

## Well Logging Handbook By Oberto Serra

*What makes Mozart's music so great? Why does a minor chord sound sad and a major chord sound happy? What's the difference between opera and operetta? From Bach to Bernstein, this definitive guide offers a complete survey of the history of classical music. Whether you already love classical music or you're just beginning to explore it, The Complete Classical Music Guide invites you to discover the spirituality of Byrd's masses, the awesome power of Handel's Messiah, and the wonders of Wagner's operas, as well as hundreds of more composers and their masterpieces. This guide takes you on a journey through more than 1,000 years, charting the evolution of musical instruments, styles, and genres. Biographies of major and lesser-known composers offer rich insights into their music and the historical and cultural contexts that influenced their genius. The book explores the features that defined each musical era - from the ornate brilliance of the Baroque, through the drama of Romantic music, to contemporary genres such as minimalism and electronic music. Timelines, photos, and audio clips are provided for individuals who are new to the music.*

*This volume brings together both academic and institutional perspectives to examine the production, use and contestation of indicators in global governance. It provides a unique and comprehensive guide to the latest research in the study of indicators and their use in global governance and policy making. The editors provide a guide to the recent vast body of literature and practice on measuring governance and measurement as governance at the global level, and present a state-of-the-art analysis of social science research on indicators at both the transnational and the global level. The Handbook brings together scholars from a variety of disciplines and perspectives, as well as policy-makers from international organisations and non-government organisations working in the field. This volume will be a valuable resource for students and academics in the fields of public policy, administration and management, international relations, political science, law, and globalisation, as well as policy makers and practitioners.*

*With the continued implementation of new equipment and new concepts and methods, such as hydroponics and soilless practices, crop growth has improved and become more efficient. Focusing on the basic principles and practical growth requirements, the Complete Guide for Growing Plants Hydroponically offers valuable information for the commercial grower, the researcher, the hobbyist, and the student interested in hydroponics. It provides details on methods of growing that are applicable to a range of environmental growing systems. The author begins with an introduction that covers the past, present, and future of hydroponics. He also describes the basic concepts behind how plants grow, followed by several chapters that present in-depth practical details for hydroponic growing systems: The essential plant nutrient elements The nutrient solution Rooting media Systems of hydroponic culture Hydroponic application factors These chapters cover the nutritional requirements of plants and how to best prepare and use nutrient solutions to satisfy plant requirements, with different growing systems and rooting media, under a variety of conditions. The book gives many nutrient solution formulas and discusses the advantages and disadvantages of various hydroponic systems. It also contains a chapter that describes a school project, which students can follow to generate nutrient element deficiency symptoms and monitor their effects on plant growth.*

*This Special Issue presents the work of 30 scientists from 11 countries. It confirms that the impacts of global change, resulting from both climate change and increasing anthropogenic pressure, are huge on worldwide coastal areas (and critically so on some islands in the Pacific Ocean), with highly negative effects on coastal groundwater resources, which are widely affected by seawater intrusion. Some improved research methods are proposed in the contributions: using innovative hydrogeological, geophysical, and geochemical monitoring; assessing impacts of the changing environment on the coastal groundwater resources in terms of quantity and quality; and using modelling, especially to improve management approaches. The scientific research needed to face these challenges must continue to be deployed by different approaches based on the monitoring, modelling and management of groundwater resources. Novel and more efficient methods must be developed to keep up with the accelerating pace of global change.*

*NBA Coaches Playbook*

*The Complete Classical Music Guide*

*Nematodes as Environmental Indicators*

*Well Logging and Geology*

*Fundamentals of Well-log Interpretation: The acquisition of logging data*

This book gathers selected papers presented at the 2020 World Conference on Information Systems and Technologies (WorldCIST'20), held in Budva, Montenegro, from April 7 to 10, 2020. WorldCIST provides a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences with and challenges regarding various aspects of modern information systems and technologies. The main topics covered are A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human-Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; and N) Technologies for Biomedical Applications.

