

Accuracy And Precision For Long Range Shooting

The dramatic human story of an epic scientific quest and of one man's forty-year obsession to find a solution to the thorniest scientific dilemma of the day--"the longitude problem." Anyone alive in the eighteenth century would have known that "the longitude problem" was the thorniest scientific dilemma of the day-and had been for centuries. Lacking the ability to measure their longitude, sailors throughout the great ages of exploration had been literally lost at sea as soon as they lost sight of land. Thousands of lives and the increasing fortunes of nations hung on a resolution. One man, John Harrison, in complete opposition to the scientific community, dared to imagine a mechanical solution-a clock that would keep precise time at sea, something no clock had ever been able to do on land. Longitude is the dramatic human story of an epic scientific quest and of Harrison's forty-year obsession with building his perfect timekeeper, known today as the chronometer. Full of heroism and chicanery, it is also a fascinating brief history of astronomy, navigation, and clockmaking, and opens a new window on our world.

This User's Guide is a resource for investigators and stakeholders who develop and review observational comparative effectiveness research protocols. It explains how to (1) identify key considerations and best practices for research design; (2) build a protocol based on these standards and best practices; and (3) judge the adequacy and completeness of a protocol. Eleven chapters cover all aspects of research design, including: developing study objectives, defining and refining study questions, addressing the heterogeneity of treatment effect, characterizing exposure, selecting a comparator, defining and measuring outcomes, and identifying optimal data sources. Checklists of guidance and key considerations for protocols are provided at the end of each chapter. The User's Guide was created by researchers affiliated with AHRQ's Effective Health Care Program, particularly those who participated in AHRQ's DEcIDE (Developing Evidence to Inform Decisions About Effectiveness) program. Chapters were subject to multiple internal and external independent reviews. More more information, please consult the Agency website: www.effectivehealthcare.ahrq.gov)

Manufacturing, reduced to its simplest form, involves the sequencing of product forms through a number of different processes. Each individual step, known as an unit manufacturing process, can be viewed as the fundamental building block of a nation's manufacturing capability. A committee of the National Research Council has prepared a report to help define national priorities for research in unit processes. It contains an organizing framework for unit process families, criteria for determining the criticality of a process or manufacturing technology, examples of research opportunities, and a prioritized list of enabling technologies that can lead to the manufacture of products of superior quality at competitive costs. The study was performed under the sponsorship of the National Science Foundation and the Defense Department's Manufacturing Technology Program.

For decades gas chromatography has been and will remain an irreplaceable analytical technique in many research areas for both quantitative analysis and qualitative characterization/identification, which is still supplementary with HPLC. This book highlights a few areas where significant advances have been reported recently and/or a revisit of basic concepts is deserved. It provides an overview of instrumental developments, frontline and modern research as well as practical industrial applications. The topics include GC-based metabolomics in biomedical, plant and microbial research, natural products as well as characterization of aging of synthetic materials and industrial monitoring, which are contributions of several experts from different disciplines. It also contains best hand-on practices of sample preparation (derivatization) and data processing in daily research. This book is recommended to both basic and experienced researchers in gas chromatography.

One of the pathways by which the scientific community confirms the validity of a new scientific discovery is by repeating the research that produced it. When a scientific effort fails to independently confirm the computations or results of a previous study, some fear that it may be a symptom of a lack of rigor in science, while others argue that such an observed inconsistency can be an important precursor to new discovery. Concerns about reproducibility and replicability have been expressed in both scientific and popular media. As these concerns came to light, Congress requested that the National Academies of Sciences, Engineering, and Medicine conduct a study to assess the extent of issues related to reproducibility and replicability and to offer recommendations for improving rigor and transparency in scientific research. Reproducibility and Replicability in Science defines reproducibility and replicability and examines the factors that may lead to non-reproducibility and non-replicability in research. Unlike the typical expectation of reproducibility between two computations, expectations about replicability are more nuanced, and in some cases a lack of replicability can aid the process of scientific discovery. This report provides recommendations to researchers, academic institutions, journals, and funders on steps they can take to improve reproducibility and replicability in science.

