Copy Now.

*An Introduction to the Event-Related Potential Technique*, second edition No Starch Press

*Introduction to Sociology 2e* adheres to the scope and sequence of a typical, one-semester introductory sociology course. It offers comprehensive coverage of core concepts, foundational scholars, and emerging theories, which are supported by a wealth of engaging learning materials. The textbook presents detailed section reviews with rich questions, discussions that help students apply their knowledge, and features that draw learners into the discipline in meaningful ways. The second edition retains the book's conceptual organization, aligning to most courses, and has been significantly updated to reflect the latest research and provide examples most relevant to today's students. In order to help instructors transition to the revised version, the 2e changes are described within the preface. The images in this textbook are grayscale. Authors include: Heather Griffiths, Nathan Keirns, Eric Strayer, Susan Cody-Rydzewski, Gail Scaramuzzo, Tommy Sadler, Sally Vyain, Jeff Bry, Faye Jones

*Royal Correspondence in the Hellenistic Period* MIT Press

*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.

*The Rust Programming Language (Covers Rust 2018)* Routledge

The application of causal inference methods is growing exponentially in fields that deal with observational data. Written by pioneers in the field, this practical book presents an authoritative yet accessible overview of the methods and applications of causal inference. With a wide range of detailed, worked examples using real epidemiologic data as well as software for replicating the analyses, the text provides a thorough introduction to the basics of the theory for non-time-varying treatments and the generalization to complex longitudinal data.

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A Modern Introduction to Programming "O'Reilly Media, Inc."

The sixth edition of Textbook of Ophthalmology has been completely revised to include the latest developments in the field. Beginning with an introduction to the anatomy and physiology of the eye, the book discusses different ocular diseases and their treatment. This edition includes new chapters on Cryotherapy and Laser Therapy. Each chapter includes references for further research and 1000 questions and answers help with review and revision. Almost 900 images and illustrations, as well as a DVD enhance learning and understanding.

Causal Inference Lulu.com

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. This student-friendly text is written in a casual, jargon-free style to present a modern introduction to mineralogy. It emphasizes real-world applications and the history and human side of mineralogy. The author approaches the subject by explaining the larger, understandable topics first, and then explaining why the "little things" are important for understanding the larger picture.

OphthoBook Createspace Independent Pub

A guide to an evidence-based approach for teaching college-level psychology courses Teaching Psychology offers an evidence-based, student-centered approach that is filled with suggestions, ideas, and practices for teaching college-level courses in ways that contribute to student success. The authors draw on current scientific studies of learning, memory, and development, with specific emphasis on classroom studies. The authors offer practical advice for applying scholarly research to teaching in ways that maximize student learning and personal growth. The authors endorse the use of backward course design, emphasizing the importance of identifying learning goals (encompassing skills and knowledge) and how to assess them, before developing the appropriate curriculum for achieving these goals. Recognizing the diversity of today's student population, this book offers guidance for culturally responsive, ethical teaching. The text explores techniques for teaching critical thinking, qualitative and quantitative reasoning, written and oral communication, information and technology literacy, and collaboration and teamwork. The authors explain how to envision the learning objectives teachers want their students to achieve and advise how to select assessments to evaluate if the learning objectives are being met. This important resource: Offers an evidence-based approach designed to help graduate students and new instructors embrace a student-centered approach to teaching; Contains a wealth of examples of effective student-centered teaching techniques; Surveys current findings from the Scholarship of Teaching and Learning; Draws on the American Psychological Association's five broad goals for the undergraduate Psychology major and shows how to help students build life-long skills; and, Introduces Universal Design for Learning as a framework to support diverse learners. Teaching Psychology offers an essential guide to evidence-based teaching and provides practical advice for becoming an effective teacher. This book is designed to help graduate students, new instructors, and those

wanting to update their teaching methods. It is likely to be particularly useful for instructors in psychology and other social science disciplines.

