

## Information Dashboard Design

A dream come true for those looking to improve their data fluency Analytical data is a powerful tool for growing companies, but what good is it if it hides in the shadows? Bring your data to the forefront with effective visualization and communication approaches, and let *Data Fluency: Empowering Your Organization with Effective Communication* show you the best tools and strategies for getting the job done right. Learn the best practices of data presentation and the ways that reporting and dashboards can help organizations effectively gauge performance, identify areas for improvement, and communicate results. Topics covered in the book include data reporting and communication, audience and user needs, data presentation tools, layout and styling, and common design failures. Those responsible for analytics, reporting, or BI implementation will find a refreshing take on data and visualization in this resource, as will report, data visualization, and dashboard designers. Conquer the challenge of making valuable data approachable and easy to understand Develop unique skills required to shape data to the needs of different audiences Full color book links to bonus content at [juiceanalytics.com](http://juiceanalytics.com) Written by well-known and highly esteemed authors in the data presentation community *Data Fluency: Empowering Your Organization with Effective Communication* focuses on user experience, making reports approachable, and presenting data in a compelling, inspiring way. The book helps to dissolve the disconnect between your data and those who might use it and can help make an impact on the people who are most affected by data. Use *Data Fluency* today to develop the skills necessary to turn data into effective displays for decision-making.

The *Rational Guide to Microsoft Office Business Scorecard Manager 2005* clearly and comprehensively describes how to apply the power of BSM to your performance management strategy. This book covers all the basics of performance management theory, BSM installation, deployment, and management. Key concepts are discussed in depth, including BSM Builder, Elements, KPIs, Scorecards, Report Views, and more. Advanced topics include collaboration with Windows SharePoint Services, security, scoring, and customization using MDX (Multi-Dimensional eXpressions). The authors have included a book-length case study that illustrates how these concepts work in practice. Technical Accuracy is assured by Ian Tien, Program Manager, Office Business Applications, Microsoft Corporation.

This book takes a hands-on approach to developing dashboards, from instructing users on advanced Excel techniques to addressing dashboard pitfalls common in the real world. *Dashboards for Excel* is your key to creating informative, actionable, and interactive dashboards and decision support systems. Throughout the book, the reader is challenged to think about Excel and data analytics differently—that is, to think outside the cell. This book shows you how to create dashboards in Excel quickly and effectively. In this book, you learn how to: Apply data visualization principles for more effective dashboards Employ dynamic charts and tables to create dashboards that are constantly up-to-date and providing fresh information Use understated yet powerful formulas for Excel development Apply advanced Excel techniques mixing formulas and Visual Basic for Applications (VBA) to create interactive dashboards Create dynamic systems for decision support in your organization Avoid common problems in Excel development and dashboard creation Get started with the Excel data model, PowerPivot, and Power Query

Concoct dynamic business intelligence dashboards for financial analysis with QlikView About This Book Get accustomed to QlikView features for effective data analysis and visualization in Finance Employ the Memory data store, which refreshes data in real time, providing a faster response to business financial information A step-by step guide to using Qlikview features such as key performance indicators, interactive charts, and tables for financial analysis Who This Book Is For If you are a finance professional with basic knowledge of QlikView functions and wish to increase your knowledge of QlikView to apply it in the field of finance, then this book is for you. A good knowledge of financial aspects is a must-have. What You Will Learn Design Key Performance Indicators and extend your revenue ratio reporting Set up actions within a Text Object and create variables to make a chart toggle between visible and not visible Merge data from multiple sources to get more asset management options Examine good and bad practices in dashboard design and create a Group button to make more data available in less space Analyse the sales dashboard by adding tending lines and forecasting Create input boxes and use the input in formulas to perform “What If” analysis Examine the Key Performance Indicator (KPI) and Inventory Turnover, and investigate the usefulness of Pivot Create a QlikView analysis document and add data to it to gain deep insights In Detail This book is an effective step-by-step tutoring guide for financial analysis using Qlikview. It begins by teaching you the crucial concepts of Qlikview Finance to help you develop an effective understanding of financial data analysis and finance. The book then goes on to cover real-world, practical examples on the use of Qlikview for financial planning and analysis, expense management, risk management, and more. Moving on, topics such as Asset Management QlikView Dashboard and Retail Sales Analysis are covered in a strategic way. We then shift the focus to deal with the concepts of Inventory, Supply Chain, and Plant Coverage Dashboards. The book then reaches its conclusion by dealing with ways to share your QlikView insights. By the end of this book, you will have a good understanding of how to use Qlikview for numerous applications in finance. Style and approach This book is designed to explore what can be done in QlikView to facilitate Financial Analysis. It follows a step-by-step approach and each chapter has easy-to-follow, hands-on examples of important concepts.

