

# Measuring The User Experience Second Edition Collecting Analyzing And Presenting Usability Metrics Interactive Technologies

How do we create a satisfactory user experience when limited to a small device? This new guide focuses on usability for mobile devices, primarily smartphones and touchphones, and covers such topics as developing a mobile strategy, designing for small screens, writing for mobile, usability comparisons, and looking toward the future. The book includes 228-full color illustrations to demonstrate the points. Based on expert reviews and international studies with participants ranging from students to early technology adopters and business people using websites on a variety of mobile devices, this guide offers a complete look at the landscape for a mobile world. Author Jakob Nielsen is considered one of the world's leading experts on Web usability. He is the author of numerous best-selling books, including *Prioritizing Web Usability* and the groundbreaking *Designing Web Usability*, which has sold more than 250,000 copies and has been translated in 22 languages.

Table of contents

## Access Free Measuring The User Experience Second Edition Collecting Analyzing And Presenting Usability Metrics Interactive Technologies

This new and completely updated edition is a comprehensive, easy-to-read, "how-to" guide on user research methods. You'll learn about many distinct user research methods and also pre- and post-method considerations such as recruiting, facilitating activities or moderating, negotiating with product developments teams/customers, and getting your results incorporated into the product. For each method, you'll understand how to prepare for and conduct the activity, as well as analyze and present the data - all in a practical and hands-on way. Each method presented provides different information about the users and their requirements (e.g., functional requirements, information architecture). The techniques can be used together to form a complete picture of the users' needs or they can be used separately throughout the product development lifecycle to address specific product questions. These techniques have helped product teams understand the value of user experience research by providing insight into how users behave and what they need to be successful. You will find brand new case studies from leaders in industry and academia that demonstrate each method in action. This book has something to offer whether you are new to user experience or a seasoned UX professional. After reading this book, you'll be able to choose the right user research method for your research question and conduct a user research study. Then, you will be able to apply your findings to your own

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products. Completely new and revised edition includes 30+% new content! Discover the foundation you need to prepare for any user research activity and ensure that the results are incorporated into your products Includes all new case studies for each method from leaders in industry and academia

Six Sigma for Managers is a practical overview on how to implement Six Sigma practices in everyday business. Emphasizing straightforward explanations instead of complex charts and statistics, it shows managers how to map processes, measure smart, and follow other Six Sigma principles.

This book focuses on emerging issues in ergonomics, with a special emphasis on modeling, usability engineering, human computer interaction and innovative design concepts. It presents advanced theories in human factors, cutting-edge applications aimed at understanding and improving human interaction with products and systems, and discusses important usability issues. The book covers a wealth of topics, including devices and user interfaces, virtual reality and digital environments, user and product evaluation, and limits and capabilities of special populations, particularly the elderly population. It presents both new research methods and user-centered evaluation approaches. Based on the AHFE 2016 International Conference on Ergonomics Modeling, Usability and Special Populations, held on July 27-31, 2016, in Walt Disney World®, Florida, USA, the

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book addresses professionals, researchers, and students dealing with visual and haptic interfaces, user-centered design, and design for special populations, particularly the elderly.

The creation of the Common European Framework of Reference for Languages (CEFR) has given rise to interest and debate among policy makers, testers, teachers and researchers alike in the reliability and feasibility of the assessment of second language (L2) proficiency. This volume brings together concrete ideas on identifying and measuring L2 proficiency from different branches of SLA research (psycholinguistic, sociolinguistic, corpus-based, applied linguistics) to contribute to a deeper understanding of what it means to be proficient in an L2. The chapters introduce a wide range of tools that are innovative, reliable, and easy-to-use for the evaluation of learners' language level with respect to both productive and receptive skills and provide a variety of answers to the question of how to assess L2 proficiency in a valid, reliable and practical manner. The collection will therefore inspire language teachers, teacher trainers and language testing specialists and help them adapt their assessment practices when necessary, and will also be a valuable resource for postgraduate students and researchers.

