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Elements of Fiction Writing - Conflict and SuspenseStructure and Interpretation of Computer Programs - 2nd EditionComputer VisionSubtle is the LordQualitative Text AnalysisThe Mathematical Theory of CommunicationEngineering Science N4Navy Planning, Programming, Budgeting and ExecutionEngineering a CompilerNetworking Seifert Surgeries on KnotsDigital Design and Computer ArchitectureMathematics N1Software AbstractionsA Book of Abstract AlgebraQualitative Research in Information SystemsStatistics for Political AnalysisBook Catalog of the Library and Information Services Division: Shelf List catalogIntroduction to Applied Linear AlgebraShaping BiologyBuilding Science N3NASA Technical MemorandumEngineering ScienceA First Course in Quality EngineeringOrbital Mechanics for Engineering StudentsLinear Models in StatisticsNonsampling Error in Social SurveysElectronic and Electrical EngineeringOptimization and Inventory ManagementAn Invitation to Modern Number TheoryIdentifying the CulpritMachine DrawingManual of Clinical AnesthesiologySocial Network Analysis for Ego-NetsBibliographic Guide to Computer ScienceMemorandumCurrent Index to Journals in Education Semi-Annual Cumulations, 1989Completing Your Qualitative DissertationIntroduction To AlgorithmsEducation NationMethods of Multivariate Analysis

Elements of Fiction Writing - Conflict and Suspense

A groundbreaking introduction to vectors, matrices, and least squares for engineering applications, offering a wealth of practical examples.

Structure and Interpretation of Computer Programs - 2nd Edition

This entirely revised second edition of Engineering a Compiler is full of technical updates and new material covering the latest developments in compiler technology. In this comprehensive text you will learn important techniques for constructing a modern compiler. Leading educators and researchers Keith Cooper and Linda Torczon combine basic principles with pragmatic insights from their experience building state-of-the-art compilers. They will help you fully understand important techniques such as compilation of imperative and object-oriented languages, construction of static single assignment forms, instruction scheduling, and graph-coloring register allocation. In-depth treatment of algorithms and techniques used in the front end of a modern compiler Focus on code optimization and code generation, the primary areas of recent research and development Improvements in presentation including conceptual overviews for each chapter, summaries and review questions for sections, and prominent placement of definitions for new terms Examples drawn from several different programming languages

Computer Vision

Subtle is the Lord

The third edition of this textbook improves on the strengths of the earlier editions both in content and presentation. Of the important features of the textbook is the inclusion of examples from real-world to illustrate use of quality methods in problem solving. A thorough revision is made of the text to make all chapters suitable for self-study as well.

Qualitative Text Analysis

Amstat News asked three review editors to rate their topfive favorite books in the September 2003 issue. Methods ofMultivariate Analysis was among those chosen. When measuring several variables on a complex experimental unit,it is often necessary to analyze the variables simultaneously,rather than isolate them and consider them individually.Multivariate analysis enables researchers to explore the jointperformance of such variables and to determine the effect of eachvariable in the presence of the others. The Second Edition of AlvinRencher's Methods of Multivariate Analysis provides studentsof all statistical backgrounds with both the fundamental and moresophisticated skills necessary to master the discipline. To illustrate multivariate applications, the author providesexamples and exercises based on fifty-nine real data sets from awide variety of scientific fields. Rencher takes a "methods"approach to his subject, with an emphasis on how students andpractitioners can employ multivariate analysis in real-lifesituations. The Second Edition contains revised and updatedchapters from the critically acclaimed First Edition as well asbrand-new chapters on: Cluster analysis Multidimensional scaling Correspondence analysis Biplots Each chapter contains exercises, with corresponding answers andhints in the appendix, providing students the opportunity to testand extend their understanding of the subject. Methods ofMultivariate Analysis provides an authoritative reference forstatistics students as well as for practicing scientists andclinicians.