This book constitutes the thoroughly refereed short papers, workshops and Doctoral Consortium papers of the 20th East European Conference on Advances in Databases and Information Systems, ADBIS 2016, held in Prague, Czech Republic, in August 2016. The 11 short papers and one historical paper were carefully selected and reviewed from 85 submissions. The rest of papers was selected from reviewing processes of 2 workshops and Doctoral Consortium. The papers are organized in topical sections on ADBIS Short Papers, Third International Workshop on Big Data Applications and Principles (BigDap 2016), Second International Workshop on Data Centered Smart Applications (DCSA 2016) and ADBIS Doctoral Consortium.



encourage big-picture thinking about gamified systems and help you experience and understand the challenges and nuances involved in designing them. A companion website ([www.gamifiedsystems.com](http://www.gamifiedsystems.com)) with additional materials to supplement learning and practice.

This book constitutes the proceedings of the 7th Euro Symposium on Systems Analysis and Design, SIGSAND/PLAIS 2014, held in Gdańsk, Poland, in September 2014. The objective of this symposium is to promote and develop high-quality research on all issues related to systems analysis and design (SAND). It provides a forum for SAND researchers and practitioners in Europe and beyond to interact, collaborate, and develop their field. The 7 papers were carefully reviewed and selected with an acceptance rate of 40% cover topics in information systems evaluation and education, and they reflect current trends in systems analysis and design.

Would you like to greatly improve your data analysis capabilities by learning the most critical non-technical skills? Do you want to be more astute and well-rounded when applying your skills as a data analyst and achieve better results? If you answered “yes” to any of these questions, keep reading . . . . There is an immense focus being placed on data analysis by businesses these days. It is indispensable and helps boil down decision-making to a science. This in turn lets organizations streamline their processes, increase their efficiency, and reduce their operating costs. For this reason, data analysts are in high demand. While technical skills are needed for the job, a salient focus is placed on what soft skills do the incumbent data analysts possess. A lot of data analysts do not adequately acquire these soft skills and therefore fail to realize their full potential. The most impactful work that a highly successful data analyst does comprises non-technical skills. Some crucial skills among these include being able to construct the problem, understand the business context, ask the right questions, find creative solutions, creating visualizations, and presenting the findings. This indispensable book will guide you through these absolutely necessary soft skills that you need in order to excel at your work as a valuable data analyst. Here's a preview of this fantastic book, and what else you'll learn: ? The critical contribution of non-technical skills in data analysis ? Using creativity to enable solving more complex problems quickly ? Understanding the business to address the specific needs of enterprises ? Thinking strategically to enhance the effectiveness and efficiency of your work ? Knowing how the human mind works to discover the abilities and limitations of various analytical models ? Using alternative techniques compared to statistical analysis such as qualitative data analysis, analytics, heuristics, etc., to gain a deeper perspective ? Acquiring negotiating skills to better deal with external and internal stakeholders ? Learning to better communicate your data analysis insights ? Being a better writer to be able to better express yourself . . . . And much more! As a key bonus, included in this book are chapters that extensively elaborate on designing your findings by means of visualizations and public speaking in order to convincingly present your finding to a group of influential people and executives. The author understands your peculiar concerns and has therefore written this book in a clear and concise manner. The work is also thorough, relevant, and up-to-date. You are not required to be an experienced analyst to read this book. However, you do need to have a zeal for the subject and the passion for improving the outcome of your work. So, if you want to dramatically improve as a data analyst and aspire to reach the zenith of your field, click the “Add to Cart” button, and let's get started!

Together, Big Data, high-performance computing, and complex environments create unprecedented opportunities for organizations to generate game-changing insights that are based on hard data. Business Analytics: An Introduction explains how to use business analytics to sort through an ever-increasing amount of data and improve the decision-making capabilities of an organization. Covering the key areas of business analytics, the book explores the concepts, techniques, applications, and emerging trends that professionals across a wide range of industries need to be aware of. Better detection of fraud through visual analytics or better prediction of the likelihood of someone getting an infection while in the hospital are just a few examples of where analytics can play a positive role. As the field of business analytics continues to emerge rapidly, there is a need for a reliable textbook and reference on the subject. Filling this need, this book is suitable for graduate-level students and undergraduate seniors. It maintains a focus on only the key areas so the material can be covered adequately in a one-semester or one-quarter course. Each chapter includes software-generic exercises, labs, and associated answers to the exercises/labs. Author Jay Liebowitz recently had an article published in The World Financial Review. [www.worldfinancialreview.com/?p=1904](http://www.worldfinancialreview.com/?p=1904)