The Common Marmoset in Captivity and Biomedical Research is the first text dedicated exclusively to this species,filling an urgent need for an encyclopedic compilation of the existing information. Sponsored by the American College of Laboratory Animal Medicine as part of its authoritative Blue Book series, the book covers the biology,management, diseases, and clinical and research applications of this important species. The common marmoset (*Callithrix jacchus*) has come of age in the scientific community as a behaviorally complex, cognitively advanced,small, prolific, and easily maintained nonhuman primate with many of the advantages of larger animals, such as macaques, but without the attendant physical and zoonotic risks. Marmosets are currently being used in diverse areas of inquiry, including vision and auditory research, infectious disease, cognitive neuroscience, behavior, reproductive biology, toxicology and drug development, and aging. The marmoset genome has been sequenced and there is currently an intensive effort to apply gene editing technologies to the species. The creation of transgenic marmosets will provide researchers with a small nonhuman primate model to study a number of poorly understood disorders, like autism. Presents a complete view of the marmoset, covering their biology and management, diseases and clinical applications, and research applications includes contributions from renowned and international authors and editors Provides the first authoritative and comprehensive treatment of marmosets in biomedical research as part of the ACLAM Series

Until recently, Spinoza's standing in Anglophone studies of philosophy has been relatively low and has only seemed to confirm Friedrich Heinrich Jacobi's assessment of him as a dead dog. However, an exuberant outburst of excellent scholarship on Spinoza has of late come to dominate work on early modern philosophy. This resurgence is due in no small part to the recent revival of metaphysics in contemporary philosophy and to the increased appreciation of Spinoza's role as an unorthodox, pivotal figure - indeed, perhaps the pivotal figure - in the development of Enlightenment thinking. Spinoza's penetrating articulation of his extreme rationalism makes him a demanding philosopher who offers deep and prescient challenges to all subsequent, inevitably less radical approaches to philosophy. While the twenty-six essays in this volume - by many of the world's leading Spinoza specialists - grapple directly with Spinoza's most important arguments, these essays also seek to identify and explain Spinoza's debts to previous philosophy, his influence on later philosophers, and his significance for contemporary philosophy and for us.

After the conquest of Mexico, colonial authorities attempted to enforce Christian beliefs among indigenous peoples—a project they envisioned as spiritual warfare. The Invisible War assesses this immense but dislocated project by examining all known efforts in Central Mexico to obliterate native deivities of Mesoamerican origin between the 1530s and the late eighteenth century. The author's innovative interpretation of these efforts is punctuated by three events: the creation of an inquisition tribunal in Mexico in 1571; the native rebellion of Tehuacan in 1620; and the emergence of early modern strategies for isolating idolaters, teaching Spanish to natives, and obtaining medical proof of sorcery from the 1720s onwards. Rather than depicting native devotion solely from the viewpoint of their colonial codifiers, this book rescues indigenous perspectives on their own beliefs. This is achieved by an analysis of previously unknown or rare ritual texts that circulated in secrecy in Nahua and Zapotec communities through an astute appropriation of European literacy.

Távarez contends that native responses gave rise to a colonial archipelago of faith in which local cosmologies merged insights from Mesoamerican and European beliefs. In the end, idatary eradication inspired distinct reactions; while Nahua responses focused on epistemological dissent against Christianity, Zapotec strategies privileged confrontations in defense of native cosmologies.

Clay, Silt, Sand, Shales

Lives, Identities and Histories in the Central Middle Ages

Fundamentals of Well-log Interpretation: The interpretation of logging data

Atlas of Medieval Europe

The Common Marmoset in Captivity and Biomedical Research

Well Logging HandbookEditions OPHRYS

An American learns the true value of life while fighting with a guerrilla band during the Spanish Civil War.

