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[Visualising Uncertainty](#) Polina Levontin 2020 How should we understand and visualise the uncertainty inherent in decision-making? Using the right visualisation tools can improve our decisions. But this positive impact should never be taken for granted: visualisations can also have unexpected side-effects, and there is the risk that they can be misinterpreted or otherwise misused.

[Study and Master Accounting Grade 11 Teacher's Guide](#) Elsabe Conradie 2006-11-01 Study & Master Accounting was developed with the help of practising teachers, and covers all the requirements of the National Curriculum Statement for accounting.

Handbook of Test Development Suzanne Lane 2015-10-08 The second edition of the Handbook of Test Development provides graduate students and professionals with an up-to-date, research-oriented guide to the latest developments in the field. Including thirty-two chapters by well-known scholars and practitioners, it is divided into five sections, covering the foundations of test development, content definition, item development, test design and form assembly, and the processes of test administration, documentation, and evaluation. Keenly aware of developments in the field since the publication of the first edition, including changes in technology, the evolution of psychometric theory, and the increased demands for effective tests via educational policy, the editors of this edition include new chapters on assessing noncognitive skills, measuring growth and learning progressions, automated item generation and test assembly, and computerized scoring of constructed responses. The volume also includes expanded coverage of performance testing, validity, fairness, and numerous other topics. Edited by Suzanne Lane, Mark R. Raymond, and Thomas M. Haladyna, The Handbook of Test Development, 2nd edition, is based on the revised Standards for Educational and Psychological Testing, and is appropriate for graduate courses and seminars that deal with test development and usage, professional testing services and credentialing agencies, state and local boards of education, and academic libraries serving these groups.

Physical Sciences, Grade 12 Karin H. Kelder 2013-07-03 Study & Master Physical Sciences Grade 12 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Physical Sciences.

Hands-On Programming with R Garrett Grolemond 2014 "Write Your Own Functions and Simulations."--Cover.

Life Sciences, Grade 10 Annemarie Gebhardt 2012-01-05 Study & Master Life Sciences Grade 10 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Life Sciences. The comprehensive Learner's Book includes: * an expanded contents page indicating the CAPS coverage required for each strand * a mind map at the beginning of each module that gives an overview of the contents of that module * activities throughout that help develop learners' science knowledge and skills as well as Formal Assessment tasks to test their learning * a review at the end of each unit that provides for consolidation of learning * case studies that link science to real-life situations and present balanced views on sensitive issues. * 'information' boxes providing interesting additional information and 'Note' boxes that bring important information to the learner's attention

The Story of My Life Helen Keller 2018-05-25 The Story of My Life is an autobiography by Helen Keller. It is the story of Helen Keller and her life as a deaf and blind girl, and her triumph over these tribulations. In the book, she reveals her frustration and rage over her condition. It details her educational achievements and her introduction to the world through her breakthrough into communication. The story was written by Helen Keller when she was just 22 years old. The Story of My Life is a tale of the courage and unbreakable will of Helen Keller. The book has been adapted into a television series, a Broadway play, a Hollywood feature film, and an Indian feature film.

Visual Literacy for Libraries Nicole E. Brown 2016-04-22 This book will give you an understanding of how images fit into your critical practice and how you can advance student learning with your own visual literacy. The importance of images and visual media in today's culture is changing what it means to be literate in the 21st century. Digital technologies have made it possible for almost anyone to create and share visual media. Yet the pervasiveness of images and visual media does not necessarily mean that individuals are able to critically view, use, and produce visual content. This book provides you with the tools, strategies, and confidence to apply visual literacy in a library context. You will learn ways to develop students' visual literacy and how to use visual materials to make your own teaching more engaging. Ideal for the busy librarian who needs ideas, activities, and teaching strategies that are ready to implement, this book shows how to challenge students to delve into finding images, using images in the research process, interpreting and analysing images, creating visual communications, and using visual content ethically provides ready-to-use learning activities for engaging critically with visual materials offers tools and techniques for increasing one's own visual literacy confidence gives strategies for integrating, engaging with and advocating for visual literacy in libraries. With this book's guidance, you can help students master visual literacy, a key competency in today's media-saturated world, while also enlivening your teaching with visual materials. Visual Literacy for Libraries will be essential reading for librarians, information professionals and managers in all sectors, students of library and information science, school and higher education teachers and researchers.