The Mathematical Theory of Communication

Orbital Mechanics for Engineering Students, Second Edition, provides an introduction to the basic concepts of space mechanics. These include vector kinematics in three dimensions; Newton's laws of motion and gravitation; relative motion; the vector-based solution of the classical two-body problem; derivation of Kepler's equations; orbits in three dimensions; preliminary orbit determination; and orbital maneuvers. The book also covers relative motion and the two-impulse rendezvous problem; interplanetary mission design using patched conics; rigid-body dynamics used to characterize the

attitude of a space vehicle; satellite attitude dynamics; and the characteristics and design of multi-stage launch vehicles. Each chapter begins with an outline of key concepts and concludes with problems that are based on the material covered. This text is written for undergraduates who are studying orbital mechanics for the first time and have completed courses in physics, dynamics, and mathematics, including differential equations and applied linear algebra. Graduate students, researchers, and experienced practitioners will also find useful review materials in the book. NEW: Reorganized and improved discusions of coordinate systems, new discussion on perturbations and quarternions NEW: Increased coverage of attitude dynamics, including new Matlab algorithms and examples in chapter 10 New examples and homework problems

Engineering Science N4

An extensively revised edition of a mathematically rigorous yet accessible introduction to algorithms.

Navy Planning, Programming, Budgeting and Execution

The authors propose a new approach in studying Dehn surgeries on knots in the 3-sphere S^3 yielding Seifert fiber spaces. The basic idea is finding relationships among such surgeries. To describe relationships and get a global picture of Seifert surgeries, they introduce ``seiferters'' and the Seifert Surgery Network, a 1-dimensional complex whose vertices correspond to Seifert surgeries. A seiferter for a Seifert surgery on a knot K is a trivial knot in S^3 disjoint from K that becomes a fiber in the resulting Seifert fiber space. Twisting K along its seiferter or an annulus cobounded by a pair of its seiferters yields another knot admitting a Seifert surgery. Edges of the network correspond to such twistings. A path in the network from one Seifert surgery to another explains how the former Seifert surgery is obtained from the latter after a sequence of twistings along seiferters and/or annuli cobounded by pairs of seiferters. The authors find explicit paths from various known Seifert surgeries to those on torus knots, the most basic Seifert surgeries. The authors classify seiferters and obtain some fundamental results on the structure of the Seifert Surgery Network. From the networking viewpoint, they find an infinite family of Seifert surgeries on hyperbolic knots which cannot be embedded in a genus two Heegaard surface of S^3.

Engineering a Compiler

Statistics are just as vital to understanding political science as the study of institutions, but getting students to understand them when teaching a methods course can be a big challenge. In Statistics for Political Analysis, author Theresa Marchant-Shapiro makes understanding the numbers easy. The only introduction to statistics book written specifically for political science undergraduates, this book explains each statistical concept in plain language—from basic univariate statistics and

the basic measures of association to bivariate and multivariate regression—and uses real world political examples. Students learn the relevance of statistics to political science, how to understand and calculate statistics mathematically, and how to obtain them using SPSS. All calculations are modeled step-by-step, giving students needed practice to master the process without making it intimidating. Each chapter concludes with exercises that get students actively applying the steps and building their professional skills through data calculation, analysis, and memo writing.

Networking Seifert Surgeries on Knots

Digital Design and Computer Architecture

Computer Vision: Algorithms and Applications explores the variety of techniques commonly used to analyze and interpret images. It also describes challenging real-world applications where vision is being successfully used, both for specialized applications such as medical imaging, and for fun, consumer-level tasks such as image editing and stitching, which students can apply to their own personal photos and videos. More than just a source of "recipes," this exceptionally authoritative and comprehensive textbook/reference also takes a scientific approach to basic vision problems, formulating physical models of the imaging process before inverting them to produce descriptions of a scene. These problems are also analyzed using statistical models and solved using rigorous engineering techniques. Topics and features: structured to support active curricula and project-oriented courses, with tips in the Introduction for using the book in a variety of customized courses; presents exercises at the end of each chapter with a heavy emphasis on testing algorithms and containing numerous suggestions for small mid-term projects; provides additional material and more detailed mathematical topics in the Appendices, which cover linear algebra, numerical techniques, and Bayesian estimation theory; suggests additional reading at the end of each chapter, including the latest research in each sub-field, in addition to a full Bibliography at the end of the book; supplies supplementary course material for students at the associated website, http://szeliski.org/Book/. Suitable for an upper-level undergraduate or graduate-level course in computer science or engineering, this textbook focuses on basic techniques that work under real-world conditions and encourages students to push their creative boundaries. Its design and exposition also make it eminently suitable as a unique reference to the fundamental techniques and current research literature in computer vision.