Learning a language--any language--involves a process wherein you learn to rely less and less on instruction and more increasingly on the aspects of the language you've mastered. Whether you're learning French, Java, or C, at some point you'll set aside the tutorial and attempt to converse on your own. It's not necessary to know every subtle facet of French in order to speak it well, especially if there's a good dictionary available. Likewise, C programmers don't need to memorize every detail of C in order to write good programs. What they need instead is a reliable, comprehensive reference that they can keep nearby. C in a Nutshell is that reference. This long-awaited book is a complete reference to the C programming language and C runtime library. Its purpose is to serve as a convenient, reliable companion in your day-to-day work as a C programmer. C in a Nutshell covers virtually everything you need to program in C, describing all the elements of the language and illustrating their use with numerous examples. The book is divided into three distinct parts. The first part is a fast-paced description, reminiscent of the classic Kernighan & Ritchie text on which many C programmers cut their teeth. It focuses specifically on the C language and preprocessor directives, including extensions

introduced to the ANSI standard in 1999. These topics and others are covered: Numeric constants Implicit and explicit type conversions Expressions and operators Functions Fixed-length and variable-length arrays Pointers Dynamic memory management Input and output The second part of the book is a comprehensive reference to the C runtime library; it includes an overview of the contents of the standard headers and a description of each standard library function. Part III provides the necessary knowledge of the C programmer's basic tools: the compiler, the make utility, and the debugger. The tools described here are those in the GNU software collection. C in a Nutshell is the perfect companion to K&R, and destined to be the most reached-for reference on your desk.

This text blends traditional introductory physics topics with an emphasis on human applications and an expanded coverage of modern physics topics, such as the existence of atoms and the conversion of mass into energy. Topical coverage is combined with the author's lively, conversational writing style, innovative features, the direct and clear manner of presentation, and the emphasis on problem solving and practical applications.

A clear and concise introduction and reference for anyone new to the subject of statistics.

"This textbook is designed for pharmacy technician students enrolled in an education and training program, for technicians reviewing for the national certification exam, and for on-site training and professional development in the workplace. It provides a complete review of the basic mathematics concepts and skills upon which a more advanced understanding of pharmacy-related topics must be built"--

One of the most often asked questions when starting out in Long Range shooting is

Windows-/Macintosh-Version

Bleak Expectations -- The Rising Threat -- A Certain Eventuality -- Dread -- Blood and Dust -- The Americans -- Love Amid the Flames -- One Year to the Day -- Epilogue.

Accuracy and Precision for Long Range ShootingA Practical Guide for RiflemenApplied Ballistics for Long Range ShootingUnderstanding the Elements and Application of External Ballistics for Successful Long-range Target Shooting and HuntingModern Advancements in Long Range ShootingThe PerfectionistsHow Precision Engineers Created the Modern WorldHarperCollins

Mathematica Cookbook helps you master the application's core principles by walking you through real-world problems. Ideal for browsing, this book includes recipes for working with numerics, data structures, algebraic equations, calculus, and statistics. You'll also venture into exotic territory with recipes for data visualization using 2D and 3D graphic tools, image processing, and music. Although Mathematica 7 is a highly advanced computational platform, the recipes in this book make it accessible to everyone -- whether you're working on high school algebra, simple graphs, PhD-level computation, financial analysis, or advanced engineering models. Learn how to use Mathematica at a higher level with functional programming and pattern matching Delve into the rich library of functions for string and structured text manipulation Learn how to apply the tools to physics and engineering problems Draw on Mathematica's access to physics, chemistry, and biology data Get techniques for solving equations in computational finance Learn how to use Mathematica for sophisticated image processing Process music and audio as musical notes, analog waveforms, or digital sound samples

Among riflemen there has always been a fascination with 'the long shot', and this book addresses every aspect of this highly specialised skill. The dedicated proponent of serious rifle accuracy will come away with loads of practical advice on ultra-long-range riflery, including the ingredients for a great long-range rifle; varmint shooting at 1,000 yards and beyond; 1,000-yard military sniping; 1,000-yard bench-rest shooting; optics for 1,000-yard shooting; long-range competitions today; hand-loading for long-range rifle competition; high-power rifle gunsmithing; replicating Billy Dixon's legendary shot; and much more.

"Everyone out there adds his or her own sort of flavor to precision rifle training, but there are some basic principles that will always apply. Shooting a precision rifle isn't easy, but it's definitely not rocket science. Here we explain the basics of how to get started in Long Range Shooting. This book includes: -How to choose the best rifle scope -Long-range precision rifle shooting -Long-range shooting tips for big game animals"

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

A how-to manual guide to the reloading of very accurate small arms ammunition, primarily for rifle shooters.