Conceived and written by a geologist for geologists, Fundamentals of Well-Log Interpretation is a considerably revised and updated translation of the French edition. Part 1 dealt with the acquisition of logging data and when it appeared, one reviewer wrote: ``Serra has written a major reference work which is unusually well-organized, well-illustrated, and information-rich ... If volume 2 is as thorough and exacting in detail as volume 1, it will do much toward furthering geologists' knowledge of well logging." (AAPG Bulletin). The fundamental objective of this second volume is to show that wireline log data constitute a remarkable source of geological information of the utmost importance for geologists, but also for reservoir engineers, geophysicists and petrophysicists. Too often, by nature of their training, geologists do not realize that wireline log data, which are physical data, hold in fact a tremendous variety of geological information covering practically all branches of geology. They are reluctant to use these data because often they are not familiar with them and do not know how to interpret wireline logs. Other log users generally do not realize the importance of geological knowledge to better interpret logs. This book aims to fill the gap by showing how wireline log data are dependent on geological parameters and how to extract the latter from the former. Methods of extracting the desired information from the wireline log data are explained and illustrated. In summary, the book explains how to make good geological studies from wireline logs. It is an invaluable acquisition for geologists, petrophysicists, reservoir engineers and geophysicists who wish to make better use of wireline log data.

This handbook provides a detailed overview of various issues related to intergenerational justice. It sheds light on the relationship between intergenerational justice and economics and clarifies basic terms, as well as tracing the origins of the concept.

A Guide for Well-log Interpretation of Siliciclastic Deposits

Frantz Fanon, Psychiatry and Politics

The Oxford Handbook of Spinoza

Data Structures and Algorithms in Java

The Legitimacy of International Trade Courts and Tribunals

Handbook of Algal Science, Microbiology, Technology and Medicine provides a concise introduction to the science, biology, technology and medical use of algae that is structured on the major research fronts of the last four decades, such as algal structures and properties, algal biomedicine, algal genomics, algal toxicology, and algal bioremediation, algal photosystems, algal ecology, algal bioenergy and biofuels. It also covers algal production for biomedicine, algal biomaterials, and algal medicinal foods within these primary sections. All chapters are authored by the leading researchers in their respective research fields. Our society currently faces insurmountable challenges in the areas of biomedicine and energy in the face of increasing global population and diminishing natural resources as well as the growing environmental and economic concerns, such as global warming, greenhouse gas emissions and climate change. Algae offer a way to deal with these challenges and concerns for both sustainable and environment friendly bioenergy production and in biomedicine through the development of crucial biotechnology. Provides an essential interdisciplinary introduction and handbook for all the stakeholders engaged in science, technology and medicine of algae Covers the major research streams of the last four decades, ranging from algal structures, to algal biomedicine and algal bioremediation Fills a significant market opening for an interdisciplinary handbook on algal science, technology and medicine

This book provides a comprehensive and accessible source of information on all types of sweeteners and functional ingredients,enabling manufacturers to produce low sugar versions of all typesof foods that not only taste and perform as well as sugar-basedproducts, but also offer consumer benefits such as caloriereduction, dental health benefits, digestive health benefits andimprovements in long term disease risk through strategies such asdietary glycaemic control. Now in a revised and updated new edition which contains sevennew chapters, part I of this volume addresses relevant digestedental health issues as well as nutritional considerations.Part II covers non-nutritive, high-potency sweeteners and, inaddition to established sweeteners, includes information to meetthe growing interest in naturally occurring sweeteners. PartIII deals with the bulk sweeteners which have now been used infoods for over 20 years and are well established both in foodproducts and in the minds of consumers. In addition to the"traditional" polyol bulk sweeteners, newer products such asomalulose are discussed. These are seen to offer many of theadvantages of polyols (for example regarding dental health and physglycaemic response) without the laxative side effects if consumed large quantity. Part IV provides information on the sweetenerswhich do not fit into the above groups but which nevertheless mayoffer interesting sweetening opportunities to the productdeveloper. Finally, Part V examines bulking agents andmultifunctional ingredients which can be beneficially used incombination with all types of sweeteners and sugars.