Mathematics for Computer Science Eric Lehman 2017-03-08 This book covers elementary discrete mathematics for computer science and engineering. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods; induction, well-ordering; sets, relations; elementary graph theory; integer congruences; asymptotic notation and growth of functions; permutations and combinations, counting principles; discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction; state machines and invariants; recurrences; generating functions.

Complete Physics Stephen Pople 1999 Stephen Pople, one of today's most respected science authors, has created a totally new physics book to prepare students for examinations. Complete Physics covers all syllabuses due to a unique

combination of Core Pages and Further Topics. Each chapter contains core material valid for all syllabuses. Further Topics at the end can be selected to provide the right mix of pages for the syllabus you are teaching. Key Points: · Totally new book constructed from an analysis of all GCSE Physics syllabuses including IGCSE, CXC, and O'Level · Sets the traditional principles of physics in a modern and global perspective and uses illustrations with a worldwide context · Extra topics to give a truly rounded curriculum · Double-page spread format · Ideal for those students intending to take physics to a more advanced level

System on the Farm 1919

Text Mining with R Julia Silge 2017-06-12 Much of the data available today is unstructured and text-heavy, making it challenging for analysts to apply their usual data wrangling and visualization tools. With this practical book, you'll explore text-mining techniques with tidytext, a package that authors Julia Silge and David Robinson developed using the tidy principles behind R packages like ggraph and dplyr. You'll learn how tidytext and other tidy tools in R can make text analysis easier and more effective. The authors demonstrate how treating text as data frames enables you to manipulate, summarize, and visualize characteristics of text. You'll also learn how to integrate natural language processing (NLP) into effective workflows. Practical code examples and data explorations will help you generate real insights from literature, news, and social media. Learn how to apply the tidy text format to NLP Use sentiment analysis to mine the emotional content of text Identify a document's most important terms with frequency measurements Explore relationships and connections between words with the ggraph and widyr packages Convert back and forth between R's tidy and non-tidy text formats Use topic modeling to classify document collections into natural groups Examine case studies that compare Twitter archives, dig into NASA metadata, and analyze thousands of Usenet messages

Taxonomy of Educational Objectives Benjamin Samuel Bloom 1984

The Theory and Measurement of Business Income Edgar O. Edwards 1973

Machine Learning Kevin P. Murphy 2012-08-24 A comprehensive introduction to machine learning that uses probabilistic models and inference as a unifying approach. Today's Web-enabled deluge of electronic data calls for automated methods of data analysis. Machine learning provides these, developing methods that can automatically detect patterns in data and then use the uncovered patterns to predict future data. This textbook offers a comprehensive and self-contained introduction to the field of machine learning, based on a unified, probabilistic approach. The coverage combines breadth and depth, offering necessary background material on such topics as probability, optimization, and linear algebra as well as discussion of recent developments in the field, including conditional random fields, L1 regularization, and deep learning. The book is written in an informal, accessible style, complete with pseudo-code for the most important algorithms. All topics are copiously illustrated with color images and worked examples drawn from such application domains as biology, text processing, computer vision, and robotics. Rather than providing a cookbook of different heuristic methods, the book stresses a principled model-based approach, often using the language of graphical models to specify models in a concise and intuitive way. Almost all the models described have been implemented in a MATLAB software package—PMTK (probabilistic modeling toolkit)—that is freely available online. The book is suitable for upper-level undergraduates with an introductory-level college math background and beginning graduate students.

[What a City Is For](#) Matt Hern 2016-09-23 An investigation into gentrification and displacement, focusing on the case of Portland, Oregon's systematic dispersal of black residents from its Albina neighborhood.

Rewriting and Typed Lambda Calculi Gilles Dowek 2014-07-01 This book constitutes the refereed proceedings of the Joint 25th International Conference on Rewriting Techniques and Applications, RTA 2014, and 12th International Conference on Typed Lambda-Calculi and Applications, TLCA 2014, held as part of the Vienna Summer of Logic, VSL 2014, in Vienna, Austria, in July 2014. The 28 revised full papers and 3 short papers presented were carefully reviewed and selected from 87 submissions. The papers provide research results on all aspects of rewriting and typed lambda calculi, ranging from theoretical and methodological issues to applications in various contexts. They address a wide variety of topics such as algorithmic aspects, implementation, logic, types, semantics, and programming.

