

Read Online A Practical Guide To Measuring Usability 72 Answers To The Most Common Questions About Quantifying The Usability Of Websites And Software

# **A Practical Guide To Measuring Usability 72 Answers To The Most Common Questions About Quantifying The Usability Of Websites And Software**

This hands-on guide is primarily intended to be used in undergraduate laboratories in the physical sciences and engineering. It assumes no prior knowledge of statistics. It introduces the necessary concepts where needed, with key points illustrated with worked examples and graphic illustrations. In contrast to traditional mathematical treatments it uses a combination of spreadsheet and calculus-based approaches, suitable as a quick and easy on-the-spot reference. The emphasis throughout is on practical strategies to be adopted in the laboratory. Error analysis is introduced at a level accessible to school leavers, and carried through to research level. Error calculation and propagation is presented through a series of rules-of-thumb, look-up tables and approaches amenable to computer analysis. The general approach uses the chi-square statistic extensively. Particular attention is given to hypothesis testing and extraction of parameters and their uncertainties by fitting mathematical models to experimental data. Routines implemented by most contemporary data analysis packages are analysed and explained. The book finishes with a discussion of advanced fitting strategies and an introduction to Bayesian analysis.

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Sets out the fundamental techniques used in analyzing and understanding the performance of computer systems.

The failure to recruit the right candidates can cost your company a fortune in time and money. The same applies for selecting staff for promotion. If recruits or staff are not motivated, engaged or committed, the likelihood is that your organization will suffer. This book gives you the guidance, tools and techniques to help determine the best candidates for the job. A Practical Guide to Assessment Centres and Selection Methods provides you with the right tools to gain a fully rounded picture of candidates, be they new recruits or prospects for promotion. In two parts, the book shows you how to create market-standard assessment and development centre methods in your organisation. It also provides a range of easy-to-implement assessment exercises, giving you practical advice on how to use them for best results. Part 1 shows you to understand key staff competencies and how to develop internal structures that will allow you to develop a "Competence Framework". It describes how to design and run an assessment centre which works for both the employer and the candidate. It reveals what makes a top-class assessor and describes the role of psychometric instruments in selection. Finally, it presents practical advice on how to adapt and devise your own staff selection activities for revealing the most suitable candidates, using the tools given in Part 2. Part 2 is particularly valuable. It delivers a wide range of different assessment activities designed specifically to determine key strengths and weaknesses of potential

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candidates. These activities include:

- \* a range of role-play activities. These will help you assess a number of typical issues including performance feedback, dealing with disputes and how to influence without formal authority.
- \* "In Tray" activities designed to reveal how candidates prioritise work.
- \* Report writing and analysis activities designed to reveal how participants use data and information.
- \* Open-ended group decision-making activities. These use role play in a variety of typical business situations, followed by an analytical phase to reveal how participants may have changed their views during the course of the exercise.
- \* Physical task group activities designed to be more relaxing and enabling the assessor to determine how candidates behave when they are more relaxed and less formal
- \* Mental task group activities which help participants understand how plan, organise, adapt, influence and communicate
- \* Supplementary group activities designed to act as a reserve should other exercises become "over-exposed" or if there is a need to regularly run several group activities with a nominated leader

A Practical Guide to Assessment Centres and Selection Methods provides you with a robust, rounded way to measure candidate competency in recruitment or in assessing for promotion. A FREE CD reproduces all the exercises contained in the book so that you can print them individually whenever you need.

Written for all health care professionals who wish to assess the problems of their patients and clients in a systematic and effective way—whether diagnosing a problem, predicting the response to treatment or

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monitoring change. The editors have succeeded in making this book comprehensive in scope, covering the major areas in which most clinicians and researchers will desire ready access to measurement techniques and instruments including: screening and detection of psychiatric illness, depression, obsessions and compulsions, social dysfunctioning, mental handicaps, special problems of the elderly, drug problems, eating and sleeping disorders and sexual behavior. In addition to proposing guidelines for the selection and construction of measurement methods and listing the relevant questionnaires and techniques, the merits and limits of rating scales and other methods are considered. There is also an attempt to clarify diagnostic, definitional and other conceptual issues in relation to the problems covered.