This book explains in detail all the physical principles on which are based the logging tools Wireline (WL) and Logging While Drilling (LWD). It describes as well the fundamental tools of the principal service companies, focusing on the factors that influence measurement and on the main applications in geology, geophysics, and petrophysics. As such it constitutes a reference document for all geologists and engineers involved in petroleum exploration and field development.

Following the success of the Drilling Data Handbook, Editions Technip has designed this book to cover the well logging principles and its applications. This well logging handbook first edition starts with a summary on geology and petrophysics focusing mainly on its applications. The wide range of logging measurements and applications is covered through eleven sections, each of them organized into four chapters. All in all, this is a strongly-bound, user-friendly book with useful information for those involved in all aspects and applications of well-logging. The paging is notched and externally labelled alphabetically to allow a quick access.

Disruptions to Educational Opportunity During a Pandemic

For Whom the Bell Tolls

Character Sketches of Romance, Fiction and the Drama

Fundamentals of Well- Log Interpretation. T. 1. the Acquisition of Logging Data. Translated from the French by Peter Westaway and Haydn Abbott

The Palgrave Handbook of Indicators in Global Governance

The Protein Protocols Handbook, Second Edition aims to provide a cross-section of analytical techniques commonly used for proteins and peptides, thus providing a benchtop manual and guide for those who are new to the protein chemistry laboratory and for those more established workers who wish to use a technique for the first time. All chapters are written in the same format as that used in the Methods in Molecular Biology™ series. Each chapter opens with a description of the basic theory behind the method being described. The Materials section lists all the chemicals, reagents, buffers, and other materials necessary for each method. The protocol section of the book is to provide experimentalists with a full account of the practical steps necessary for carrying out each protocol successfully. The Methods section contains detailed st- by-step descriptions of every protocol that should result in the successful execution of each method. The Notes section complements the Methods material by indicating how best to deal with any problem or difficulty that may arise when using a given technique, and how to go about making the widest variety of modifications or alterations to the protocol. Since the first edition of this book was published in 1996 there have, of course, been significant developments in the field of protein chemistry.

Nematodes are the most wide spread multicellular animals in nature and analysis of nematodes in terrestrial, freshwater and marine environments as well as their role and function in ecosystems, can be used for environmental monitoring. Compared to other organisms, they offer the greatest potential as bioindicators and can be used to study gene expression in relation to environmental challenges, to monitor changing impacts on the environment and in laboratory ecotoxicity tests. This volume addresses classical and molecular approaches to nematode community analysis, the contemporary field of nematodes as biosensors, as well as genetic aspects of nematode bioindicators. In addition, the case studies stress the importance of these bioindicators and demonstrate the commercial potential of these technologies.

This book is one in a series of three books by the authors on various aspects of well logging, with the final book to be on reservoir evaluation. The book departs from traditional log analysis books in that it has a very strong emphasis on geologic principles with an extensive review of the processes that influence hydrocarbon accumulations. The chapters are written in a stand-alone format. This book is beautifully illustrated with colored plots, charts, and block diagrams on virtually every page. The editors should be commended for taking on such a big task, and succeeding so well. This book should be in the library of every institution where students have to write a paper that may be related to sport, or on the shelf of any lecturer teaching economics or public finance who has even a remote interest in sport. The material is very accessible, and useful in many different settings. Rued H. Koning, Jahrbücher f. Nationalökonomie u. Statistik Edward Elgar's brilliant market niche is identifying a topic in economics, finding editors who know the area backwards and challenging them to assemble the best cross-section of relevant articles and or essays on the topic. This volume is no exception. Handbook on the Economics of Sport is Edward Elgar at its very best. If you love economics you'll find many fascinating insights here; if you love sport but know little economics then this book is mostly accessible and will teach you a lot; and if you are a sports-mad economist then you will be in hog heaven. Furthermore, if, like this reviewer, you are broadly very sceptical about the reports consultants produce for governments on the supposed economic windfall from hosting a big event or subsidising a stadium, then you will get a lot of good counter-arguments in this volume.