Public Health Consequences of E-Cigarettes National Academies of Sciences, Engineering, and Medicine 2018-06-18 Millions of Americans use e-cigarettes. Despite their popularity, little is known about their health effects. Some suggest that e-cigarettes likely confer lower risk compared to combustible tobacco cigarettes, because they do not expose users to toxicants produced through combustion. Proponents of e-cigarette use also tout the potential benefits of e-cigarettes as devices that could help combustible tobacco cigarette smokers to quit and thereby reduce tobacco-related health risks. Others are concerned about the exposure to potentially toxic substances contained in e-cigarette emissions, especially in individuals who have never used tobacco products such as youth and young adults. Given their relatively recent introduction, there has been little time for a scientific body of evidence to develop on the health effects of e-cigarettes. Public Health Consequences of E-Cigarettes reviews and critically assesses the state of the emerging evidence about e-cigarettes and health. This report makes recommendations for the improvement of this research and highlights gaps that are a priority for future research.

Essentials of Educational Measurement Robert L. Ebel 1972

Study and Master Accounting Grade 12 CAPS Learner's Book E. Conradie 2013-07-05

Introduction to Research in Education Donald Ary 2006 An introduction to research in education text, this book helps students to master the basic competencies necessary to understand and evaluate the research of others, and shows them how to plan and conduct original research.

How to Pass National 5 Business Management Peter Hagan 2013-10-25 Get your best grade with the SQA endorsed guide to National 5 Business Management. This book contains all the advice and support you need to revise successfully for your National 5 exam. It combines an overview of the course syllabus with advice from a top expert on how to improve exam

performance, so you have the best chance of success. Refresh your knowledge with complete course notes Prepare for the exam with top tips and hints on revision technique Get your best grade with advice on how to gain those vital extra marks

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 Grolemond 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.

Economic and Management Sciences, Grade 9 Marietjie Barbard 2015-05-29

Burns and Grove's The Practice of Nursing Research - E-Book Jennifer R. Gray 2020-07-21 Winner of the 1st-place American Journal of Nursing Book of the Year award in nursing research/evidence-based practice for 2021! Burns & Grove's The Practice of Nursing Research: Appraisal, Synthesis, and Generation of Evidence, 9th Edition is the trusted resource for those wanting to master the research methods that are foundational to evidence-based practice. This highly respected textbook covers how to appraise and apply existing research evidence, as well as how to participate in research and quality improvement projects. This new 9th edition has been extensively updated to reflect today's focus on online research in the digital era and includes clear, step-by-step guidelines for all major quantitative and qualitative research approaches – including supporting examples from the latest high-quality literature. There's also new content on translational research, coverage of the most current research tools and techniques, and an increased use of illustrations, tables, and other visuals to help engage visually oriented readers of all levels. Coverage of quantitative, qualitative, and other research methodologies provides a solid foundation to conduct, appraise, and apply research evidence to the realities of today's clinical practice. Balanced coverage of qualitative and quantitative methods addresses the qualitative research methodologies that are often the starting point of research projects, particularly in magnet hospitals and DNP programs. Clear, comprehensive coverage is organized into five units that include: an introduction to nursing research; coverage of the research process; application for evidence-based health care; how to analyze data, determine outcomes, and disseminate research; and how to propose and seek funding for research. Strong emphasis on evidence-based practice addresses this key graduate-level QSEN competency and reinforces how to generate research evidence and appraise and synthesize existing research for application to clinical practice. Rich examples from nursing literature bring research principles to life. Emphasis on the most currently used research methodologies focuses on the methods used in both quantitative research and qualitative research, as well as outcomes research and mixed-methods research. Coverage of digital data collection examines the use of online research tools. Quick-reference summaries include a table of research methods inside the front cover and a list of types of research syntheses (with definitions) inside the back cover. Helpful user resources are included with each new text purchase on the companion Evolve website and feature 400 interactive review questions along with a library of 10 full-text research articles.