Many racial and ethnic groups in the United States, including blacks, Hispanics,

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Asians, American Indians, and others, have historically faced severe discrimination—pervasive and open denial of civil, social, political, educational, and economic opportunities. Today, large differences among racial and ethnic groups continue to exist in employment, income and wealth, housing, education, criminal justice, health, and other areas. While many factors may contribute to such differences, their size and extent suggest that various forms of discriminatory treatment persist in U.S. society and serve to undercut the achievement of equal opportunity. *Measuring Racial Discrimination* considers the definition of race and racial discrimination, reviews the existing techniques used to measure racial discrimination, and identifies new tools and areas for future research. The book conducts a thorough evaluation of current methodologies for a wide range of circumstances in which racial discrimination may occur, and makes recommendations on how to better assess the presence and effects of discrimination.

The number one guide to corporate valuation is back and better than ever. Thoroughly revised and expanded to reflect business conditions in today's volatile global economy, *Valuation, Fifth Edition* continues the tradition of its bestselling predecessors by providing up-to-date insights and practical advice on how to create, manage, and measure the value of an organization. Along with all

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new case studies that illustrate how valuation techniques and principles are applied in real-world situations, this comprehensive guide has been updated to reflect new developments in corporate finance, changes in accounting rules, and an enhanced global perspective. Valuation, Fifth Edition is filled with expert guidance that managers at all levels, investors, and students can use to enhance their understanding of this important discipline. Contains strategies for multi-business valuation and valuation for corporate restructuring, mergers, and acquisitions Addresses how you can interpret the results of a valuation in light of a company's competitive situation Also available: a book plus CD-ROM package (978-0-470-42469-8) as well as a stand-alone CD-ROM (978-0-470-42457-7) containing an interactive valuation DCF model Valuation, Fifth Edition stands alone in this field with its reputation of quality and consistency. If you want to hone your valuation skills today and improve them for years to come, look no further than this book.

On the surface, design practices and data science may not seem like obvious partners. But these disciplines actually work toward the same goal, helping designers and product managers understand users so they can craft elegant digital experiences. While data can enhance design, design can bring deeper meaning to data. This practical guide shows you how to conduct data-driven A/B

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testing for making design decisions on everything from small tweaks to large-scale UX concepts. Complete with real-world examples, this book shows you how to make data-driven design part of your product design workflow. Understand the relationship between data, business, and design Get a firm grounding in data, data types, and components of A/B testing Use an experimentation framework to define opportunities, formulate hypotheses, and test different options Create hypotheses that connect to key metrics and business goals Design proposed solutions for hypotheses that are most promising Interpret the results of an A/B test and determine your next move

Data is at the center of many challenges in system design today. Difficult issues need to be figured out, such as scalability, consistency, reliability, efficiency, and maintainability. In addition, we have an overwhelming variety of tools, including relational databases, NoSQL datastores, stream or batch processors, and message brokers. What are the right choices for your application? How do you make sense of all these buzzwords? In this practical and comprehensive guide, author Martin Kleppmann helps you navigate this diverse landscape by examining the pros and cons of various technologies for processing and storing data. Software keeps changing, but the fundamental principles remain the same. With this book, software engineers and architects will learn how to apply those

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ideas in practice, and how to make full use of data in modern applications. Peer under the hood of the systems you already use, and learn how to use and operate them more effectively Make informed decisions by identifying the strengths and weaknesses of different tools Navigate the trade-offs around consistency, scalability, fault tolerance, and complexity Understand the distributed systems research upon which modern databases are built Peek behind the scenes of major online services, and learn from their architectures Why attractive things work better and other crucial insights into human-centered design Emotions are inseparable from how we humans think, choose, and act. In Emotional Design, cognitive scientist Don Norman shows how the principles of human psychology apply to the invention and design of new technologies and products. In The Design of Everyday Things, Norman made the definitive case for human-centered design, showing that good design demanded that the user's must take precedence over a designer's aesthetic if anything, from light switches to airplanes, was going to work as the user needed. In this book, he takes his thinking several steps farther, showing that successful design must incorporate not just what users need, but must address our minds by attending to our visceral reactions, to our behavioral choices, and to the stories we want the things in our lives to tell others about ourselves. Good human-centered design isn't just about



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making effective tools that are straightforward to use; it's about making affective tools that mesh well with our emotions and help us express our identities and support our social lives. From roller coasters to robots, sports cars to smart phones, attractive things work better. Whether designer or consumer, user or inventor, this book is the definitive guide to making Norman's insights work for you.