Indeed there are several chapters on the above theme that I'm sure I'll be copying frequently to government officials in my area to come... The demand for sport is a fascinating subject and it is hard to pick out just one chapter from the second section. Read them all they make a wonderful 65-page treat... Part VI was a real feast, a smorgasbord... This is a magnificent piece of work and the 36-page index rounds it all off splendidly. John Blundell, Economic Affairs The book covers the most important areas of research of an emerging economic sub-discipline spanning the past half a century. It serves admirably the purpose of an introduction into the rich and growing area of reflection for all concerned... the editors and authors of the Handbook have done a commendable job of accumulating sophisticated material for many economists, managers, politicians and self-conscious fans, who are sure to find excellent training ground for the whole heptathlon... This book will be invaluable for advanced students investigating professional sport. From the point of view of lawyers, particularly those engaged with the relationship between law and sports governance, the Handbook offers invaluable analysis of the economic issues that are allied to in those debates but rarely examined in detail... These insights will also prove useful for policy analysts and sports administrators for whom many sections should be considered mandatory reading. Aleksander Sulejewicz, Journal of Contemporary European Research Over 800 pages on the economics of sport. What a feast! What a treat! The editors have done a wonderful job both in terms of breadth from David Beckham to child labour in Pakistan and depth, tournaments and luxury taxes for example... The 86 chapters are uniform of a very high standard and illuminating. And there are real gems in some of the contributions. British Journal on the Economics of Sport This very interesting and comprehensive book achieves its objective, namely to present an overview of research in sports economics as an introductory level... [The editors] have produced an excellent reference book that belongs in all academic institutions libraries. It provides extensive introduction to the growing body of literature in the rising field of economics of sport. The book's relevant monographs should be read by institutions, cities and countries prior to their committing major resources towards sports facilities or a sporting event. James Angresano, Journal of Sports Economics One could think of this book as the sports-and-economics counterpart to Joy of Cooking, because it will satisfy the needs of those with a keen interest in such subjects as the

Cosmeceuticals and Active Cosmetics

Opera, Nationalism, and Modernity

The Book of Musical Knowledge

The Puccini Problem

Volume 1

*This classic work of feminist political thought, Iris Marion Young challenges the prevailing reduction of social justice to distributive justice. The starting point for her critique is the experience and concerns of the new social movements that were created by marginal and excluded groups, including women, African Americans, and American Indians, as well as gays and lesbians. Young argues that by assuming a homogeneous public, democratic theorists fail to consider institutional arrangements for including people not culturally identified with white European male norms. Consequently, theorists do not adequately address the problem of an inclusive participatory framework. Basing her vision of the good society on the culturally plural networks of contemporary urban life, Young makes the case that normative theory and public policy should undermine group-based oppression by affirming rather than suppressing social group differences. Danielle Allen's new foreword contextualizes Young's work and explains how debates surrounding social justice have changed since – and been transformed by – the original publication of Justice and the Politics of Difference.*

*A comprehensive discussion of international trade courts and tribunals with specific emphasis on their performance and legitimacy.*