The Precision Rifle B.I.B.L.E is an unprecedented sniper instructional book. The information contained in this book has been accumulated from years of combat experience (Iraq and Afghanistan), and from the top schools our Military Special Operations, and Law Enforcement attend. All packaged up and brought to you by the successful former US Army Ranger Sniper (The Reaper 33), Nicholas Irving. Some of the topics discussed in this book includes, the up to date sniper fundamentals, various range and wind estimation and calculations (basic and advanced), environmental, high angle shooting, disproved sniper theories, transonic issues, Advanced ballistics, hit probabilities, precision shooting in urban and mountainous environments, etc. There are over 19 chapters of unparalleled topics and information ever presented in a sniper/precision book.

25% of this book's proceeds will be donated to two military charities: the Special Operation Warrior Foundation and the Sua Sponte Foundation. This book is the complete beginner's guide to long range shooting written in simple every-day language so that it's easy to follow. Included are personal tips and best advice from my years of special operations sniper schooling and experience, and as a sniper instructor. If you are an experienced shooter, this guide will be a resource covering the principles and theory of long range shooting. This is the preliminary book to help you understand fundamental concepts such as MOA vs Mils and external ballistics, that can be like a trusted resource at the range. Learning to shoot long range isn't that difficult. Once you understand the basics, you can start to master your technique and you'll be hitting targets in no time. The author has a series of online instructional videos known for their ability to take seemingly complex areas of long range shooting and breaking them down so that they're easy to understand. This book was motivated by the feedback from those videos. The handbook is broken down into three main categories: What it is/How it works, Fundamentals, and How to

use it. "What it is/How it works" covers equipment, terminology, and basic principles. "Fundamentals" covers the theory of long range shooting. "How to use it" gives you practical advice on how to implement what you've learned so far to make you a long range shooter. In his original version of Long-Range Precision Rifle, U.S. Army sniper and avid precision rifle and long-range rifle shooter, competitor, and enthusiast Anthony Cirincione II put extreme accuracy with a precision rifle within the reach of any shooter. His instruction was based on 26 months of combat deployments in Iraq and Afghanistan and his training of squad-designated marksmen for his battalion. His precision-shooting book proved to be an instant best-seller. In this expanded edition, Cirincione adds five new sections: "External Ballistic Truing." Although he briefly detailed the process of external ballistic truing in the first edition, given the level of importance to midrange and long-range target engagement, he believes that the process of truing deserves a detailed description. "Determining Fast and Correct Windage Adjustments or Holds." Cirincione covered the creation of a custom windage card for specific guns and pet loads in the first edition, but this added windage section shares his current process. The old way works fine, but his new method is faster and more precise, and doesn't require you to look at a card. As always, the process can be applied to any caliber you are using. "Midrange and Long-Range Target Engagement: Magneto Speed V3 Ballistic Chronograph vs. External Ballistic Truing." This section features a report Cirincione sent to the U.S. Army Sniper School outlining the testing of a barrel-mounted chronograph. The test pitted the device against his current method of external ballistic truing, given target engagements from 100 to 1,000 yards. It gives you a couple of different options to get on target at extended range. "How to Build a Switch-Barrel Rifle, and the Process of Swapping Barrels." As Cirincione has moved away from factory bolt-action rifles and into custom-built guns, he thought readers would appreciate information on how to build one. Not only that, but he also includes specific information on how to remove and add barrels of different calibers to that same stock and action. "Suppressed Subsonic Shooting." This section is about precision shot placement with subsonic ammo out to 400 yards. Long-Range Precision Rifle: Expanded Edition lays out the most up-to-date methods for getting the most out of whatever rifle you are using. After discussing rifle, ammunition and optic selection, Cirincione reveals his tried-and-true methods of gathering and recording data. He takes you step-by-step through the process of discovering how to make your rifle perform at its peak with every shot. You will also learn how to adjust for environmental factors and obstructions that lie between you and your target, and discover why handloading and building your own precision cartridges is an extra step well worth taking. "Anthony Cirincione was an amazing teacher while helping me get ready for sniper school. His knowledge and meticulous rifle setup techniques were instrumental to my success. Students and further help the sniper community."