Mathematics N1

Software Abstractions

A Book of Abstract Algebra

Qualitative research has become a legitimate approach within the information systems community, but researchers have traditionally drawn upon material from the social sciences given the absence of a single source relevant to them. Qualitative Research in Information Systems: A Reader represents just such a volume and is both timely and relevant. Information systems and qualitative research articles are now widely used for teaching on many upper level courses in information systems, and there is demand for a definitive collection of these readings as a basic reader and teaching text. This book expertly brings together the seminal works in the field, along with editorial introductions to assist the reader in understanding the essential principles of qualitative research. The book is organised according to the following thematic sections: · Part I: Overview of Qualitative Research · Part II: Philosophical Perspectives · Part III: Qualitative Research Methods · Part IV: Modes of Analyzing and Interpreting Qualitative Data Qualitative Research in Information Systems: A Reader should become the benchmark reference point for students and researchers in information systems, management science and others involved in information technology needing to learn about qualitative research.

Qualitative Research in Information Systems

This tool documents key but enduring aspects of how the Navy implements the Planning, Programming, Budgeting, and Execution process so that action officers and Navy leaders can successfully navigate and effectively contribute to the process.

Statistics for Political Analysis

Structure and Interpretation of Computer Programs by Harold Abelson and Gerald Jay Sussman is licensed under a Creative Commons Attribution-NonCommercial 3.0 License.

Book Catalog of the Library and Information Services Division: Shelf List catalog

Ramp up the tension and keep your readers hooked! Inside you'll find everything you need to know to spice up your story, move your plot forward, and keep your readers turning pages. Expert thriller author and writing instructor James Scott Bell shows you how to craft scenes, create characters, and develop storylines that harness conflict and suspense to carry your story from the first word to the last. Learn from examples of successful novels and movies as you transform your work from ho-hum to high-tension. • Pack the beginning, middle, and end of your book with the right amount of conflict. • Tap into the

suspenseful power of each character's inner conflict. • Build conflict into your story's point of view. • Balance subplots, flashbacks, and backstory to keep your story moving forward. • Maximize the tension in your characters' dialogue. • Amp up the suspense when you revise. Conflict & Suspense offers proven techniques that help you craft fiction your readers won't be able to put down.

Introduction to Applied Linear Algebra

Subtle is the Lord is widely recognized as the definitive scientific biography of Albert Einstein. The late Abraham Pais was a distinguished physicist turned historian who knew Einstein both professionally and personally in the last years of his life. His biography combines a profound understanding of Einstein's work with personal recollections from their years of acquaintance, illuminating the man through the development of his scientific thought.Pais examines the formulation of Einstein's theories of relativity, his work on Brownian motion, and his response to quantum theory with authority and precision. The profound transformation Einstein's ideas effected on the physics of the turn of the century is here laid out for the serious reader. Pais also fills many gaps in what we know of Einstein's life - his interest in philosophy, his concern with Jewish destiny, and his opinions of great figures from Newton to Freud. This remarkablevolume, written by a physicist who mingled in Einstein's scientific circle, forms a timeless and classic biography of the towering figure of twentieth-century science.