*The Phoenix Suns' Steve Nash shines in running the break, but how do his teammates know where to go to get open to receive his passes? Orlando's Dwight Howard is a tremendous talent in the post, but how has he improved and added new dimensions to his game? And how is it that Utah's Deron Williams and Carlos Boozer run the screen-and-roll as smoothly as Jazz legends John Stockton and Karl Malone did years before? Coaching. Yes, even in a league loaded with superior athletic talent, the teaching, tactical maneuvers, and strategies provided by NBA coaches are second to none. And as younger, sometimes less mature and less experienced players from all over the world have entered the league, those coaching skills are more diverse and better honed than ever before. Now NBA Coaches Playbook takes you into the practice sessions and sideline huddles with detailed Xs and Os and more from the game's best at Frantz Fanon, Psychiatry and Politics, *See the likes of Phil Jackson, Mike D'Antoni, Avery Johnson, Stan Van Gundy, George Karl, Eddie Jordan, Mike Dunleavy, Kareem Abdul-Jabbar, and many other head and assistant coaches provide you with new insights to benefit your own team and individual players. Content:Part I: Individual OffenseChapter 1. Shooting Techniques Hal Wissel Chapter 2. Perimeter Moves Stan Van Gundy Chapter 3. Post Moves Kareem Abdul-Jabbar Chapter 4. Screens and Screen Plays Phil Johnson Part II. Team OffenseChapter 5. Attacking Offense Avery Johnson Chapter 6. Triangle Offense Phil Jackson and Tex Winter Chapter 7. Princeton Offense Eddie Jordan and Pete Carril Chapter 8. Flex Offense Ruben Magnano Part III. Fast BreakChapter 9. Fast-Break Principles George Karl and Doug Moen Chapter 10. Primary and Secondary Breaks Mike D'Antoni, Alvin Gentry, and Marc Ivarsoni Part IV: Special PlaysChapter 11. High-Percentage Plays Lionel Hollins Chapter 12. Out-of-Bounds Plays Brendan Malone Chapter 13. Last-Second Scoring Plays Dave Wohl Part V: Individual and Team DefenseChapter 14. On-the-Ball Pressure Mike Fratello Chapter 15. Full-Court Pressure Jim O'Brien Chapter 16. Defensive Strategies Del Harris Part VI: Coaching EssentialsChapter 17. Productive Practices Lawrence Frank Chapter 18. Game Preparation Mike Dunleavy and Jim Ryan Chapter 19. Player Development Kevin Eastman Chapter 20. Player and Coach Motivation Scott Skiles and John Bach Chapter 21. Modern Conditioning Methods Rich Dalatri**

Covering the period from the fall of the Roman Empire through to the beginnings of the Renaissance, this is an indispensable volume which brings the complex and colourful history of the Middle Ages to life. Key features:
\* geographical coverage extends to the broadest definition of Europe from the Atlantic coast to the Russian steppes
\* each map approaches a separate issue or series of events in Medieval history, whilst a commentary locates it in its broader context
\* as a body, the maps provide a vivid representation of the development of nations, peoples and social structures. With over 140 maps, expert commentaries and an extensive bibliography, this is the essential reference for those who are striving to understand the fundamental issues of this period.

Well Logging Handbook

Well Logging and Reservoir Evaluation

The Invisible War

Essays on the Dark and Light Sides of the Digital Revolution

Groundwater Resources and Salt Water Intrusion in a Changing Environment

The Acquisition of Logging Data

Cosmeceuticals and Active Cosmetics discusses the science of nearly two dozen cosmeceuticals used today. This third edition provides ample evidence on specific cosmeceutical substances, their classes of use, skin conditions for which they are used, and points of interest arising from other considerations, such as toxicology and manufacturing. The book discusses both cosmetic and therapeutic uses of cosmeceuticals for various conditions including rosacea, dry skin, alopecia, eczema, seborrheic dermatitis, purpura, and vitiligo. Active ingredients in the logging products are discussed: caffeine, curcumin, green tea, Rhodiola rosea, milk thistle, and more. Also covered are topical peptides and proteins, amino acids and derivatives, antioxidants, vitamins E and C, niacinamide, botanical extracts, and biomarine actives. Providing ample scientific references, this book is an excellent guide to understanding the science behind the use of cosmeceuticals to treat a variety of dermatological conditions.

A detailed investigation of the reception and cultural contexts of Puccini's music, this book offers a fresh view of this historically important but frequently overlooked composer. Wilson's study explores the ways in which Puccini's music and persona were held up as both the antidote to and the embodiment of the decadence widely felt to be afflicting late nineteenth- and early twentieth-century Italy: a nation which although politically unified remained culturally divided. The book focuses upon two central, related questions that were debated throughout Puccini's career: his status as a national or international composer, and his status as a traditionalist or modernist. In addition, Wilson examines how Puccini's operas became caught up in a wide range of extra-musical controversies concerning such issues as gender and class. This book makes a major contribution to our understanding of both the history of opera and of the wider artistic and intellectual life of turn-of-the-century Italy.