Marksmanship Fundamentals is an eBook written by an active service Tier 1 Operator and covers the fundamentals of Long Range marksmanship. The book was primarily written for Beginner and Intermediate level shooters however, even experienced shooters may benefit from the book. The fact is, if you are very good at the basics (the fundamentals), Long Range shooting becomes relatively easy. The marksmanship fundamentals are the foundation of accuracy and precision and their mastery should be a focus of your training. SOME of what is covered in this eBook: * Achieving Accuracy and Precision * Influencing Factors: Environmental, Ammunition, Rifle, Optic/Scope, Shooter Ability/Marksmanship * The Fundamentals * Shooting Position Checklist * Conventional Shooting Positions * Unconventional Shooting Positions * Recoil Reduction * Dry Firing * Live Firing * Target Options * Rifle Setup

In the summer of 2003, a workshop was held in Portsmouth, NH, to discuss land measurement techniques for the North American Carbon Program. Over 40 scientists representing government agencies, academia and nonprofit research organizations located in Canada, the US and Mexico participated. During the course of the workshop a number of topics were discussed, with an emphasis on the following: • The need for an intermediate tier of carbon measurements. This level of study would be more extensive than state-level inventories of the US Forest Service Forest Inventory and Analysis Program, but less detailed than intensive ecosystem studies sites such as those in Long Term Ecological Research network. This tier would ideally provide a basis to link and scale remote sensing measurements and inventory data, and supply data required to parameterize existing models (see Wofsy and Harriss 2002, Denning et al. 2005). • The design criteria that such a network of sites should meet. The network and sampling design should be standardized, but flexible enough to be applied across North America. The design also needs to be efficient enough to be implemented without the need for large field crews, yet robust enough to provide useful information. Finally, the spatial scale must permit easy linkage to remotely sensed data. • The key variables that should be measured at each site, and the frequency of measurement.

The Key Words In Manufacturing Are Cost And Quality. While This Has Been Generally True Throughout The History Of Manufacturing, We Have Today Entered Into A Highly Competitive Stage Where Quality Has Assumed Overwhelming Importance. There Is No Survival Without It. Quality ``Just Does Not Happen, It Is Caused``. Quality Circles, Total Quality, Iso 9000, Etc. Are Some Measures To Improve Quality. The Broad Purpose Of The Present Book Is To Explain The Concept Of Part Accuracy And Machine Tool Accuracy And The Interaction Between Them. It Considers In Detail The Influence Of Various Factors Affecting Accuracy. The Factors Considered Are Stiffness, Vibrations, Thermal Effects, Tool Wear, Geometrical Inaccuracy Inherent In The Machine Tools Themselves, Cutting Conditions, Location And Others. The Interaction Of Dimensions In A Chain Of Machining Processes Is Also Included. The Standards Relevant To Accuracy Are Explained. Processes To Obtain Precision Parts Are Described. The Treatment Is Not Just Descriptive. Analytical Expressions And Numerical Examples Are Included. The Scope Of The Book Is Novel And The Subject Matter Will Be Highly Useful Not Only To An Academic In The Area Of Manufacturing But Also To An Engineer On The Shop Floor.

Authoring a PhD is a complex process. It involves having creative ideas, working out how to organize them, writing up from plans, upgrading the text, and finishing it speedily and to a good standard. It also includes being examined and getting published. Patrick Dunleavy has written Authoring a PhD based on his supervision experience with over 30 students. It provides solid advice to help your PhD students cope with both the intellectual issues and practical difficulties of organizing their work effectively. It is an indispensable and time saving aid for doctoral students in the humanities, social sciences, education, business studies, law, health, arts and visual arts, and related disciplines, and will also be a great help to supervisors.