Shaping Biology

About the Book: Written by three distinguished authors with ample academic and teaching experience, this textbook, meant for diploma and degree students of Mechanical Engineering as well as those preparing for AMIE examination, incorporates the latest st

Building Science N3

Electrical and Electronic Engineering provides a foundation for first year undergraduates and HND students in electrical and electronic engineering. It offers exceptional breadth of coverage and detail in a clear and accessible manner. Suitable for specialists and non-specialists, it makes no excessive demands on the reader's mathematical skills. The basics of circuit theory and analysis are covered at the outset, followed by discrete devices and integrated circuits. Electrical machines, power electronics and digital logic circuits are treated thoroughly in a central group of chapters. Coverage of the essentials of computer architecture and networks is followed by a detailed chapter on microprocessors and microcontrollers. The importance of modern communications technology is reflected in the comprehensive group of chapters devoted to

analogue, digital and optical fibre communications systems and telephony. Two concluding chapters deal with the important topic of electromagnetic compatibility and the basics of instrumentation and measurement that are essential for non-specialists. This fully revised third edition of this popular text uses a wealth of practical exercises and examples making it ideal as a teaching resource or a study tool.

NASA Technical Memorandum

Engineering Science

Scientific knowledge grows at a phenomenal pace--but few books have had as lasting an impact or played as important a role in our modern world as The Mathematical Theory of Communication, published originally as a paper on communication theory more than fifty years ago. Republished in book form shortly thereafter, it has since gone through four hardcover and sixteen paperback printings. It is a revolutionary work, astounding in its foresight and contemporaneity. The University of Illinois Press is pleased and honored to issue this commemorative reprinting of a classic.

A First Course in Quality Engineering

Historians of the postwar transformation of science have focused largely on the physical sciences, especially the relation of science to the military funding agencies. In Shaping Biology, Toby A. Appel brings attention to the National Science Foundation and federal patronage of the biological sciences. Scientists by training, NSF biologists hoped in the 1950s that the new agency would become the federal government's chief patron for basic research in biology, the only agency to fund the entire range of biology—from molecules to natural history museums—for its own sake. Appel traces how this vision emerged and developed over the next two and a half decades, from the activities of NSF's Division of Biological and Medical Sciences, founded in 1952, through the cold war expansion of the 1950s and 1960s and the constraints of the Vietnam War era, to its reorganization out of existence in 1975. This history of NSF highlights fundamental tensions in science policy that remain relevant today: the pull between basic and applied science; funding individuals versus funding departments or institutions; elitism versus distributive policies of funding; issues of red tape and accountability. In this NSF-funded study, Appel explores how the agency developed, how it worked, and what difference it made in shaping modern biology in the United States. Based on formerly untapped archival sources as well as on interviews of participants, and building upon prior historical literature, Shaping Biology covers new ground and raises significant issues for further research on postwar biology and on federal funding of science in general. -- Margaret RossiterCornell University, author of Women Scientists in America: Before Affirmative Action, 1940-1972

Orbital Mechanics for Engineering Students

A welcome and much-needed addition to the literature on survey data quality in social research, Nonsampling Error in Social Surveys, by David E. McNabb, examines the most common sources of nonsampling error: frame error; measurement error; response error, nonresponse error, and interviewer error. Offering the only comprehensive and non-technical treatment available, the book's focus on controlling error shows readers how to eliminate the opportunity for error to occur, and features revealing examples of past and current efforts to control the incidence and effects of nonsampling error. Most importantly, it gives readers the tools they need to understand, identify, address, and prevent the most prevalent and difficult-to-control types of survey errors.