Frantz Fanon was a foundational figure in postcolonial and decolonial thought, yet his medical work has only been studied peripherally. With a focus on Fanon ' s key psychiatry texts, Frantz Fanon: Psychiatry and Politics considers Fanon ' s medical writings as materials anticipating as well as accompanying Fanon ' s better known work. Primary and Secondary Education During Covid-19

Well Logging

Mathletics

The Protein Protocols Handbook

Handbook of Intergenerational Justice

How math can be used to improve performance and predict outcomes in professional sports Mathletics is a remarkably entertaining book that shows readers how to use simple mathematics to analyze a range of statistical and probability-related questions in professional baseball, basketball, and football, and in sports gambling. How does professional baseball evaluate hitters? Is a singles hitter like Wade Boggs more valuable than a power hitter like David Ortiz? Should NFL teams pass or run more often on first downs? Could professional basketball have used statistics to expose the crooked referee Tim Donaghy? Does money buy performance in professional sports? In Mathletics, Wayne Winston describes the mathematical methods that top coaches and managers use to evaluate players and improve team performance, and gives math enthusiasts the practical tools they need to enhance their understanding and enjoyment of their favorite sports—and maybe even gain the outside edge to winning bets. Mathletics blends fun math problems with sports stories of actual games, teams, and players, along with personal anecdotes from Winston's work as a sports consultant. Winston uses easy-to-read tables and illustrations to illuminate the techniques and ideas he presents, and all the necessary math concepts—such as arithmetic, basic statistics and probability, and Monte Carlo simulations—are fully explained in the examples. After reading Mathletics, you will understand why baseball teams should almost never bunt, why football overtime systems are unfair, why

points, rebounds, and assists aren't enough to determine who's the NBA's best player—and much, much more. In a new epilogue, Winston discusses the stats and numerical analysis behind some recent sporting events, such as how the Dallas Mavericks used analytics to become the 2011 NBA champions. This open access edited volume is a comparative effort to discern the short-term educational impact of the covid-19 pandemic on students, teachers and systems in Brazil, Chile, Finland, Japan, Mexico, Norway, Portugal, Russia, Singapore, Spain, South Africa, the United Kingdom and the United States. One of the first academic comparative studies of the educational impact of the pandemic, the book explains how the interruption of in person instruction and the variable efficacy of baseball alternative forms of education caused learning loss and disengagement with learning, especially for disadvantaged students. Other direct and indirect impacts of the pandemic diminished the ability of families to support children and youth in their education. For students, as well as for teachers and school staff, these included the economic shocks experienced by families, in some cases leading to food insecurity and in many more causing stress and anxiety and impacting mental health. Opportunity to learn was also diminished by the shocks and trauma experienced by those with a close relative infected by the virus, and by the constraints on learning resulting from students having to learn at home, where the demands of schoolwork had to be negotiated with other family necessities, often sharing limited space. Furthermore, the prolonged stress caused by the uncertainty over the resolution of the pandemic and resulting from the knowledge that anyone could be infected and potentially lose their lives, created a traumatic context for many that undermined the necessary focus and dedication to schoolwork. These individual effects were reinforced by community effects, particularly for students and teachers living in communities where the multifaceted negative impacts resulting from the pandemic were pervasive. This is an open access book.