"Anthony Cirincione was an amazing teacher while helping me get ready for sniper school. His knowledge and meticulous rifle setup techniques were instrumental to my success. As a U.S. Army Sniper School instructor, I have been able to pass on everything he taught me to students and further help the sniper community." –SSG Dustin Campbell, U.S. Army Sniper School, Ft. Benning, GA "This book is a great tool for anyone who is interested in long-range shooting and handloading for their rifle. It lays out a system that anyone can follow to successfully develop a precision rifle setup for hunting, target, or competition shooting. Stop being the guy who looks at your box of ammo for your drop and then uses "Kentucky windage," only to miss your prize animal or target. Be the guy who smoothly pulls the trigger at any distance with knowledge of where your bullet is going and confidence in a first-round hit." –Brandon Connell, civilian shooter, Memphis, TN This detailed guide puts extreme accuracy at long range with a precision rifle within the reach of any shooter. But what exactly is a precision rifle? Author Anthony Cirincione II defines it as a rifle that consistently prints 1.047 inches or smaller at 100 yards. If that's the kind of shooting that you think is beyond your capability, think again. A U.S. Army sniper and avid precision rifle and long-range rifle shooter, competitor, and enthusiast, Cirincione has 26 months' worth of combat deployments in Iraq and Afghanistan, and has trained multiple groups of squad-designated marksmen for his battalion. In this book, he lays out an easily understood method for getting the most out of whatever rifle you are using. After discussing rifle, ammunition, and optic selection, he reveals his tried-and-true methods of gathering and recording data. He takes you step-by-step through the process of discovering how to make your rifle perform at its peak with every shot. In this book you will also learn how to adjust for environmental factors and obstructions that lie between you and your target, and discover why hand loading and building

your own precision cartridges is an extra step well worth taking. Whether you are a civilian or in the military or law enforcement, all shooting sports using long guns become more rewarding and enjoyable when the shooter gains a useful understanding of the external ballistics of his rifle.

Living in a "perfect" world without social ills, a boy approaches the time when he will receive a life assignment from the Elders, but his selection leads him to a mysterious man known as the Giver, who reveals the dark secrets behind the utopian facade.

Although most mining companies utilise systems for slope monitoring, experience indicates that mining operations continue to be surprised by the occurrence of adverse geotechnical events. A comprehensive and robust performance monitoring system is an essential component of slope management in an open pit mining operation. The development of such a system requires considerable expertise to ensure the monitoring system is effective and reliable. Written by instrumentation experts and geotechnical practitioners, Guidelines for Slope Performance Monitoring is an initiative of the Large Open Pit (LOP) Project and the fifth book in the Guidelines for Open Pit Slope Design series. Its 10 chapters present the process of establishing and operating a slope monitoring system; the fundamentals of pit slope monitoring instrumentation and methods; monitoring system operation; data acquisition, management and analysis; and utilising and communicating monitoring results. The implications of increased automation of mining operations are also discussed, including the future requirements of performance monitoring. Guidelines for Slope Performance Monitoring summarises leading mine industry practice in monitoring system design, implementation, system management, data management and reporting, and provides guidance for engineers, geologists, technicians and others responsible for geotechnical risk management.

This book seeks to introduce the reader to current methodologies in analytical calibration and validation. This collection of contributed research articles and reviews addresses current developments in the calibration of analytical methods and techniques and their subsequent validation. Section 1, "Introduction," contains the Introductory Chapter, a broad overview of analytical calibration and validation, and a brief synopsis of the following chapters. Section 2 "Calibration Approaches" presents five chapters covering calibration schemes for some modern analytical methods and techniques. The last chapter in this section provides a segue into Section 3, "Validation Approaches," which contains two chapters on validation procedures and parameters. This book is a valuable source of scientific information for anyone interested in analytical calibration and validation.

The brain ... There is no other part of the human anatomy that is so intriguing. How does it develop and function and why does it sometimes, tragically, degenerate? The answers are complex. In *Discovering the Brain*, science writer Sandra Ackerman cuts through the complexity to bring this vital topic to the public. The 1990s were declared the "Decade of the Brain" by former President Bush, and the neuroscience community responded with a host of new investigations and conferences. *Discovering the Brain* is based on the Institute of Medicine conference, *Decade of the Brain: Frontiers in Neuroscience and Brain Research*. *Discovering the Brain* is a "field guide" to the brain--an easy-to-read discussion of the brain's physical structure and where functions such as language and music appreciation lie. Ackerman examines how electrical and chemical signals are conveyed in the brain. The mechanisms by which we see, hear, think, and pay attention--and how a "gut feeling" actually originates in the brain. Learning and memory retention, including parallels to computer memory and what they might tell us about our own mental capacity. Development of the brain throughout the life span, with a look at the aging brain. Ackerman provides an enlightening chapter on the connection between the brain's physical condition and various mental disorders and notes what progress can realistically be made toward the prevention and treatment of stroke and other ailments. Finally, she explores the potential for major advances during the "Decade of the Brain," with a look at medical imaging techniques--what various technologies can and cannot tell us--and how the public and private sectors can contribute to continued advances in neuroscience. This highly readable volume will provide the public and policymakers--and many scientists as well--with a helpful guide to understanding the many discoveries that are sure to be announced throughout the "Decade of the Brain."