As more UX and web professionals need to justify their design decisions with solid, reliable data, *Measuring the User Experience, Third Edition* provides the quantitative analysis training that students and professionals need. *Measuring the User Experience* was the first book that focused on how to quantify the user experience. Now in the third edition, the authors have expanded on the area of behavioral and physiological metrics, splitting that chapter into two new ones: Eye-Tracking, and Measuring Emotion. The book also contains new research and updated examples, several new case studies, and new examples using the most recent version of Excel. Helps readers learn which metrics to select for every case, including behavioral, physiological, emotional, aesthetic, gestural, verbal, and physical, as well as more specialized metrics such as eye-tracking and clickstream data Provides a vendor-neutral examination of how to measure the user experience with web sites, digital products, and virtually any other type

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of product or system Contains new and in-depth global case studies showing how organizations have successfully used metrics and the information they revealed Companion site, [www.measuringux.com](http://www.measuringux.com), includes articles, tools, spreadsheets, presentations, and other resources to help readers effectively measure the user experience

Measuring the User Experience Collecting, Analyzing, and Presenting Usability Metrics Newnes

Good UX is based on evidence; qualitative evidence, such as user testing and field research, can only get you so far. What you need is quantitative evidence: analytics. This book will show you, step-by-step, how you can use website and app analytics data to inform design choices and definitively improve user experience. Offering practical guidelines, with plenty of detailed examples, this book covers: Why you need to gather analytics data for your UX projects Getting set up with analytics tools Analyzing data How to find problems in your analytics Use analytics to aid user research Measure and report on outcomes

In the spring of 2010, Harvard Business School's graduating class asked HBS professor Clay Christensen to address them—but not on how to apply his principles and thinking to their post-HBS careers. The students wanted to know how to apply his wisdom to their personal lives. He shared with them a set of

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guidelines that have helped him find meaning in his own life, which led to this now-classic article. Although Christensen's thinking is rooted in his deep religious faith, these are strategies anyone can use. Since 1922, Harvard Business Review has been a leading source of breakthrough ideas in management practice. The Harvard Business Review Classics series now offers you the opportunity to make these seminal pieces a part of your permanent management library. Each highly readable volume contains a groundbreaking idea that continues to shape best practices and inspire countless managers around the world.

Measuring the User Experience provides the first single source of practical information to enable usability professionals and product developers to effectively measure the usability of any product by choosing the right metric, applying it, and effectively using the information it reveals. Authors Tullis and Albert organize dozens of metrics into six categories: performance, issues-based, self-reported, web navigation, derived, and behavioral/physiological. They explore each metric, considering best methods for collecting, analyzing, and presenting the data. They provide step-by-step guidance for measuring the usability of any type of product using any type of technology. This book is recommended for usability professionals, developers, programmers, information architects, interaction

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designers, market researchers, and students in an HCI or HFE program. • Presents criteria for selecting the most appropriate metric for every case • Takes a product and technology neutral approach • Presents in-depth case studies to show how organizations have successfully used the metrics and the information they revealed

Weights and measures form an essential part of our ingrained view of the world. It is just about impossible to function effectively without some internalized system of measurement. In this volume, I outline a history of the science of measurement, and the 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

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valuable resource for those engaged in 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/>

A foundational yet practical approach to UX that delivers more creative, collaborative, holistic, and mature design solutions, regardless of your background or experience

About This Book Improve your UX design awareness and skills Gain greater confidence to know when you have delivered a “good” UX design Learn by example using a book designed by a UX mind for a UX mind Who This Book Is For This book is written for the beginner as well as the experienced UX practitioner, regardless of team size, company size, or job title. It is also intended for anyone with an interest in UX, engages with UX, is involved in any way in interactive problem solving and design, or simply wants to learn more about what we do, how we do it, and why those in the UX field are so passionate about wanting to do it better. What You Will Learn Awaken your UX mind and dispel the myths of non-UX thinkers Create the six optimal conditions for your best ideas to appear Identify and incorporate the ten design principles found in all good UX