This third book on Well Logging, focuses on reservoir evaluation of the main goal is the determination of the hydrocarbon volume existing in the drilled well and the discovered field. This evaluation requires the determination of several factors: the reservoir volume; the reservoir tectonic and stratigraphic settings (spatial & temporal position; the presence of fractures; the reservoir mineralogical composition; the hydrocarbon volume in place and extractible, which depends on the saturation of hydrocarbon in each unit composing the reservoir, which, in turn, depends on: the total pore volume of each unit composing the reservoir, the pore size, which is a function of the texture (grain size, sorting, packing...), the diagenetic effects affecting the initial porosity ((compaction, cementation, transformation, dolomitization, dissolution...) undergone since the deposition of the sediment; the hydrocarbon type; the permeability which depends on sedimentary features, fractures, dissolution and fluid type; the production potential that is a function of the permeability and the reservoir pressure. The determination of these factors will be considerably improved using a complete logging set including images of the borehole wall and nuclear magnetic resonance data and their interpretation by a team including geologist, geophysicist, petrophysicist and reservoir engineer in order to determine the depositional environment which can be precisely determined from well logging data, possibly calibrated on core data, taking into account: the facies of each depositional unit (textural structure, thickness), the type of facies succession composing genetic increment and genetic sequences.This determination, completed by the detection of the faults crossed by the well, will allow a more precise interpretation of seismic data and consequently a better modeling of the reservoir for its economical evaluation and development. Contains an exhaustive index-glossary referencing to the three books.

This new collection of essays follows in the footsteps of the successful volume Thinking Ahead - Essays on Big Data, Digital Revolution, and Participatory Market Society, published at a time when our societies were on a path to technological totalitarianism, as exemplified by mass surveillance reported by Edward Snowden and others. Meanwhile the threats have diversified and tech companies have gathered enough data to create detailed profiles about almost everyone living in the modern world - profiles that can predict our behavior better than our friends, families, or even partners. This is not only used to manipulate peoples' opinions and voting behaviors, but more generally to influence consumer behavior at all levels. It is becoming increasingly clear that we are rapidly heading towards a cybernetic society, in which algorithms and social bots aim to control both the societal dynamics and individual behaviors. span lang="EN-US" style="font-family: However there are also silver linings: most of the threats that have accumulated over the past years have been identified and regulations are on the way to being introduced. Furthermore, entirely novel approaches based on blockchain technology and other developments derived from complexity science offer the possibility of entirely redefining collective trust and building platforms to support our core societal values. span lang="EN-US" style="font-family: This book conveys an encouraging vision of the future and provides a sketch of how it may look: The road to digital enlightenment is still open, but it needs to be taken now./p>

Indigenous Devotions, Discipline, and Dissent in Colonial Mexico

Sweeteners and Sugar Alternatives in Food Technology

How Gamblers, Managers, and Sports Enthusiasts Use Mathematics in Baseball, Basketball, and Football

Justice and the Politics of Difference

Trends and Innovations in Information Systems and Technologies

Offers a new take on the identities and life histories of medieval people, in their multi-layered and sometimes contradictory dimensions.

The design and analysis of information data structures has long been recognized as a key component of the Computer Science curriculum. Goodrich, Tomassia and Goldwasser's approach to this classic topic is based on the object-oriented paradigm as the framework of choice for the design of data structures. For each ADT presented in the text, the authors provide an associated Java interface. Concrete data structures realizing the ADTs are provided as Java classes implementing the fundamental data structures in this book is organized in a single Java package, net.datastructures. This package forms a coherent library of data structures and algorithms in Java specifically designed for educational purposes in a way that is complementary with the Java Collections Framework.

Conceived and written by a geologist for geologists, Fundamentals of Well-Log Interpretation is a considerably revised and updated translation of the French edition. Part 1 dealt with the acquisition of logging data and when it appeared, one reviewer wrote: Serra has written a major reference work which is unusually well-organized, well-illustrated, and information-rich. If volume 2 is as thorough and exacting in detail as volume 1, it will do much toward furthering geologists' knowledge of well logging. The fundamental objective of this second volume is to show that wireline log data constitute a remarkable source of geological information of the utmost importance for geologists, but also for reservoir engineers, geophysicists and petrophysicists. Too often, by nature of their training, geologists do not realize that wireline log data, which are physical data, hold in fact a tremendous variety of geological information covering practically all branches of geology. They are reluctant to use them and do not know how to interpret wireline logs.

Data Acquisition and Applications

Complete Guide for Growing Plants Hydroponically

The Geological Interpretation of Well Logs

Handbook of Algal Science, Technology and Medicine

Towards Digital Enlightenment