In addition to exploring the state of the art, *Modern Advancements in Long Range Shooting* also challenges some long held beliefs about the science of accuracy. In this series, Ballistician Bryan Litz discusses the theory behind various questions, and then presents live fire experiments to show how the theory manifests in the real world. -- (publisher)

This landmark publication distills the body of knowledge that characterizes mineral processing and extractive metallurgy as disciplinary fields. It will inspire and inform current and future generations of minerals and metallurgy professionals. Mineral processing and extractive metallurgy are atypical disciplines, requiring a combination of knowledge, experience, and art. Investing in this trove of valuable information is a must for all those involved in the industry—students, engineers, mill managers, and operators. More than 192 internationally recognized experts have contributed to the handbook's 128 thought-provoking chapters that examine nearly every aspect of mineral processing and extractive metallurgy. This inclusive reference addresses the magnitude of traditional industry topics and also addresses the new technologies and important cultural and social issues that are important today. Contents Mineral Characterization and Analysis Management and Reporting Comminution Classification and Washing Transport and Storage Physical Separations Flotation Solid and Liquid Separation Disposal Hydrometallurgy Pyrometallurgy Processing of Selected Metals, Minerals, and Materials

There is an increasing need for analysts to understand and be able to quantify the performance of analytical instruments, in particular with respect to the following: * specifying equipment for purchase * estimating uncertainties in instrumental measurements * quantifying and demonstrating performance quality This text links together an understanding of performance characteristics with an appreciation of the limitations imposed by instrument design, leading to the interplay of the validation and qualification processes within quality assurance systems. A unique framework of topics covers the major instrumental techniques of spectrophotometry, chromatography, capillary electrophoresis, and atomic emission spectroscopy. The use of over 200 questions and answers, together with cross-referencing, helps to develop a thorough understanding of the various concepts that underpin the different techniques. This book will appeal to a broad range of professional chemists, technicians and students, whether with reference to specific analytical techniques, or within a general course of study in instrumental performance. *Analytical Techniques in the Sciences* This series of books provides coverage of all the major analytical techniques and their application in the most important areas of physical, life and materials sciences. Each text is presented in an open learning/distant learning style, in which the learning objectives are clearly identified. The reader's understanding of the material is constantly evaluated by the use of self-assessment and discussion questions.

The revered New York Times bestselling author traces the development of technology from the Industrial Age to the Digital Age to explore the single component crucial to advancement—precision—in a superb history that is both an homage and a warning for our future. The rise of manufacturing could not have happened without an attention to precision. At the dawn of the Industrial Revolution in eighteenth-century England, standards of measurement were established, giving way to the development of machine tools—machines that make machines. Eventually, the application of precision tools and methods resulted in the creation and mass production of items from guns and glass to mirrors, lenses, and cameras—and eventually gave way to further breakthroughs, including gene splicing, microchips, and the Hadron Collider. Simon Winchester takes us back to origins of the Industrial Age, to England where he introduces the scientific minds that helped usher in modern production: John Wilkinson, Henry Maudslay,

Joseph Bramah, Jesse Ramsden, and Joseph Whitworth. It was Thomas Jefferson who later exported their discoveries to the fledgling United States, setting the nation on its course to become a manufacturing titan. Winchester moves forward through time, to today's cutting-edge developments occurring around the world, from America to Western Europe to Asia. As he introduces the minds and methods that have changed the modern world, Winchester explores fundamental questions. Why is precision important? What are the different tools we use to measure it? Who has invented and perfected it? Has the pursuit of the ultra-precise in so many facets of human life blinded us to other things of equal value, such as an appreciation for the age-old traditions of craftsmanship, art, and high culture? Are we missing something that reflects the world as it is, rather than the world as we think we would wish it to be? And can the precise and the natural co-exist in society?

Presents instruction on word usage in current writing, suggests stylistic improvements, and answers common grammar questions. Here is a new book on methods and issues in clinical research. Its objectives can be summarized in three points. 1. Integrate medical and statistical components of clinical research. 2. Do justice to the operational and practical requirements of clinical research. 3. Give space to the ethical implications of methodological issues in clinical research. The book ends with a brief description of the drug development process and the phases of clinical development.

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