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design Develop a broader understanding of Information Architecture (IA) to better engage, guide, and inform Develop a fundamental understanding of patterns and the properties that create them Raise your level of UX maturity with a strategy that transforms your approach to problem solving and helps others understand the true value of your work Utilize important tools of the UX trade that never go out of style Increase your knowledge of UX, incorporate valuable ideas and insights into your work, and look at design from a very unique perspective In Detail Written in an easy-to-read style, this book provides real-world examples, a historical perspective, and a holistic approach to design that will ground you in the fundamental essentials of interactive design, allow you to make more informed design decisions, and increase your understanding of UX in order to reach the highest levels of UX maturity. As you will see, UX is more than just delighting customers and users. It is also about thinking like a UX practitioner, making time for creativity, recognizing good design when you see it, understanding Information Architecture as more than just organizing and labeling websites, using design patterns to influence user behavior and decision making, approaching UX from a business perspective, transforming your client's and company's fundamental understanding of UX and its true value, and so much more. This book is an invaluable resource of knowledge, perspective, and inspiration for those seeking to become better UX designers, increase their confidence, become more mature design leaders, and deliver solutions that provide measurable value to stakeholders,

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customers, and users regardless of project type, size, and delivery method. Style and approach An in-depth, easy to read, and entertaining journey into and through the world of UX using real-world examples, thoughtful illustrations, and engaging quotes to inspire and explain fully the how and why of UX in a practical and impactful way and used immediately in your own work.

Protocols exist in the field of user experience, but in light of the challenges faced by globalization, you must now incorporate new methodologies and best practices to analyze, test, design, and evaluate products that take into account a multinational user base. Current UX books and resources don't focus on the unique challenges of creating usable, well-designed products and services in light of varying cultures, technology, and breadth of audience. Challenges you may face on a daily level include: Policies, practices and behavior in multinational organizations; Cross-cultural distributed team issues; Multi-national corporations working across national boundaries and across cultures (both national and corporate); Global standards and national regulations; Accessibility for a global audience, including disabilities; and much more. With *Global UX*, industry leaders Whitney Quesenbery and Daniel Szuc resolve this issue by offering real world examples of successful UX practice, organized by the authors around specific project objectives, as examples of different ways of working globally. Throughout the book, they provide best practices and lessons learned to help answer common questions and avoid common problems in a multitude of situations. The

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chapters introduce themes and frameworks of challenges, and then provide related case studies that present how experts solved that problem. This book provides a valuable resource for anyone looking to incorporate new globalized methodologies.

\*Covers practical user experience best practices for the global environment \*Features numerous, global, real-world examples, based on interviews with over 60 UX managers and practitioners from around the world \*Contains case studies and vignettes from user research and design projects for multinational companies and small start-ups

*It's Our Research: Getting Stakeholder Buy-in for User Experience Research Projects* discusses frameworks, strategies, and techniques for working with stakeholders of user experience (UX) research in a way that ensures their buy-in. This book consists of six chapters arranged according to the different stages of research projects. Topics discussed include the different roles of business, engineering, and user-experience stakeholders; identification of research opportunities by developing empathy with stakeholders; and planning UX research with stakeholders. The book also offers ways of teaming up with stakeholders; strategies to improve the communication of research results to stakeholders; and the nine signs that indicate that research is making an impact on stakeholders, teams, and organizations. This book is meant for UX people engaged in usability and UX research. Written from the perspective of an in-house UX researcher, it is also relevant for self-employed practitioners and consultants who work in agencies. It is especially directed at UX teams that face no-time-no-money-for-



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research situations. Named a 2012 Notable Computer Book for Information Systems by Computing Reviews Features a series of video interviews with UX practitioners and researchers Provides dozens of case studies and visuals from international research practitioners Provides a toolset that will help you justify your work to stakeholders, deal with office politics, and hone your client skills Presents tried and tested techniques for working to reach positive, useful, and fruitful outcomes