Linear Models in Statistics

Eyewitnesses play an important role in criminal cases when they can identify culprits. Estimates suggest that tens of thousands of eyewitnesses make identifications in criminal investigations each year. Research on factors that affect the accuracy of eyewitness identification procedures has given us an increasingly clear picture of how identifications are made, and more importantly, an improved understanding of the principled limits on vision and memory that can lead to failure of identification. Factors such as viewing conditions, duress, elevated emotions, and biases influence the visual perception experience. Perceptual experiences are stored by a system of memory that is highly malleable and continuously evolving, neither retaining nor divulging content in an informational vacuum. As such, the fidelity of our memories to actual events may be compromised by many factors at all stages of processing, from encoding to storage and retrieval. Unknown to the individual, memories are forgotten, reconstructed, updated, and distorted. Complicating the process further, policies governing law enforcement procedures for conducting and recording identifications are not standard, and policies and practices to address the issue of misidentification vary widely. These limitations can produce mistaken identifications with significant consequences. What can we do to make certain that eyewitness identification convicts the guilty and exonerates the innocent? Identifying the Culprit makes the case that better data collection and research on eyewitness identification, new law enforcement training protocols, standardized procedures for administering line-ups, and improvements in the handling of eyewitness identification in court can increase the chances that accurate identifications are made. This report explains the science that has emerged during the past 30 years on eyewitness identifications and identifies best practices in eyewitness procedures for the law enforcement community and in the presentation of eyewitness evidence in the courtroom. In order to continue the advancement of eyewitness identification research, the report recommends a focused research agenda. Identifying the Culprit will be an essential resource to assist the law enforcement and legal communities as they seek to understand the value and the limitations of eyewitness identification and make improvements to procedures.

Nonsampling Error in Social Surveys

Accessible but rigorous, this outstanding text encompasses all of the topics covered by a typical course in elementary abstract algebra. Its easy-to-read treatment offers an intuitive approach, featuring informal discussions followed by thematically arranged exercises. This second edition features additional exercises to improve student familiarity with applications. 1990 edition.

Electronic and Electrical Engineering

How can you analyse narratives, interviews, field notes, or focus group data? Qualitative text analysis is ideal for these types of data and this textbook provides a hands-on introduction to the method and its theoretical underpinnings. It offers step-by-step instructions for implementing the three principal types of qualitative text analysis: thematic, evaluative, and type-building. Special attention is paid to how to present your results and use qualitative data analysis software packages, which are highly recommended for use in combination with qualitative text analysis since they allow for fast, reliable, and more accurate analysis. The book shows in detail how to use software, from transcribing the verbal data to presenting and visualizing the results. The book is intended for Master's and Doctoral students across the social sciences and for all researchers concerned with the systematic analysis of texts of any kind.

Optimization and Inventory Management

An Invitation to Modern Number Theory

This portable manual provides a highly visual, rapid-reference resource that presents anesthesia in a practical and clinically-focused manner. Manual of Clinical Anesthesiology guides anesthesiologists in rapid and focused clinical decision making with its practical, clinically-focused chapters on anesthesia management. This highly formatted manual includes chapter summaries to highlight key points discussed within each chapter, color-coded sections to quickly identify information, and icons calling out pearls and pitfalls. Chapters are short and easy to read. The book includes four atlases for rapid reference: Atlas of Transesophageal Echocardiography, Atlas of Regional Anesthesia, Atlas of Anesthesia Procedures, and Crisis Management Cognitive Aids. There is also a Drug Dosing pull-out card for rapid reference. A section covering Anesthesia Phrases in Foreign Languages will enhance communication with non-English speaking patients in situations where an interpreter may not be available.

Identifying the Culprit

Addressing one of the key challenges facing doctoral students, Completing Your Qualitative Dissertation by Linda Dale Bloomberg and Marie Volpe fills a gap in qualitative literature by offering comprehensive guidance and practical tools for navigating each step in the qualitative dissertation journey, including the planning, research, and writing phases. Blending the conceptual, theoretical, and practical, the book becomes a dissertation in action—a logical and cohesive explanation and illustration of content and process. The Third Edition maintains key features that distinguish its unique approach and has been thoroughly updated and expanded throughout to reflect and address recent developments in the field.