Culture, Media, Language Stuart Hall 2003-09-02 First published in 2004. Routledge is an imprint of Taylor & Francis, an informa company.

An Introduction to Analysis of Financial Data with R Ruey S. Tsay 2014-08-21 A complete set of statistical tools for beginning financial analysts from a leading authority Written by one of the leading experts on the topic, An Introduction to Analysis of Financial Data with R explores basic concepts of visualization of financial data. Through a fundamental balance between theory and applications, the book supplies readers with an accessible approach to financial econometric models and their applications to real-world empirical research. The author supplies a hands-on introduction to the analysis of financial data using the freely available R software package and case studies to illustrate actual implementations of the discussed methods. The book begins with the basics of financial data, discussing their summary statistics and related visualization methods. Subsequent chapters explore basic time series analysis and simple econometric models for business, finance, and economics as well as related topics including: Linear time series analysis, with coverage of exponential smoothing for forecasting and methods for model comparison Different approaches to calculating asset volatility and various volatility models High-frequency financial data and simple models for price changes, trading intensity, and realized volatility Quantitative methods for risk management, including value at risk and conditional value at risk Econometric and statistical methods for risk assessment based on extreme value theory and quantile regression Throughout the book, the visual nature of the topic is showcased through graphical representations in R, and two detailed case studies demonstrate the relevance of statistics in finance. A related website features additional data sets and R scripts so readers can create their own simulations and test their comprehension of the presented techniques. An Introduction to Analysis of Financial Data with R is an excellent book for introductory courses on time series and business statistics at the upper-undergraduate and graduate level. The book is also an excellent resource for researchers and practitioners in the fields of business, finance, and economics who would like to enhance their understanding of financial data and today's financial markets.

Economic and Management Sciences, Grade 8 Marietjie Barnard 2013-07-11 Study & master economic and management sciences grade 8 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in economic and management sciences.

Education Systems Around the World Gilson Porto 2020-04-08 This book, "Education Systems Around the World", is a collection of reviewed and relevant research chapters that offer a comprehensive overview of recent developments in the field of social sciences and humanities. The book comprises single chapters authored by various researchers and edited by an expert active in the field of social studies and humanities. All chapters are unique but are united under a

common research study topic. This publication aims to provide a thorough overview of the latest research efforts by international authors on social studies and humanities, and open new possible research paths for further novel developments.

Financial Theory and Corporate Policy Thomas E. Copeland 2013-07-17 This classic textbook in the field, now completely revised and updated, provides a bridge between theory and practice. Appropriate for the second course in Finance for MBA students and the first course in Finance for doctoral students, the text prepares students for the complex world of modern financial scholarship and practice. It presents a unified treatment of finance combining theory, empirical evidence and applications.

Why Forests? Why Now? Frances Seymour 2016-12-27 Tropical forests are an undervalued asset in meeting the greatest global challenges of our time—averting climate change and promoting development. Despite their importance, tropical forests and their ecosystems are being destroyed at a high and even increasing rate in most forest-rich countries. The good news is that the science, economics, and politics are aligned to support a major international effort over the next five years to reverse tropical deforestation. Why Forests? Why Now? synthesizes the latest evidence on the importance of tropical forests in a way that is accessible to anyone interested in climate change and development and to readers already familiar with the problem of deforestation. It makes the case to decisionmakers in rich countries that rewarding developing countries for protecting their forests is urgent, affordable, and achievable.

Social Sciences, Grade 6 Lee Smith 2012-09-28 Study & Master Social Sciences has been specially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). The comprehensive Learner's Book: * provides activities that develop learners' skills and understanding of each of the modules specified by the CAPS curriculum * includes good-quality illustrations, photographs and diagrams in full colour * offers current and relevant content clearly set out according to the curriculum document. The innovative Teacher's Guide includes: * step-by-step guidance on the teaching of each lesson and activity as well as each form of assessment * Remedial and Extension activities for each module * bright ideas to extend the curriculum into the world outside the classroom * a complete section on Formal Assessment, with sample examinations and their memoranda as well as photocopiable record sheets and templates.