Import, Tidy, Transform, Visualize, and Model Data e-artnow

OphthoBook is the printed version of the amazing OphthoBook.com online book and video series. The combination of this text, along with the online video lectures, creates the most informative and easy-to-understand ophthalmology review ever written. It is geared toward medical students, optometry students, and non-ophthalmologists who want to learn more about the eye without getting bogged down with mindless detail. The book is broken down into ten chapters: 1. Eye History 2. Anatomy 3. Glaucoma 4. Retina 5. Infection 6. Neuroophthalmology 7. Pediatric Ophthalmology 8. Trauma 9. Optics 10. Lens and Cataract Each chapter also includes "pimp questions" you might be asked in a clinic. Also, an entire chapter of ophthalmology board-review questions, flashcards, and eye abbreviations. Perhaps most useful, each chapter corresponds to the 20-minute video lectures viewable at OphthoBook.com. And lots of fun cartoons!

The Internet: The Missing Manual Breton Publishing Company

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

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their products or platforms. A website offers supplementary material for both readers and instructors.

#### The American Yawp MIT Press

Astronomy is written in clear non-technical language, with the occasional touch of humor and a wide range of clarifying illustrations. It has many analogies drawn from everyday life to help non-science majors appreciate, on their own terms, what our modern exploration of the universe is revealing. The book can be used for either a one-semester or two-semester introductory course (bear in mind, you can customize your version and include only those chapters or sections you will be teaching.) It is made available free of charge in electronic form (and low cost in printed form) to students around the world. If you have ever thrown up your hands in despair over the spiraling cost of astronomy textbooks, you owe your students a good look at this one. Coverage and Scope

Astronomy was written, updated, and reviewed by a broad range of astronomers and astronomy educators in a strong community effort. It is designed to meet scope and sequence requirements of introductory astronomy courses nationwide.

Chapter 1: Science and the Universe: A Brief Tour  
Chapter 2: Observing the Sky: The Birth of Astronomy  
Chapter 3: Orbits and Gravity  
Chapter 4: Earth, Moon, and Sky  
Chapter 5: Radiation and Spectra  
Chapter 6: Astronomical Instruments  
Chapter 7: Other Worlds: An Introduction to the Solar System  
Chapter 8: Earth as a Planet  
Chapter 9: Cratered Worlds  
Chapter 10: Earthlike Planets: Venus and Mars  
Chapter 11: The Giant Planets  
Chapter 12: Rings, Moons, and Pluto  
Chapter 13: Comets and Asteroids: Debris of the Solar System  
Chapter 14: Cosmic Samples and the Origin of the Solar System  
Chapter 15: The Sun: A Garden-Variety Star  
Chapter 16: The Sun: A Nuclear Powerhouse  
Chapter 17: Analyzing Starlight  
Chapter 18: The Stars: A Celestial Census  
Chapter 19: Celestial Distances  
Chapter 20: Between the Stars: Gas and Dust in Space  
Chapter 21: The Birth of Stars and the Discovery of Planets outside the Solar System  
Chapter 22: Stars from Adolescence to Old Age  
Chapter 23: The Death of Stars  
Chapter 24: Black Holes and Curved Spacetime  
Chapter 25: The Milky Way Galaxy  
Chapter 26: Galaxies  
Chapter 27: Active Galaxies, Quasars, and Supermassive Black Holes  
Chapter 28: The Evolution and Distribution of Galaxies  
Chapter 29: The Big Bang  
Chapter 30: Life in the Universe

Appendix A: How to Study for Your Introductory Astronomy Course  
Appendix B: Astronomy Websites, Pictures, and Apps  
Appendix C: Scientific Notation  
Appendix D: Units Used in Science  
Appendix E: Some Useful Constants for Astronomy  
Appendix F: Physical and Orbital Data for the Planets  
Appendix G: Selected Moons of the Planets  
Appendix H: Upcoming Total Eclipses  
Appendix I: The Nearest Stars, Brown Dwarfs, and White Dwarfs  
Appendix J: The Brightest Twenty Stars  
Appendix K: The Chemical Elements  
Appendix L: The Constellations  
Appendix M: Star Charts and Sky Event Resources