This book provides a comprehensive yet accessible guide to running randomized impact evaluations of social programs. Drawing on the experience of researchers at the Abdul Latif Jameel Poverty Action Lab, which has run hundreds of such evaluations in dozens of countries throughout the world, it offers practical insights on how to use this powerful technique, especially in resource-poor environments. This step-by-step guide explains why and when randomized evaluations are useful, in what situations they should be used, and how to prioritize different evaluation opportunities. It shows how to design and analyze studies that answer important questions while respecting the constraints of those working on and benefiting from the program being evaluated. The book gives concrete tips on issues such as improving the

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quality of a study despite tight budget constraints, and demonstrates how the results of randomized impact evaluations can inform policy. With its self-contained modules, this one-of-a-kind guide is easy to navigate. It also includes invaluable references and a checklist of the common pitfalls to avoid. Provides the most up-to-date guide to running randomized evaluations of social programs, especially in developing countries Offers practical tips on how to complete high-quality studies in even the most challenging environments Self-contained modules allow for easy reference and flexible teaching and learning Comprehensive yet nontechnical Your 100% Actionable, Proven Framework for Delivering Rock-Solid Social Media Business Metrics—Painlessly Think social marketing is worth it? Prove it. If your boss hasn't demanded that yet, he will. Then what? Hand him some jive about "return on conversation"? Think that'll fly? You'll be gone so fast you won't know what hit you. You know damn well what your boss cares about: Sales Volume. Costs. Revenue. This book will help you measure all that: credibly, accurately, and in drill-down detail. Bet you can't wait to see his face when you walk in with metrics that stand up to his most brutal questions. We're not just talking about getting "buy-in" or begging for your proverbial "seat at the table." We are talking about numbers that make careers. This book will prove your indispensability to even the most clueless executive in your company. Here's the best part: It's not hard. You won't need to become a math nerd. The tools are cheap (or free), and you're probably sitting on most of the data. This book will give you everything else,

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including simple step-by-step techniques for creating measurable strategies and getting the data to prove they deliver. You'll also get super helpful hands-on exercise worksheets where you can jot down your answers and notes. Nichole Kelly has been refining this stuff for 14 years. She's helped hundreds of marketers prove their value to bosses and boardrooms. Now it's your turn. If you're a marketer or agency pro, this is a game you have to play. Win it. Reliable answers to questions like: How much revenue did our activities on social media platforms generate this month? Are social media prospects more likely to convert to customers? Which status update delivered the highest conversion rate? How long do we retain new social media customers? Do they spend more or less than customers from other channels? Do they make repeat purchases more often than other customers? And much more...

Modern wireless communications hardware is underpinned by RF and microwave design techniques. This insightful book contains a wealth of circuit layouts, design tips, and practical measurement techniques for building and testing practical gigahertz systems. The book covers everything you need to know to design, build, and test a high-frequency circuit. Microstrip components are discussed, including tricks for extracting good performance from cheap materials. Connectors and cables are also described, as are discrete passive components, antennas, low-noise amplifiers, oscillators, and frequency synthesizers. Practical measurement techniques are presented in detail, including the use of network analyzers, sampling oscilloscopes, spectrum

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analyzers, and noise figure meters. Throughout the focus is practical, and many worked examples and design projects are included. There is also a CD-ROM that contains a variety of design and analysis programs. The book is packed with indispensable information for students taking courses on RF or microwave circuits and for practising engineers.

Teams members will use this handy reference to set team objectives and track and evaluate team performance.