Introduction to the Economics and Mathematics of Financial Markets Jaksa Cvitanic 2004-02-27 An innovative textbook for use in advanced undergraduate and graduate courses; accessible to students in financial mathematics, financial engineering and economics. Introduction to the Economics and Mathematics of Financial Markets fills the longstanding need for an accessible yet serious textbook treatment of financial economics. The book provides a rigorous overview of the subject, while its flexible presentation makes it suitable for use with different levels of undergraduate and graduate students. Each chapter presents mathematical models of financial problems at three different degrees of sophistication: single-period, multi-period, and continuous-time. The single-period and multi-period models require only basic calculus and an introductory probability/statistics course, while an advanced undergraduate course in probability is helpful in understanding the continuous-time models. In this way, the material is given complete coverage at different levels; the less advanced student can stop before the more sophisticated mathematics and still be able to grasp the general principles of financial economics. The book is divided into three parts. The first part provides an introduction to basic securities and financial market organization, the concept of interest rates, the main mathematical models, and quantitative ways to measure risks and rewards. The second part treats option pricing and hedging; here and throughout the book, the authors emphasize the Martingale or probabilistic approach. Finally, the third part examines equilibrium models—a subject often neglected by other texts in financial mathematics, but included here because of the qualitative insight it offers into the behavior of market participants and pricing.

Founders without Limits Bobby Reddy 2022-01-31 The first comprehensive collation of the international history of, and evidence on, dual-class stock, and their relevance to UK policy.

Learning for Success : Skills and Strategies for Canadian Students Joan Fleet 1990 This book presents a comprehensive, systematic approach to the development of learning strategies.

Study and Master Life Sciences Grade 11 CAPS Study Guide Gonasagaren S. Pillay 2014-08-21

Database Systems Hector Garcia-Molina 2011-11-21 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. Database Systems: The Complete Book is ideal for Database Systems and Database Design and Application courses offered at the junior, senior and graduate levels in Computer Science departments. A basic understanding of algebraic expressions and laws, logic, basic data structure, OOP concepts, and programming environments is implied. Written by well-known computer scientists, this introduction to database systems offers a comprehensive approach, focusing on database design, database use, and implementation of database applications and database management systems. The first half of the book provides in-depth coverage of databases from the point of view of the database designer, user, and application programmer. It covers the latest database standards SQL:1999, SQL/PSM, SQL/CLI, JDBC, ODL, and XML, with broader coverage of SQL than most other texts. The second half of the book provides in-depth coverage of databases from the point of view of the DBMS implementor. It focuses on storage structures, query processing, and transaction management. The book covers the main techniques in these areas with broader coverage of query optimization than most other texts, along with advanced topics including multidimensional and bitmap indexes, distributed transactions, and information integration techniques.

Cyberpragmatics Francisco Yus 2011-08-22 Cyberpragmatics is an analysis of Internet-mediated communication from the perspective of cognitive pragmatics. It addresses a whole range of interactions that can be found on the Net: the web page, chat rooms, instant messaging, social networking sites, 3D virtual worlds, blogs, videoconference, e-mail, Twitter, etc. Of special interest is the role of intentions and the quality of interpretations when these Internet-mediated interactions take place, which is often affected by the textual properties of the medium. The book also analyses the pragmatic implications of transferring offline discourses (e.g. printed paper, advertisements) to the screen-framed space of the Net. And although the main framework is cognitive pragmatics, the book also draws from other theories and models in order to build up a better picture of what really happens when people communicate on the Net. This book will interest analysts doing research on computer-mediated communication, university students and researchers undergoing post-graduate courses or writing a PhD thesis. Now Open Access as part of the Knowledge Unlatched 2017 Backlist Collection.

Nothing but the Truth John Kani 2002-11-01 An award-winning play about the relationship between brothers. Nothing but the Truth is the story of two brothers, of sibling rivalry, of exile, of memory and reconciliation, and the ambiguities of freedom. The play was John Kani's debut as sole playwright and was first performed in the Market Theatre in Johannesburg. It won the 2003 Fleur du Cap Award for best actor and best new South African play. In the same year Kani was also awarded a special Obie award for his extraordinary contribution to theatre in the USA.