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. The definitive guide to next generation digital measurement; Indispensable insight for building high-value digital experiences! Helps you capture the knowledge you need to deliver deep personalization at scale Reflects today's latest insights into digital behavior and consumer psychology For every digital marketer, analyst, and executive who wants to improve performance To win at digital, you must capture the right data, quickly transform it into the right knowledge, and use them both to deliver deep personalization at scale. Conventional digital metrics simply aren't up to the task. Now, Gary Angel shows how to reinvent digital measurement so it delivers all you need to create richer, more compelling digital experiences. Angel shows how to transform "raw facts" about digital behavior into meaningful knowledge about your visitors... what they were trying to accomplish... how well you helped them... how you can personalize and optimize their digital experiences from now on... how you can use measurement to

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provide deep personalization at scale.

The hidden brain is the voice in our ear when we make the most important decisions in our lives—but we're never aware of it. The hidden brain decides whom we fall in love with and whom we hate. It tells us to vote for the white candidate and convict the dark-skinned defendant, to hire the thin woman but pay her less than the man doing the same job. It can direct us to safety when disaster strikes and move us to extraordinary acts of altruism. But it can also be manipulated to turn an ordinary person into a suicide terrorist or a group of bystanders into a mob. In a series of compulsively readable narratives, Shankar Vedantam journeys through the latest discoveries in neuroscience, psychology, and behavioral science to uncover the darkest corner of our minds and its decisive impact on the choices we make as individuals and as a society. Filled with fascinating characters, dramatic storytelling, and cutting-edge science, this is an engrossing exploration of the secrets our brains keep from us—and how they are revealed.

Now, more than ever, customer experience plays a pivotal role in the success and longevity of a company. Based on rigorous scientific tools and global data, this book offers a simple but thorough guide on how to master the challenges of the market, and how to deliver superior performance through effective customer experience management.

Whether it's software, a cell phone, or a refrigerator, your customer wants - no,

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expects - your product to be easy to use. This fully revised handbook provides clear, step-by-step guidelines to help you test your product for usability.

Completely updated with current industry best practices, it can give you that all-important marketplace advantage: products that perform the way users expect. You'll learn to recognize factors that limit usability, decide where testing should occur, set up a test plan to assess goals for your product's usability, and more.

"A Moveable Feast" by Ernest Hemingway. Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to forgotten?or yet undiscovered gems?of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to everyone in a high-quality digital format.

One key responsibility of product designers and UX practitioners is to conduct formal and informal research to clarify design decisions and business needs. But there's often mystery around product research, with the feeling that you need to be a research Zen master to gather anything useful. Fact is, anyone can conduct product research. With this quick reference guide, you'll learn a common language and set of tools to help you carry out research in an informed and

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productive manner. This book contains four sections, including a brief introduction to UX research, planning and preparation, facilitating research, and analysis and reporting. Each chapter includes a short exercise so you can quickly apply what you've learned. Learn what it takes to ask good research questions Know when to use quantitative and qualitative research methods Explore the logistics and details of coordinating a research session Use softer skills to make research seem natural to participants Learn tools and approaches to uncover meaning in your raw data Communicate your findings with a framework and structure

Measuring the User Experience was the first book that focused on how to quantify the user experience. Now in the second edition, the authors include new material on how recent technologies have made it easier and more effective to collect a broader range of data about the user experience. As more UX and web professionals need to justify their design decisions with solid, reliable data, Measuring the User Experience provides the quantitative analysis training that these professionals need. The second edition presents new metrics such as emotional engagement, personas, keystroke analysis, and net promoter score. It also examines how new technologies coming from neuro-marketing and online market research can refine user experience measurement, helping usability and

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user experience practitioners make business cases to stakeholders. The book also contains new research and updated examples, including tips on writing online survey questions, six new case studies, and examples using the most recent version of Excel. Learn which metrics to select for every case, including behavioral, physiological, emotional, aesthetic, gestural, verbal, and physical, as well as more specialized metrics such as eye-tracking and clickstream data Find a vendor-neutral examination of how to measure the user experience with web sites, digital products, and virtually any other type of product or system Discover in-depth global case studies showing how organizations have successfully used metrics and the information they revealed Companion site, [www.measuringux.com](http://www.measuringux.com), includes articles, tools, spreadsheets, presentations, and other resources to help you effectively measure the user experience Measuring the User Experience was the first book that focused on how to quantify the user experience. Now in the second edition, the authors include new material on how recent technologies have made it easier and more effective to collect a broader range of data about the user experience. As more UX and web professionals need to justify their design decisions with solid, reliable data, Measuring the User Experience provides the quantitative analysis training that these professionals need. The second edition presents new metrics such as