Machine Drawing

The essential introduction to the theory and application of linear models—now in a valuable new edition Since most advanced statistical tools are generalizations of the linear model, it is neces-sary to first master the linear model in order to move forward to more advanced concepts. The linear model remains the main tool of the applied statistician and is central to the training of any statistician regardless of whether the focus is applied or theoretical. This completely revised and updated new edition successfully develops the basic theory of linear models for regression, analysis of variance, analysis of covariance, and linear mixed models. Recent advances in the methodology related to linear mixed models, generalized linear models, and the Bayesian linear model are also addressed. Linear Models in Statistics, Second Edition includes full coverage of advanced topics, such as mixed and generalized linear models, Bayesian linear models, two-way models with empty cells, geometry of least squares, vector-matrix calculus, simultaneous inference, and logistic and nonlinear regression. Algebraic, geometrical, frequentist, and Bayesian approaches to both the inference of linear models and the analysis of variance are also illustrated. Through the expansion of relevant material and the inclusion of the latest technological developments in the field, this book provides readers with the theoretical foundation to correctly interpret computer software output as well as effectively use, customize, and understand linear models. This modern Second Edition features: New chapters on Bayesian linear models as well as random and mixed linear models Expanded discussion of two-way models with empty cells Additional sections on the geometry of least squares Updated coverage of simultaneous inference The book is complemented with easy-to-read proofs, real data sets, and an extensive bibliography. A thorough review of the requisite matrix algebra has been addedfor transitional purposes, and numerous theoretical and applied problems have been incorporated with selected answers provided at the end of the book. A related Web site includes additional data sets and SAS® code for all numerical examples. Linear Model in Statistics, Second Edition is a must-have book for courses in statistics, biostatistics, and mathematics at the upper-undergraduate and graduate levels. It is also an invaluable reference for researchers who need to gain a better understanding of regression and analysis of variance.

Manual of Clinical Anesthesiology

Social Network Analysis for Ego-Nets

Digital Design and Computer Architecture: ARM Edition covers the fundamentals of digital logic design and reinforces logic concepts through the design of an ARM microprocessor. Combining an engaging and humorous writing style with an updated and hands-on approach to digital design, this book takes the reader from the fundamentals of digital logic to the actual design of an ARM processor. By the end of this book, readers will be able to build their own microprocessor and will have a top-to-bottom understanding of how it works. Beginning with digital logic gates and progressing to the design of combinational and sequential circuits, this book uses these fundamental building blocks as the basis for designing an ARM processor. SystemVerilog and VHDL are integrated throughout the text in examples illustrating the methods and techniques for CAD-based circuit design. The companion website includes a chapter on I/O systems with practical examples that show how to use the Raspberry Pi computer to communicate with peripheral devices such as LCDs, Bluetooth radios, and motors. This book will be a valuable resource for students taking a course that combines digital logic and computer architecture or students taking a two-quarter sequence in digital logic and computer organization/architecture. Covers the fundamentals of digital logic design and reinforces logic concepts through the design of an ARM microprocessor. Features side-by-side examples of the two most prominent Hardware Description Languages (HDLs)—SystemVerilog and VHDL—which illustrate and compare the ways each can be used in the design of digital systems. Includes examples throughout the text that enhance the reader's understanding and retention of key concepts and techniques. The Companion website includes a chapter on I/O systems with practical examples that show how to use the Raspberry Pi computer to communicate with peripheral devices such as LCDs, Bluetooth radios, and motors. The Companion website also includes appendices covering practical digital design issues and C programming as well as links to CAD tools, lecture slides, laboratory projects, and solutions to exercises.

Bibliographic Guide to Computer Science

Memorandum

Previously published in hardcover: 2012.

Current Index to Journals in Education Semi-Annual Cumulations, 1989

The ego-net approach to social network analysis, which takes discrete individual actors and their contacts as its starting point, is one of the most widely used approaches in the field. This is the first textbook to take readers through each stage of ego-net research, from conception, through research design and data gathering to analysis. It starts with the basics, assuming no prior knowledge of social network analysis, but then moves on to introduce cutting edge innovations, covering both new statistical approaches to ego-net analysis and also the most recent thinking on mixing methods (quantitative and qualitative) to achieve depth and rigour. It is an absolute must for anybody wishing to explore the importance of networks.