The purpose of this 2006 book is to present non-invasive methods of measuring the biological responses to psychosocial stress in humans, in non-laboratory (field) settings. Following the pathways of Seyle's General Adaptation Syndrome, the text first describes how to assess the psychosocial stressors of everyday life and then outlines how to measure the psychological, behavioral, neurohumeral, physiological and immunological responses to them. The book concludes with practical information on assessing special populations, analyzing the often-complicated data that are collected in field stress studies and the ethical treatment of human subjects in stress studies. It is intended to be a practical guide for developing and conducting psychophysiological stress research in human biology. This book will assist students and professionals in designing field studies of stress.

This book was written to familiarize beginners with general theoretical principles, requirements, applications, and processing steps of the Eddy Covariance method. It is intended to assist in further understanding the method,

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and provides references such as textbooks, network guidelines and journal papers. It is also intended to help students and researchers in field deployment of instruments used with the Eddy Covariance method, and to promote its use beyond micrometeorology.

A concise, yet deep introduction to geometrical optics, developing the practical skills and research techniques routinely used in modern laboratories. Suitable for both students and self-learners, this accessible text teaches readers how to build their own optical laboratory, and design and perform optical experiments.

Quantifying the User Experience: Practical Statistics for User Research offers a practical guide for using statistics to solve quantitative problems in user research. Many designers and researchers view usability and design as qualitative activities, which do not require attention to formulas and numbers. However, usability practitioners and user researchers are increasingly expected to quantify the benefits of their efforts. The impact of good and bad designs can be quantified in terms of conversions, completion rates, completion times, perceived satisfaction, recommendations, and sales. The book discusses ways to quantify user research; summarize data and compute margins of error; determine appropriate samples sizes; standardize usability questionnaires; and settle controversies in measurement and statistics. Each chapter concludes with a list of key points and references. Most chapters also include a set of problems and answers that enable readers to test their understanding of the material. This book is a valuable resource for those engaged in

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measuring the behavior and attitudes of people during their interaction with interfaces. Provides practical guidance on solving usability testing problems with statistics for any project, including those using Six Sigma practices Show practitioners which test to use, why they work, best practices in application, along with easy-to-use excel formulas and web-calculators for analyzing data Recommends ways for practitioners to communicate results to stakeholders in plain English Resources and tools available at the authors' site:

<http://www.measuringu.com/>

There is a tendency to make flow measurement a highly theoretical and technical subject but what most influences quality measurement is the practical application of meters, metering principles, and metering equipment and the use of quality equipment that can continue to function through the years with proper maintenance have the most influence in obtaining quality measurement. This guide provides a review of basic laws and principles, an overview of physical characteristics and behavior of gases and liquids, and a look at the dynamics of flow. The authors examine applications of specific meters, readout and related devices, and proving systems. Practical guidelines for the meter in use, condition of the fluid, details of the entire metering system, installation and operation, and the timing and quality of maintenance are also included. This book is dedicated to condensing and sharing the authors' extensive experience in solving flow measurement problems with design engineers, operating personnel (from top supervisors to the newest testers),

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academically-based engineers, engineers of the manufacturers of flow meter equipment, worldwide practitioners, theorists, and people just getting into the business. The authors' many years of experience are brought to bear in a thorough review of fluid flow measurement methods and applications Avoids theory and focuses on presentation of practical data for the novice and veteran engineer Useful for a wide range of engineers and technicians (as well as students) in a wide range of industries and applications

A new edition of this practical guide for clinicians who are developing tools to measure subjective states, attitudes, or non-tangible outcomes in their patients, suitable for those who have no knowledge of statistics. - ;Clinicians and those in health sciences are frequently called upon to measure subjective states such as attitudes, feelings, quality of life, educational achievement and aptitude, and learning style in their patients. This fourth edition of Health Measurement Scales enables these groups, who often have limited knowledge of statistics, to both develop scales to measure non-tangible health outcomes, and better evaluate and differentiate between existing tools. It covers how the individual items are developed; various biases that can affect responses (eg social desirability, yea-saying, framing); various response options; how to select the best items in the set; how to combine them into a scale; and then how to determine the reliability and validity of the scale. It concludes with a discussion of ethical issues that may be encountered, and guidelines for reporting the results of the scale development process. Appendices include a

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comprehensive guide to finding existing scales, and a brief introduction to exploratory and confirmatory factor analysis. It synthesizes the theory of scale construction with practical advice, making it the ultimate guide to how to develop and validate measurement scales that are to be used in the health sciences. -

Identifying, measuring and improving social impact is a significant challenge for corporate and private foundations, charities, NGOs and corporations. How best to balance possible social and environmental benefits (and costs) against one another? How does one bring clarity to multiple possibilities and opportunities? Based on years of work and new field studies from around the globe, the authors have written a book for managers that is grounded in the best academic and managerial research. It is a practical guide that describes the steps needed for identifying, measuring and improving social impact. This approach is useful in maximizing the impact of different types of investments, including grants and donations, impact investments, and commercial investments. With numerous examples of actual organizational approaches, research into more than fifty organizations, and extensive practical guidance and best practices, *Measuring and Improving Social Impacts* fills a critical gap.

The success of the Apgar score demonstrates the astounding power of an appropriate clinical instrument. This down-to-earth book provides practical advice, underpinned by theoretical principles, on developing and evaluating measurement instruments in all fields of medicine. It equips you to choose the most appropriate

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instrument for specific purposes. The book covers measurement theories, methods and criteria for evaluating and selecting instruments. It provides methods to assess measurement properties, such as reliability, validity and responsiveness, and interpret the results. Worked examples and end-of-chapter assignments use real data and well-known instruments to build your skills at implementation and interpretation through hands-on analysis of real-life cases. All data and solutions are available online. This is a perfect course book for students and a perfect companion for professionals/researchers in the medical and health sciences who care about the quality and meaning of the measurements they perform.

The Concise Industrial Flow Measurement Handbook: A Definitive Practical Guide covers the complete range of modern flow measuring technologies and represents 40 years of experiential knowledge within a wide variety of industries, and from more than 5000 technicians and engineers who have attended the author's workshops. This book covers all the current technologies in flow measurement, including high accuracy Coriolis, ultrasonic custody transfer, and high accuracy magnetic flowmeters. The book also discusses flow proving and limitations of different proving methods. This volume contains over 300 explanatory drawings and graphs and is presented in a form suitable for both the beginner, with no prior knowledge of the subject, as well as the more advanced specialist.

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This book is aimed at professionals in the field, including chemical engineers, process engineers, instrumentation and control engineers, and mechanical engineers.

This highly practical handbook is an exhaustive treatment of eddy covariance measurement that will be of keen interest to scientists who are not necessarily specialists in micrometeorology. The chapters cover measuring fluxes using eddy covariance technique, from the tower installation and system dimensioning to data collection, correction and analysis. With a state-of-the-art perspective, the authors examine the latest techniques and address the most up-to-date methods for data processing and quality control. The chapters provide answers to data treatment problems including data filtering, footprint analysis, data gap filling, uncertainty evaluation, and flux separation, among others. The authors cover the application of measurement techniques in different ecosystems such as forest, crops, grassland, wetland, lakes and rivers, and urban areas, highlighting peculiarities, specific practices and methods to be considered. The book also covers what to do when you have all your data, summarizing the objectives of a database as well as using case studies of the CarboEurope and FLUXNET databases to demonstrate the way they should be maintained and managed. Policies for data use, exchange and publication are also

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discussed and proposed. This one compendium is a valuable source of information on eddy covariance measurement that allows readers to make rational and relevant choices in positioning, dimensioning, installing and maintaining an eddy covariance site; collecting, treating, correcting and analyzing eddy covariance data; and scaling up eddy flux measurements to annual scale and evaluating their uncertainty.

A detailed and readable guide that answers the most common questions that arise when measuring the usability of websites, software or cellphones. What measures do you take? What do have users do? What questionnaires do you use? What about sample size and statistical analysis?

This book offers a genuinely practical introduction to the most commonly encountered optical and non-optical systems used for the metrology and characterization of surfaces, including guidance on best practice, calibration, advantages and disadvantages, and interpretation of results. It enables the user to select the best approach in a given context. Most methods in surface metrology are based upon the interaction of light or electromagnetic radiation (UV, NIR, IR), and different optical effects are utilized to get a certain optical response from the surface; some of them record only the intensity reflected or scattered by the surface, others use interference of EM waves to obtain a

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characteristic response from the surface. The book covers techniques ranging from microscopy (including confocal, SNOM and digital holographic microscopy) through interferometry (including white light, multi-wavelength, grazing incidence and shearing) to spectral reflectometry and ellipsometry. The non-optical methods comprise tactile methods (stylus tip, AFM) as well as capacitive and inductive methods (capacitive sensors, eddy current sensors). The book provides: Overview of the working principles Description of advantages and disadvantages Currently achievable numbers for resolutions, repeatability, and reproducibility Examples of real-world applications A final chapter discusses examples where the combination of different surface metrology techniques in a multi-sensor system can reasonably contribute to a better understanding of surface properties as well as a faster characterization of surfaces in industrial applications. The book is aimed at scientists and engineers who use such methods for the measurement and characterization of surfaces across a wide range of fields and industries, including electronics, energy, automotive and medical engineering.

Expanded, revised and updated here, this detailed guide is truly unique, giving accurate metric equivalents and conversion factors for no fewer than 10,000 scientific units with detailed descriptions of

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over 2,000. It covers the whole spectrum of science, technology and medicine, and deals with US, British, conventional metric, historic and SI units. The pocket-sized format and slot-in user guide bookmark makes it handy and user-friendly, a great time-saver, and a perfect addition to any research department, engineers, scientists or students library.

This guide will help you track the results of post-training performance.

Key Performance Indicators (KPIs) are indispensable for measuring business, but if they don't serve a larger mission, it's easy to lose sight of why you're measuring in the first place. Tracking the dynamic relationship between mission and measurement, this book is logical, approachable, and filled with relatable anecdotes. Greg Brisendine has provided strategic and measurement consulting to Fortune 100 companies and to small startups. In all cases, he starts by finding out what's important to those leaders. From there, he maps a path to their KPIs. That mission-driven approach is what he brings to this book. *Measuring Success* is an indispensable tool for anyone with the ambition to affect change - from new managers to seasoned leaders.

This new book explains the Productivity Measurement and Enhancement system (ProMES) and how it meets the criteria for an optimal measurement and feedback system. It summarizes

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all the research that has been done on productivity, mentioning other measurement systems, and gives detailed information on how to implement this one in organizations. This book will be of interest to behavioral science researchers and professionals who wish to learn more about the practical methods of measuring and improving organizational productivity.

This immensely practical guide to PIV provides a condensed, yet exhaustive guide to most of the information needed for experiments employing the technique. This second edition has updated chapters on the principles and extra information on microscopic, high-speed and three component measurements as well as a description of advanced evaluation techniques. What's more, the huge increase in the range of possible applications has been taken into account as the chapter describing these applications of the PIV technique has been expanded.

Recent regulations on heavy metal testing have required the pharmaceutical industry to monitor a suite of elemental impurities in pharmaceutical raw materials, drug products and dietary supplements. These new directives are described in the new United States Pharmacopeia (USP) Chapters , , and , together with Q3D, Step 4 guidelines for elemental impurities, drafted by the ICH (International Conference on Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Use), a consortium of global pharmaceutical associations, including the European Pharmacopeia (Ph.Eur.), the Japanese Pharmacopeia (JP) and the USP. This book provides a complete guide to the analytical methodology, instrumental techniques and sample preparation procedures used for measuring elemental

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impurities in pharmaceutical and nutraceutical materials. It offers readers the tools to better understand plasma spectrochemistry to optimize detection capability for the full suite of elemental PDE (Permitted Daily Exposure) levels in the various drug delivery categories. Other relevant information covered in the book includes: The complete guide to measuring elemental impurities in pharmaceutical and nutraceutical materials. Covers heavy metals testing in the pharmaceutical industry from an historical perspective. Gives an overview of current USP Chapters and and ICH Q3D Step 4 Guidelines. Explains the purpose of validation protocols used in Chapter , including how J-values are calculated Describes fundamental principles and practical capabilities of ICP-MS and ICP-OES. Offers guidelines about the optimum strategy for risk assessment Provides tips on how best to prepare and present your data for regulatory inspection. An indispensable resource, the fundamental principles and practical benefits of ICP-OES and ICP-MS are covered in a reader-friendly format that a novice, who is carrying out elemental impurities testing in the pharmaceutical and nutraceutical communities, will find easy to understand. A clear and concise practical guide to the principles and methods of studies of behaviour.

How to Measure Training Results presents practical tools for collecting and measuring six types of data critical to an overall evaluation of training. This timely resource: Includes dozens of reproducible tools and processes for training evaluation Shows how to measure both financial and intangible/non-financial results

A new edition of this practical guide for clinicians who are developing tools to measure subjective states, attitudes, or non-tangible outcomes in their patients, suitable for those who have no knowledge of statistics.

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A one-stop, concise guide on determining and measuring thin film thickness by optical methods. This practical book covers the laws of electromagnetic radiation and interaction of light with matter, as well as the theory and practice of thickness measurement, and modern applications. In so doing, it shows the capabilities and opportunities of optical thickness determination and discusses the strengths and weaknesses of measurement devices along with their evaluation methods. Following an introduction to the topic, Chapter 2 presents the basics of the propagation of light and other electromagnetic radiation in space and matter. The main topic of this book, the determination of the thickness of a layer in a layer stack by measuring the spectral reflectance or transmittance, is treated in the following three chapters. The color of thin layers is discussed in chapter 6. Finally, in chapter 7, the author discusses several industrial applications of the layer thickness measurement, including high-reflection and anti-reflection coatings, photolithographic structuring of semiconductors, silicon on insulator, transparent conductive films, oxides and polymers, thin film photovoltaics, and heavily doped silicon. Aimed at industrial and academic researchers, engineers, developers and manufacturers involved in all areas of optical layer and thin optical film measurement and metrology, process control, real-time monitoring, and applications.

- Provides step-by-step guidance for students who will be conducting their first surveys to collect factual information, measure attitudes, and evaluate products, services, and programs using questionnaires.
- Each chapter is structured around easy-to-follow guidelines.
- Numerous examples illustrate the guidelines. The examples are on timely topics of interest to students.
- This short book is an ideal supplement for guiding students through a class project. At the end of

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Chapter 1, they write the objectives for their questionnaires.

They then follow the guidelines in subsequent chapters to complete their project. • Exercises at the end of each chapter allow students to practice their newly acquired skills. •

Students learn that using questionnaires in research is both an art and a science—with principles that need to be followed for efficient, effective data collection. • Thoroughly field-tested for student interest and comprehension, this book is sure to please both you and your students. • We've had highly positive feedback from the numerous professors who have adopted this book to guide students in conducting term projects.

Instrumental measurements of the sensory quality of food and drink are of growing importance in both complementing data provided by sensory panels and in providing valuable data in situations in which the use of human subjects is not feasible. Instrumental assessment of food sensory quality reviews the range and use of instrumental methods for measuring sensory quality. After an introductory chapter, part one goes on to explore the principles and practice of the assessment and analysis of food appearance, flavour, texture and viscosity. Part two reviews advances in methods for instrumental assessment of food sensory quality and includes chapters on food colour measurement using computer vision, gas chromatography-olfactometry (GC-O), electronic noses and tongues for in vivo food flavour measurement, and non-destructive methods for food texture assessment. Further chapters highlight in-mouth measurement of food quality and emerging flavour analysis methods for food authentication. Finally, chapters in part three focus on the instrumental assessment of the sensory quality of particular foods and beverages including meat, poultry and fish, baked goods, dry crisp products, dairy products, and fruit and vegetables. The instrumental assessment of the sensory quality of wine, beer,

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and juices is also discussed. Instrumental assessment of food sensory quality is a comprehensive technical resource for quality managers and research and development personnel in the food industry and researchers in academia interested in instrumental food quality measurement. Reviews the range and use of instrumental methods for measuring sensory quality Explores the principles and practice of the assessment and analysis of food appearance, flavour, texture and viscosity Reviews advances in methods for instrumental assessment of food sensory quality

A Practical Guide to the Study of Calcium in Living Cells describes popular techniques along with helpful do's and don't's and computer programs. The volume enables investigators to evaluate confocal images, use the latest dyes, and design Calcium buffers appropriate to their research needs. This book is designed for laboratory use by graduate students, technicians, and researchers in many disciplines, ranging from molecular to cellular levels of investigation. Describes techniques for detection of  $[Ca^{2+}]_i$ :  
Ca<sup>2+</sup> - sensitive microelectrodes  
Fluorescent dyes  
Luminescent proteins  
Includes techniques for perturbing intracellular Ca<sup>2+</sup>  
Covers detailed methodology plus problems and pitfalls of each technique  
Contains a practical guide to preparing Ca<sup>2+</sup> buffers with an easy-to-use computer program  
Color plates illustrate techniques such as  
Confocal ratio-imaging  
Use of aequorin

This volume is the first practical guide for developing productivity measurement systems. It describes the use of the Productivity Measurement and Enhancement System (ProMES), designed by its author and his colleagues. Written at an introductory level, and featuring engaging case examples, this book reviews the theory and practice of personal and egocentric network research. This approach offers powerful tools for capturing the impact of overlapping,

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changing social relationships and contexts on individuals' attitudes and behavior. The authors provide solid guidance on the formulation of research questions; research design; data collection, including decisions about survey modes and sampling frames; the measurement of network composition and structure, including the use of name generators; and statistical modeling, from basic regression techniques to more advanced multilevel and dynamic models. Ethical issues in personal network research are addressed. User-friendly features include boxes on major published studies, end-of-chapter suggestions for further reading, and an appendix describing the main software programs used in the field. When a company is committed to growing through innovation - not just exploiting the existing business models - standard accounting documents offer insufficient and, oftentimes irrelevant data. Innovation Accounting is a practical guide for these companies to help them measure and track innovation. Most established organizations have understood the need to innovate and become more digital, however the management tools available to leaders seeking to understand the investments in innovation are lacking. Financial accounting in particular is difficult to use in the context of (digital) innovation. Therefore a new complementary system for measuring and tracking innovation is needed. The book provides tools, frameworks, templates, and visualizations that can be easily understood and applied. These can all be used by executives looking for a new way of measuring corporate performance in a world where accounting-recognized assets are becoming commodities, by investors seeking better ways of looking at a company's growth potential, and by managers who need to value innovation product teams using more than just financial indicators. Innovation Accounting is an essential go-to book for anyone that wants to measure their company's innovation ecosystem.

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Moisture analysis covers a variety of methods for measuring high levels of moisture, as well as trace amounts, in solids, liquids, or gases. There are many applications where trace moisture measurements are indispensable for manufacturing and for process quality assurance. Trace moisture in solids must be controlled for plastics, pharmaceuticals and heat treatment processes. Measurement applications in gases and liquids include, for example, drying processes, hydrocarbon processing, pure gases in the semiconductor industry, natural gas pipeline transport, the conditioning of food and other products. Written by experts with over 20 years of experience in the field, this one-stop guide covers all aspects of these measurements, including both the theory and a wealth of practical know-how. As such, it includes guidelines on installation, on the realization of standards for absolute and relative humidity, verification and traceability measurements, equipment calibration methods and the latest research developments. Backed by numerous case studies, this practical book serves the needs of those working in the industry tasked with performing or developing new techniques and processes for moisture and humidity measurement. As a result, the scientist or engineer has all the information required for accurate, reliable, economically viable and efficient moisture measurement.

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