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emotional engagement, personas, keystroke analysis, and net promoter score. It also examines how new technologies coming from neuro-marketing and online market research can refine user experience measurement, helping usability and user experience practitioners make business cases to stakeholders. The book also contains new research and updated examples, including tips on writing online survey questions, six new case studies, and examples using the most recent version of Excel. Learn which metrics to select for every case, including behavioral, physiological, emotional, aesthetic, gestural, verbal, and physical, as well as more specialized metrics such as eye-tracking and clickstream data Find a vendor-neutral examination of how to measure the user experience with web sites, digital products, and virtually any other type of product or system Discover in-depth global case studies showing how organizations have successfully used metrics and the information they revealed Companion site, [www.measuringux.com](http://www.measuringux.com), includes articles, tools, spreadsheets, presentations, and other resources to help you effectively measure the user experience.

This Handbook, with 45 chapters written by the world's leading scholars in second language acquisition (SLA) and language testing, dives into the important interface between SLA and language testing: shared ground where researchers seek to measure second language performance to better understand how people

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learn their second languages. The Handbook also reviews how to best measure and evaluate the second language (L2) learners' personal characteristics, backgrounds, and learning contexts to better understand their L2 learning trajectories. Taking a transdisciplinary approach to research, the book builds upon recent theorizing and measurement principles from the fields of applied linguistics, cognitive science, psychology, psycholinguistics, psychometrics, educational measurement, and social psychology. The Handbook is divided into six key sections: (1) Assessment concepts for SLA researchers, (2) Building instruments for SLA research, (3) Measuring individual differences, (4) Measuring language development, (5) Testing specific populations, and (6) Measurement principles for SLA researchers.

A clear and concise practical guide to the principles and methods of studies of behaviour.

The discipline of user experience (UX) design has matured into a confident practice and this edition reflects, and in some areas accelerates, that evolution. Technically this is the second edition of The UX Book, but so much of it is new, it is more like a sequel. One of the major positive trends in UX is the continued emphasis on design—a kind of design that highlights the designer's creative skills and insights and embodies a synthesis of technology with usability, usefulness,

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aesthetics, and meaningfulness to the user. In this edition a new conceptual top-down design framework is introduced to help readers with this evolution. This entire edition is oriented toward an agile UX lifecycle process, explained in the funnel model of agile UX, as a better match to the now de facto standard agile approach to software engineering. To reflect these trends, even the subtitle of the book is changed to “Agile UX design for a quality user experience . Designed as a how-to-do-it handbook and field guide for UX professionals and a textbook for aspiring students, the book is accompanied by in-class exercises and team projects. The approach is practical rather than formal or theoretical. The primary goal is still to imbue an understanding of what a good user experience is and how to achieve it. To better serve this, processes, methods, and techniques are introduced early to establish process-related concepts as context for discussion in later chapters. Winner of a 2020 Textbook Excellence Award (College) (Texty) from the Textbook and Academic Authors Association A comprehensive textbook for UX/HCI/Interaction Design students readymade for the classroom, complete with instructors’ manual, dedicated web site, sample syllabus, examples, exercises, and lecture slides Features HCI theory, process, practice, and a host of real world stories and contributions from industry luminaries to prepare students for working in the field The only HCI textbook to cover agile



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methodology, design approaches, and a full, modern suite of classroom material (stemming from tried and tested classroom use by the authors)

Provides practical information to enable usability professionals and product developers to effectively measure the usability of any product by choosing the right metric, applying it and effectively using the information it reveals. Original.

Harold Kerzner's essential strategies on measuring project management performance With the growth of complex projects, stakeholder involvement, and advancements in visual-based technology, metrics and KPIs (key performance indicators) are key factors in evaluating project performance. Dashboard reporting systems provide accessible project performance data, and sharing this vital data in a concise and consistent manner is a key communication responsibility of all project managers. This third edition of Kerzner's groundbreaking work, *Project Management Metrics, KPIs, and Dashboards: A Guide to Measuring and Monitoring Project Performance*, helps functional managers gain a thorough grasp of what metrics and KPIs are and how to use them. Plus, this edition includes new sections on processing dashboard information, portfolio management PMO and metrics, and BI tool flexibility. • Offers comprehensive coverage of the different dashboard types, design issues, and applications Provides full-color dashboards from some of the most successful project management companies, including IBM, Microsoft, and others Aligns with PMI's PMBOK® Guide and stresses value-driven project management PPT decks are

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available by chapter and a test bank will be available for use in seminar presentations and courses Get ready to bolster your awareness of what good metrics management really entails today—and be armed with the knowledge to measure performance more effectively.

In April 1991 BusinessWeek ran a cover story entitled, "Can't Work This Thing," about the difficulties many people have with consumer products, such as cell phones and VCRs. More than 15 years later, the situation is much the same—but at a very different level of scale. The disconnect between people and technology has had society-wide consequences in the large-scale system accidents from major human error, such as those at Three Mile Island and in Chernobyl. To prevent both the individually annoying and nationally significant consequences, human capabilities and needs must be considered early and throughout system design and development. One challenge for such consideration has been providing the background and data needed for the seamless integration of humans into the design process from various perspectives: human factors engineering, manpower, personnel, training, safety and health, and, in the military, habitability and survivability. This collection of development activities has come to be called human-system integration (HSI). Human-System Integration in the System Development Process reviews in detail more than 20 categories of HSI methods to provide invaluable guidance and information for system designers and developers.

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#1 New York Times Bestseller Legendary venture capitalist John Doerr reveals how the goal-setting system of Objectives and Key Results (OKRs) has helped tech giants from Intel to Google achieve explosive growth—and how it can help any organization thrive. In the fall of 1999, John Doerr met with the founders of a start-up whom he'd just given \$12.5 million, the biggest investment of his career. Larry Page and Sergey Brin had amazing technology, entrepreneurial energy, and sky-high ambitions, but no real business plan. For Google to change the world (or even to survive), Page and Brin had to learn how to make tough choices on priorities while keeping their team on track. They'd have to know when to pull the plug on losing propositions, to fail fast. And they needed timely, relevant data to track their progress—to measure what mattered. Doerr taught them about a proven approach to operating excellence: Objectives and Key Results. He had first discovered OKRs in the 1970s as an engineer at Intel, where the legendary Andy Grove ("the greatest manager of his or any era") drove the best-run company Doerr had ever seen. Later, as a venture capitalist, Doerr shared Grove's brainchild with more than fifty companies. Wherever the process was faithfully practiced, it worked. In this goal-setting system, objectives define what we seek to achieve; key results are how those top-priority goals will be attained with specific, measurable actions within a set time frame. Everyone's goals, from entry level to CEO, are transparent to the entire organization. The benefits are profound. OKRs surface an organization's most important work. They focus effort and foster coordination. They

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keep employees on track. They link objectives across silos to unify and strengthen the entire company. Along the way, OKRs enhance workplace satisfaction and boost retention. In *Measure What Matters*, Doerr shares a broad range of first-person, behind-the-scenes case studies, with narrators including Bono and Bill Gates, to demonstrate the focus, agility, and explosive growth that OKRs have spurred at so many great organizations. This book will help a new generation of leaders capture the same magic. Unique and clever ideas are important when building a hot-selling Android app, but the real drivers for success are speed, efficiency, and power management. With this practical guide, you'll learn the major performance issues confronting Android app developers, and the tools you need to diagnose problems early. Customers are finally realizing that apps have a major role in the performance of their Android devices. Author Doug Sillars not only shows you how to use Android-specific testing tools from companies including Google, Qualcomm, and AT&T, but also helps you explore potential remedies. You'll discover ways to build apps that run well on all 19,000 Android device types in use. Understand how performance issues affect app sales and retention Build an Android device lab to maximize UI, functional, and performance testing Improve the way your app interacts with device hardware Optimize your UI for fast rendering, scrolling, and animations Track down memory leaks and CPU issues that affect performance Upgrade communications with the server, and learn how your app performs on slower networks Apply Real User Monitoring (RUM) to ensure that

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every device is delivering the optimal user experience

Written by the author of the best-selling HyperText & HyperMedia, this book is an excellent guide to the methods of usability engineering. The book provides the tools needed to avoid usability surprises and improve product quality. Step-by-step information on which method to use at various stages during the development lifecycle are included, along with detailed information on how to run a usability test and the unique issues relating to international usability. \* Emphasizes cost-effective methods that developers can implement immediately \* Instructs readers about which methods to use when, throughout the development lifecycle, which ultimately helps in cost-benefit analysis. \* Shows readers how to avoid the four most frequently listed reasons for delay in software projects. \* Includes detailed information on how to run a usability test. \* Covers unique issues of international usability. \* Features an extensive bibliography allowing readers to find additional information. \* Written by an internationally renowned expert in the field and the author of the best-selling HyperText & HyperMedia.

User engagement refers to the quality of the user experience that emphasizes the positive aspects of interacting with an online application and, in particular, the desire to use that application longer and repeatedly. User engagement is a key concept in the design of online applications (whether for desktop, tablet or mobile), motivated by the observation that successful applications are not just used, but are engaged with. Users invest time, attention, and emotion in their use of technology, and seek to satisfy

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pragmatic and hedonic needs. Measurement is critical for evaluating whether online applications are able to successfully engage users, and may inform the design of and use of applications. User engagement is a multifaceted, complex phenomenon; this gives rise to a number of potential measurement approaches. Common ways to evaluate user engagement include using self-report measures, e.g., questionnaires; observational methods, e.g. facial expression analysis, speech analysis; neuro-physiological signal processing methods, e.g., respiratory and cardiovascular accelerations and decelerations, muscle spasms; and web analytics, e.g., number of site visits, click depth. These methods represent various trade-offs in terms of the setting (laboratory versus "in the wild"), object of measurement (user behaviour, affect or cognition) and scale of data collected. For instance, small-scale user studies are deep and rich, but limited in terms of generalizability, whereas large-scale web analytic studies are powerful but negate users' motivation and context. The focus of this book is how user engagement is currently being measured and various considerations for its measurement. Our goal is to leave readers with an appreciation of the various ways in which to measure user engagement, and their associated strengths and weaknesses. We emphasize the multifaceted nature of user engagement and the unique contextual constraints that come to bear upon attempts to measure engagement in different settings, and across different user groups and web domains. At the same time, this book advocates for the development of "good" measures and good measurement

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practices that will advance the study of user engagement and improve our understanding of this construct, which has become so vital in our wired world. Table of Contents: Preface / Acknowledgments / Introduction and Scope / Approaches Based on Self-Report Methods / Approaches Based on Physiological Measurements / Approaches Based on Web Analytics / Beyond Desktop, Single Site, and Single Task / Enhancing the Rigor of User Engagement Methods and Measures / Conclusions and Future Research Directions / Bibliography / Authors' Biographies / Index

Usability testing and user experience research typically take place in a controlled lab with small groups. While this type of testing is essential to user experience design, more companies are also looking to test large sample sizes to be able compare data according to specific user populations and see how their experiences differ across user groups. But few usability professionals have experience in setting up these studies, analyzing the data, and presenting it in effective ways. Online usability testing offers the solution by allowing testers to elicit feedback simultaneously from 1,000s of users. Beyond the Usability Lab offers tried and tested methodologies for conducting online usability studies. It gives practitioners the guidance they need to collect a wealth of data through cost-effective, efficient, and reliable practices. The reader will develop a solid understanding of the capabilities of online usability testing, when it's appropriate to use and not use, and will learn about the various types of online usability testing techniques.

\*The first guide for conducting large-scale user experience research using the internet

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\*Presents how-to conduct online tests with 1000s of participants – from start to finish

\*Outlines essential tips for online studies to ensure cost-efficient and reliable results

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