Completing Your Qualitative Dissertation

In a manner accessible to beginning undergraduates, An Invitation to Modern Number Theory introduces many of the central problems, conjectures, results, and techniques of the field, such as the Riemann Hypothesis, Roth's Theorem, the Circle Method, and Random Matrix Theory. Showing how experiments are used to test conjectures and prove theorems, the book allows students to do original work on such problems, often using little more than calculus (though there are numerous remarks for those with deeper backgrounds). It shows students what number theory theorems are used for and what led to them and suggests problems for further research. Steven Miller and Ramin Takloo-Bighash introduce the problems and the computational skills required to numerically investigate them, providing background material (from probability to statistics to Fourier analysis) whenever necessary. They guide students through a variety of problems, ranging from basic number theory, cryptography, and Goldbach's Problem, to the algebraic structures of numbers and continued fractions, showing connections between these subjects and encouraging students to study them further. In addition, this is the first undergraduate book to explore Random Matrix Theory, which has recently become a powerful tool for predicting answers in number theory. Providing exercises, references to the background literature, and Web links to previous student research projects, An Invitation to Modern Number Theory can be used to teach a research seminar or a lecture class.

Introduction To Algorithms

"In Education Nation author Milton Chen draws from extensive experience in media--from his work on Sesame Street in its nascent years to his current role as executive director of the George Lucas Educational Foundation--to support his vision for a new world of learning. Presented in five parts and divided into "module" chapters, this book examines the ways in which K-12 learning can be revolutionized through innovative reform and the use of technology. Due in large part to new technologies, over the lastfew decades we've witnessed a huge shift in how we imagine teaching and learning. A good example is the educational revolution sparked by Sesame Street--which in its first season had a goal of teaching preschool-age children the numbers 1 to 10. At the time, experts dismissed it as an unrealistic goal since many kindergarten students

were having trouble mastering this simple counting. Yet the research proved that preschool-age children learned those skills and many others directly from the TV screen. NowSesame Street's curriculum teaches the numbers from 1 to 40. In today's digital age the number of new ways to teach and learn is ever-expanding and includes: television, Google, YouTube, TeacherTube, Facebook, iPhones, video games, GPS devices, open source textbooks, interactive whiteboards; and there are countless examples of ways technology positively impacts student learning--from voice-recognition software that helps children learn to read to translation tools that help teachers communicate with non-English speaking parents. As a result of constant innovation, learning is no longer limited by traditional confines and we're quickly moving beyond students tied to their chairs, desks, and textbooks--and teachers locked away in classrooms."--

Education Nation

Methods of Multivariate Analysis

This book discusses inventory models for determining optimal ordering policies using various optimization techniques, genetic algorithms, and data mining concepts. It also provides sensitivity analyses for the models' robustness. It presents a collection of mathematical models that deal with real industry scenarios. All mathematical model solutions are provided with the help of various optimization techniques to determine optimal ordering policy. The book offers a range of perspectives on the implementation of optimization techniques, inflation, trade credit financing, fuzzy systems, human error, learning in production, inspection, green supply chains, closed supply chains, reworks, game theory approaches, genetic algorithms, and data mining, as well as research on big data applications for inventory management and control. Starting from deterministic inventory models, the book moves towards advanced inventory models. The content is divided into eight major sections: inventory control and management – inventory models with trade credit financing for imperfect quality items; environmental impact on ordering policies; impact of learning on the supply chain models; EOQ models considering warehousing; optimal ordering policies with data mining and PSO techniques; supply chain models in fuzzy environments; optimal production models for multi-items and multi-retailers; and a marketing model to understand buying behaviour. Given its scope, the book offers a valuable resource for practitioners, instructors, students and researchers alike. It also offers essential insights to help retailers/managers improve business functions and make more accurate and realistic decisions.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION