# **Metrics**

David S. Zuckerman

Security Metrics Andrew Jaquith. 2007-03-26 The Definitive Guide to Quantifying, Classifying, and Measuring Enterprise IT Security Operations Security Metrics is the first comprehensive best-practice guide to defining, creating, and utilizing security metrics in the enterprise. Using sample charts, graphics, case studies, and war stories, Yankee Group Security Expert Andrew Jaquith demonstrates exactly how to establish effective metrics based on your organization's unique requirements. You'll discover how to quantify hard-to-measure security activities, compile and analyze all relevant data, identify strengths and weaknesses, set cost-effective priorities for improvement, and craft compelling messages for senior management. Security Metrics successfully bridges management's quantitative viewpoint with the nuts-and-bolts approach typically taken by security professionals. It brings together expert solutions drawn from Jaquith's extensive consulting work in the software, aerospace, and financial services industries, including new metrics presented nowhere else. You'll learn how to: • Replace nonstop crisis response with a systematic approach to security improvement • Understand the differences between "good" and "bad" metrics • Measure coverage and control, vulnerability management, password quality, patch latency, benchmark scoring, and business-adjusted risk • Quantify the effectiveness of security acquisition, implementation, and other program activities • Organize, aggregate, and analyze your data to bring out key insights • Use visualization to understand and communicate security issues more clearly • Capture valuable data from firewalls and antivirus logs, third-party auditor reports, and other resources • Implement balanced scorecards that present compact, holistic views of organizational security effectiveness

Key Marketing Metrics Paul Farris, Neil Bendle, Phillip Pfeifer, David Reibstein, 2017-09-21 Marketers know that they must use metrics. The key--which this book addresses superbly--is which metrics to use and how to use them. Erv Shames, Chairman, Western Connecticut Health Network; former President and CEO of Borden, Inc. and Stride Rite Corporation "50+ metrics crackles like new money...this is the best marketing book of the year." Updated version of Strategy + Business "2006 Best Books in Marketing award winner" WHAT TO MEASURE AND HOW TO MEASURE IT TO GET THE MOST OUT OF YOUR MARKETING As the old adage goes, "If you can't measure it, you can't manage it." Key Marketing Metrics is the definitive guide to today's most valuable marketing metrics to measure the results of your marketing. In this thoroughly updated and significantly expanded book, you will understand the pros, the cons and the nuances of more than 50 of the most important metrics and know exactly how to choose the right metrics for every challenge. Key Marketing Metrics gives you a portfolio, or dashboard, of the most valuable metrics for your business to maximise the return on your marketing investment and identify the best new opportunities for profit. Discover high-value metrics for every facet of marketing: promotional strategy, advertising, and distribution; customer perceptions; market share; competitors' power; margins and pricing; products and portfolios; customer profitability; sales forces and channels; and more. This edition includes the latest web, online, social, and email metrics, plus new insights into measuring marketing ROI and brand equity, as well as practical advice for managing complex issues such as advertising elasticity and "double jeopardy."

The Tyranny of Metrics Jerry Z. Muller,2019-04-30 How the obsession with quantifying human performance threatens business, medicine, education, government—and the quality of our lives Today, organizations of all kinds are ruled by the belief that the path to success is quantifying human performance, publicizing the results, and dividing up the rewards based on the numbers. But in our zeal to instill the evaluation process with scientific rigor, we've gone from measuring performance to fixating on measuring itself—and this tyranny of metrics now threatens the quality of our organizations and lives. In this brief, accessible, and powerful book, Jerry Muller uncovers the damage metrics are causing and shows how we can begin to fix the problem. Filled with examples from business, medicine, education, government, and other fields, the book explains why paying for measured performance doesn't work, why surgical scorecards may increase deaths, and much more. But Muller also shows that, when used as a complement to judgment based on personal experience, metrics can be beneficial, and he includes an invaluable checklist of when and how to use them. The result is an essential corrective to a harmful trend that increasingly affects us all.

Metrics Martin Klubeck, 2012-01-13 Metrics are a hot topic. Executive leadership, boards of directors, management, and customers are all asking for data-based decisions. As a result, many managers, professionals, and change agents are asked to develop metrics, but have no clear idea of how to produce meaningful ones. Wouldn't it be great to have a simple explanation of how to collect, analyze, report, and use measurements to improve your organization? Metrics: How to Improve Key Business Results provides that explanation and the tools you'll need to make your organization more effective. Not only does the book explain the "why" of metrics, but it walks you through a step-by-step process for creating a report card that provides a clear picture of organizational health and how well you satisfy customer needs. Metrics will help you to measure the right things, the right way—the first time. No wasted effort, no chasing data. The report card provides a simple tool for viewing the health of your organization, from the outside in. You will learn how to measure the key components of the report card and thereby improve real measures of business success, like repeat customers, customer loyalty, and word-of-mouth advertising. This book: Provides a step-by-step guide for building an organizational effectiveness report card Takes you from identifying key services and products and using metrics, to determining business strategy Provides examples of how to identify, collect, analyze, and report metrics that will be immediately useful for improving all aspects of the enterprise, including IT

Planning and Designing Effective Metrics Martin Klubeck, 2014-11-26 Metrics are a hot topic. Executive leadership, boards of directors, management, and customers are all asking for data-based decisions. As a result, many managers, professionals, and change agents are asked to develop metrics, but have no clear idea of how to produce meaningful ones. Wouldn't it be great to have a fast, simple explanation of how to plan for and then design measurements to improve your organization? Planning and Designing Effective Metrics—an abridged version of author and metrics expert Martin Klubeck's Metrics: How to Improve Key Business Results—provides that explanation and the tools you'll need to make your organization more effective. Not only does this brief book explain the why

of metrics, but it walks you through a step-by-step process to create a clear picture of organizational health and how well you satisfy customer needs. This book: Provides a guide for planning and designing useful metrics based on your unique organizational needs Offers the theory behind metrics to help you get exponentially better practical results Shows how to select and use the proper tools for creating, implementing, and using metrics Provides examples of how to identify, collect, analyze, and report metrics that will be immediately useful for improving all aspects of the enterprise Planning and Designing Effective Metrics will help you to measure the right things, the right way—the first time. No wasted effort, no chasing data. You will learn how to create valuable measures of organizational success, like repeat customers, customer loyalty, and word-of-mouth advertising. That will help you not only to improve organizational results—you'll also multiply your career opportunities.

Employee Metrics for Managers Nathan Carbone, 2013-10-05 A handbook with over 70 employee metrics for the entire employee life-cycle including attraction, develop & motivate, retention and productivity - all designed to improve profitability. Each metric has the definition, calculation, chart and analysis.

Mastering 'Metrics Joshua D. Angrist, Jörn-Steffen Pischke, 2014-12-21 An accessible and fun guide to the essential tools of econometric research Applied econometrics, known to aficionados as 'metrics, is the original data science. 'Metrics encompasses the statistical methods economists use to untangle cause and effect in human affairs. Through accessible discussion and with a dose of kung fu—themed humor, Mastering 'Metrics presents the essential tools of econometric research and demonstrates why econometrics is exciting and useful. The five most valuable econometric methods, or what the authors call the Furious Five--random assignment, regression, instrumental variables, regression discontinuity designs, and differences in differences--are illustrated through well-crafted real-world examples (vetted for awesomeness by Kung Fu Panda's Jade Palace). Does health insurance make you healthier? Randomized experiments provide answers. Are expensive private colleges and selective public high schools better than more pedestrian institutions? Regression analysis and a regression discontinuity design reveal the surprising truth. When private banks teeter, and depositors take their money and run, should central banks step in to save them? Differences-in-differences analysis of a Depression-era banking crisis offers a response. Could arresting O. J. Simpson have saved his ex-wife's life? Instrumental variables methods instruct law enforcement authorities in how best to respond to domestic abuse. Wielding econometric tools with skill and confidence, Mastering 'Metrics uses data and statistics to illuminate the path from cause to effect. Shows why econometrics is important Explains econometric research through humorous and accessible discussion Outlines empirical methods central to modern econometric practice Works through interesting and relevant real-world examples

Value-based Metrics for Improving Results Melvin Schnapper, Steven C. Rollins, 2006-08-15 Featuring a road map that can be applied in almost any organization, this book presents a unique value based methodology for developing and using metrics as a management tool to baseline, monitor, manage, and reward performance of business functions

at all levels.

**Gaming the Metrics** Mario Biagioli, Alexandra Lippman, 2020-01-28 How the increasing reliance on metrics to evaluate scholarly publications has produced new forms of academic fraud and misconduct. The traditional academic imperative to "publish or perish" is increasingly coupled with the newer necessity of "impact or perish"—the requirement that a publication have "impact," as measured by a variety of metrics, including citations, views, and downloads. Gaming the Metrics examines how the increasing reliance on metrics to evaluate scholarly publications has produced radically new forms of academic fraud and misconduct. The contributors show that the metrics-based "audit culture" has changed the ecology of research, fostering the gaming and manipulation of quantitative indicators, which lead to the invention of such novel forms of misconduct as citation rings and variously rigged peer reviews. The chapters, written by both scholars and those in the trenches of academic publication, provide a map of academic fraud and misconduct today. They consider such topics as the shortcomings of metrics, the gaming of impact factors, the emergence of so-called predatory journals, the "salami slicing" of scientific findings, the rigging of global university rankings, and the creation of new watchdogs and forensic practices.

Killer Analytics Mark Graham Brown, 2013-09-12 Learn the secrets to using analytics to grow your business Analytics continues to trend as one of the hottest topics in the business community today. With ever-growing amounts of business data and evolving performance management/business intelligence architectures, how well your business does analyzing its data will differentiate you from your competition. Killer Analytics explores how you can use the muscle of analytics to measure new business elements. Author Mark Brown introduces 20 new metrics that can drive competitive advantage for your business, including social networks, sustainability, culture, innovation, employee satisfaction, and other key business elements. Shows organizations how to use analytics to measure key elements of business performance not traditionally measured Introduces 20 new metrics that drive competitive advantage Reveals how to measure social networking, sustainability, innovation, culture, and more Aside from the science and process of analytics, businesses need to think outside the box in terms of what they are measuring and how new analytical tools can be used to measure business elements such as innovation or sustainability. Opening the doors to a powerful new way of measuring your business, Killer Analytics saves you a small fortune on consultants with dynamic, forward-thinking advice for making the most of every component of your business.

Marketing Metrics Neil Bendle, Paul W. Farris, Phillip Pfeifer, David Reibstein, 2020-08-23 Your Definitive, Up-to-Date Guide to Marketing Metrics—Choosing Them, Implementing Them, Applying Them This award-winning guide will help you accurately quantify the performance of all your marketing investments, increase marketing ROI, and grow profits. Four renowned experts help you apply today's best practices for assessing everything from brand equity to social media, email performance, and rich media interaction. This updated edition shows how to measure costly sponsorships, explores links between marketing and financial metrics for current and aspiring C-suite decision-makers; presents better ways to measure omnichannel marketing activities; and includes a new section on accountability and standardization in marketing measurement. As in their best-selling previous editions, the

authors present pros, cons, and practical guidance for every technique they cover. Measure promotions, advertising, distribution, customer perceptions, competitor power, margins, pricing, product portfolios, salesforces, and more Apply web, online, social, and mobile metrics more effectively Build models to optimize planning and decision-making Attribute purchase decisions when multiple channels interact Understand the links between search and distribution, and use new online distribution metrics Evaluate marketing's impact on a publicly traded firm's financial objectives Whatever your marketing role, Marketing Metrics will help you choose the right metrics for every task—and capture data that's valid, reliable, and actionable.

Metrics and Models in Software Quality Engineering Stephen H. Kan,2003 This is the single best book on software quality engineering and metrics that I've encountered. --Capers Jones, from the ForewordMetrics and Models in Software Quality Engineering, Second Edition, is the definitive book on this essential topic of software development. Comprehensive in scope with extensive industry examples, it shows how to measure software quality and use measurements to improve the software development process. Four major categories of quality metrics and models are addressed: quality management, software reliability and projection, complexity, and customer view. In addition, the book discusses the fundamentals of measurement theory, specific quality metrics and tools, and methods for applying metrics to the software development process.New chapters bring coverage of critical topics, including: In-process metrics for software testingMetrics for object-oriented software developmentAvailability metricsMethods for conducting in-process quality assessments and software project assessmentsDos and Don'ts of Software Process Improvement, by Patrick O'TooleUsing Function Point Metrics to Measure Software Process Improvement, by Capers Jones In addition to the excellent balance of theory, techniques, and examples, this book is highly instructive and practical, covering one of the most important topics in software development--quality engineering. 0201729156B08282002

Pharmaceutical Metrics David S. Zuckerman, 2006 'What gets measured gets fixed' and this is as true of the pharmaceutical industry as any other. The problem is that pharmaceutical businesses are complex. Drug research and development involves extended and expensive processes; defining appropriate metrics for these processes is not easy, yet ineffective or misguided metrics can be more damaging than none at all. David Zuckerman's Pharmaceutical Metrics is an extremely practical guide to selecting a system, selling it to top management, choosing and defining the right metrics for your system, communicating and displaying the results. And because metrics are about how to shape and develop your business, he explores how to deploy them organization-wide and make sure that they are driving business improvement. In order to reflect the needs of different types of pharmaceutical company the author uses four sample companies, throughout the book, to illustrate the principles for 'big pharma', 'micro pharma', a virtual development company and a CRO. This highly practical book provides a step-by-step guide to creating a state-of-the-art, strategy-driven metrics system for pharmaceutical R&D, supported by case studies of the techniques applied and tips for optimizing the system.

Social Media Metrics Secrets John Lovett, 2011-07-07 Invaluable advice on analyzing and measuring the effects of

social media Do you wish you could sit down with an expert to figure out whether or not your social media initiatives are working? With Social Media Metrics Secrets, you can! Expert John Lovett taps into his years of training and experience to reveal tips, tricks, and advice on how to analyze and measure the effects of social media and gauge the success of your initiatives. He uses mini case studies to demonstrate how to manage social operations with process and technology by applying key performance indicators, and assessing the business value of social media. Highlights how social media can impact all aspects of your business and transform the way you quantify successful interactions with customers Shares innovative techniques for managing the massive volume of social analytics data by putting data to work in ways that contribute to your organizational goals Details techniques for adopting a Social Analytics Framework for understanding evolving consumer behavior necessary to compete in a socially networked future Written in a conversational tone, Social Media Metrics Secrets goes behind the scenes to present you with unbeatable advice and unparalleled insight into social media metrics.

Metrics Vincanne Adams, 2016-03-05 This volume's contributors evaluate the accomplishments, limits, and consequences of using quantitative metrics in global health. Whether analyzing maternal mortality rates, the relationships between political goals and metrics data, or the links between health outcomes and a program's fiscal support, the contributors question the ability of metrics to solve global health problems. They capture a moment when global health scholars and practitioners must evaluate the potential effectiveness and pitfalls of different metrics—even as they remain elusive and problematic. Contributors. Vincanne Adams, Susan Erikson, Molly Hales, Pierre Minn, Adeola Oni-Orisan, Carolyn Smith-Morris, Marlee Tichenor, Lily Walkover, Claire L. Wendland

Success Metrics Martin Klubeck, 2017-02-11 Learn how to measure success at the individual and organizational levels. By measuring success in multiple dimensions using multivariate methods you will be able to determine what works and what doesn't. The key is to measure and promote progress in terms of organizational vision, mission, and overarching goals. Business leaders too often succumb to the working assumption that they only have to show shareholders and boards of trustees that they are turning a profit—the higher the profit, the more successful their stewardship of the company. Wrong! To truly thrive and endure, all organizations—corporate, government, small, large, nonprofit, or startup—need to define and pursue the underlying purpose for their existence. To measure success, leaders today are missing a key meta-analytic in their toolbox. In this book, metrics consultant Martin Klubeck provides it to them. Success Metrics steps you through the process of identifying and combining the right measures to gauge, narrate, and guide your organization's progress toward true success. All organizations have a common goal to be successful. All leaders want to make data-informed decisions and use measures to improve processes, communicate progress, and gain support. The problem is that proxy or partial measures don't measure overall success and can be misleading. They measure performance parameters, progress on a specific task, customer feedback, and other piecemeal indices—which taken separately fail to describe an organization's progress toward overall success. The author's integrated measures of success can be used to communicate organizational progress to stakeholders, shareholders, boards of trustees, corporate leaders, the workforce, and the customer base and

thereby galvanize broad commitment to organizational success. Klubeck shows how his principles and methods of measuring overall success can be applied at all levels: individual, team, group, department, division, and organization. What You Will Learn: Understand why you should measure success instead of performance Understand what to measure and what not to measure Integrate the measures of success to tell a complete story Share measures of success with different audiences Who This Book Is For Organizational leaders at all levels from the executive suite to middle management, analysts and consultants who are tasked with designing metrics programs for organizations, individuals interested in adapting the author's framework to measure overall personal success in multiple dimensions

All the News That's Fit to Click Caitlin Petre, 2021-09-21 Digital journalism: putting the case in context -- Part I. Experiencing metrics -- The traffic game -- Enchanted metrics -- Part II. Making sense of metrics -- The interpretive ambiguity of metrics -- Clean and dirty data -- Part III. The struggle to monopolize interpretive labor -- The autonomy paradox -- Conclusion -- Appendix A: methods -- Appendix B: A guide to the Chartbeat Publishing Dashboard.

Lean Analytics Alistair Croll, Benjamin Yoskovitz, 2024-02-23 Whether you're a startup founder trying to disrupt an industry or an entrepreneur trying to provoke change from within, your biggest challenge is creating a product people actually want. Lean Analytics steers you in the right direction. This book shows you how to validate your initial idea, find the right customers, decide what to build, how to monetize your business, and how to spread the word. Packed with more than thirty case studies and insights from over a hundred business experts, Lean Analytics provides you with hard-won, real-world information no entrepreneur can afford to go without. Understand Lean Startup, analytics fundamentals, and the data-driven mindset Look at six sample business models and how they map to new ventures of all sizes Find the One Metric That Matters to you Learn how to draw a line in the sand, so you'll know it's time to move forward Apply Lean Analytics principles to large enterprises and established products

Team Metrics Mike Woodcock, 2017-07-05 Mike Woodcock and Dave Francis are two of the most influential writers and designers of materials for team development of the last 30 years. This collection of Team Metrics brings together some of their very best material for measuring aspects of team performance. The collection includes a variety of audits, questionnaires and surveys, which can be used in a training environment or as real-time team interventions. The 27 items in the collection cover team and team leader skills, team development, team motivation, team roles, team culture, climate and communication, making this a must-have collection of team development materials for trainers, facilitators and team leaders. A CD is supplied with every manual which provides a Powerpoint slide presentation for each of the 27 metrics.

Agile Metrics in Action Christopher Davis, 2015-07-13 Summary Agile Metrics in Action is a rich resource for agile teams that aim to use metrics to objectively measure performance. You'll learn how to gather data that really counts, along with how to effectively analyze and act upon the results. Purchase of the print book includes

a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book The iterative nature of agile development is perfect for experience-based, continuous improvement. Tracking systems, test and build tools, source control, continuous integration, and other built-in parts of a project lifecycle throw off a wealth of data you can use to improve your products, processes, and teams. The question is, how to do it? Agile Metrics in Action teaches you how. This practical book is a rich resource for an agile team that aims to use metrics to objectively measure performance. You'll learn how to gather the data that really count, along with how to effectively analyze and act upon the results. Along the way, you'll discover techniques all team members can use for better individual accountability and team performance. Practices in this book will work with any development process or tool stack. For code-based examples, this book uses Groovy, Grails, and MongoDB. What's Inside Use the data you generate every day from CI and Scrum Improve communication, productivity, transparency, and morale Objectively measure performance Make metrics a natural byproduct of your development process About the Author Christopher Davis has been a software engineer and team leader for over 15 years. He has led numerous teams to successful delivery using agile methodologies. Table of Contents PART 1 MEASURING AGILE TEAMS Measuring agile performance Observing a live project PART 2 COLLECTING AND ANALYZING YOUR TEAM'S DATA Trends and data from project-tracking systems Trends and data from source control Trends and data from CI and deployment servers Data from your production systems PART 3 APPLYING METRICS TO YOUR TEAMS, PROCESSES, AND SOFTWARE Working with the data you're collecting: the sum of the parts Measuring the technical quality of your software Publishing metrics Measuring your team against the agile principles

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