### Information Dashboard Design Displaying Data for At-a-glance Monitoring

Dashboards have become popular in recent years as uniquely powerful tools for communicating important information at a glance. Although dashboards are potentially powerful, this potential is rarely realized. The greatest display technology in the world won't solve this if you fail to use effective visual design. And if a dashboard fails to tell you precisely what you need to know in an instant, you'll never use it, even if it's filled with cute gauges, meters, and traffic lights. Don't let your investment in dashboard technology go to waste. This book will teach you the visual design skills you need to create dashboards that communicate clearly, rapidly, and compellingly. "Information Dashboard Design will explain how to: Avoid the thirteen mistakes common to dashboard design Provide viewers with the information they need quickly and clearly Apply what we now know about visual perception to the visual presentation of information Minimize distractions, cliches, and unnecessary embellishments that create confusion Organize business information to support meaning and usability Create an aesthetically pleasing viewing experience Maintain consistency of design to provide accurate interpretation Optimize the power of dashboard technology by pairing it with visual effectiveness Stephen Few has over 20 years of experience as an IT innovator, consultant, and educator. As Principal of the consultancy Perceptual Edge, Stephen focuses on data visualization for analyzing and communicating quantitative business information. He provides consulting and training services, speaks frequently at conferences, and teaches in the MBA program at the University of California in Berkeley. He is also the author of "Show Me the Numbers: Designing Tables and Graphs to Enlighten. Visit his website at [www.perceptualedge.com](http://www.perceptualedge.com).

For almost a decade the International Federation for Information Processing Working Group 8.5 (Information Systems in Public Administration), or IFIP WG 8.5, has organized the EGOV series of conferences, which has solidly established itself as one of three core conferences in the research domain of e-Government, e-Governance, and e-Participation. Until last year, EGOV was hosted within the DEXA cluster of conferences. For the first time in 2010, the IFIP WG 8.5 organized the conference on its own, which was also reflected in the slight name change to IFIP EGOV 2010.

Like its predecessors, the IFIP EGOV 2010 conference attracted scholars from around the world as a venue of high reputation. In 2010, the conference brought together scholars and practitioners from four continents and 40 countries. Like in 2009, IFIP EGOV was co-located with ePart, the International Conference on eParticipation. ePart aims at presenting advances in both social and technological scientific domains, seeking to demonstrate new concepts, methods, and styles of eParticipation. ePart is closely

aligned with the IFIP EGOV conference. The chairs of both conferences maintain close links and are committed to co-locating the two events in the years to come, which intentionally allows for exchange and cross-fertilization between the two communities. This book includes a selection of papers from the 2018 World Conference on Information Systems and Technologies (WorldCIST'18), held in Naples, Italy on March 27-29, 2018. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and the challenges of modern information systems and technologies research together with their technological development and applications. The main topics covered are: A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human-Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; N) Technologies for Biomedical Applications.

As citizens, we must all take responsibility for our own health to some extent, and recent developments in medical informatics have provided some valuable new ways to help us do that. This book presents the proceedings of the 2020 Special Topic Conference of the European Federation for Medical Informatics (EFMI STC 2020), held for the first time as a virtual conference on 26 & 27 November 2020, due to restrictions associated with the COVID-19 pandemic. Entitled Integrated citizen centered digital health and social care – Citizens as data producers and service co-creators, this conference focused on the citizen-centered aspects of health informatics. This topic provided the opportunity for contributors to present innovative solutions to allow citizens to take greater responsibility for their health with the help of information and communication technology, and the 52 presented papers published here cover a wide range of areas under the broad, invited subject headings of: tools and technologies to support citizen-centered digital services; capacity building to enhance the development and use of digital services; confidentiality, data integrity and data protection to guarantee trustworthy services; citizen safety in digital services; effectiveness and impact of citizen-digital and integrated health and social services; evaluation approaches and methods for digital services; usability, usefulness and user acceptance of digital services; and guidelines for the successful implementation of digital services for citizens. Offering a current overview of research and applications, the book will be of interest to all those health professionals working to increase citizen use of digital healthcare.

This book reports on cutting-edge research into innovative system interfaces, emphasizing both lifecycle development and human-technology interaction, especially in virtual, augmented and mixed-reality systems. It describes advanced methodologies and tools for evaluating and improving interface usability and discusses new models, as well as case studies and good practices. The book addresses the human, hardware, and software factors in the process of developing interfaces for optimizing total system performance, particularly innovative computing technologies for teams dealing with dynamic environments, while minimizing total ownership costs. It also highlights the forces currently shaping the nature of computing and systems, including the need for decreasing hardware costs; the importance of portability, which translates to the modern tendency toward hardware miniaturization and technologies for reducing power requirements; the necessity of a better assimilation of computation in the environment; and social concerns regarding access to computers and systems for people with special needs. The book, which is based on the AHFE 2017 International Conference on Human Factors and System Interactions, held on July 17–21, 2017, in Los Angeles, California, USA, offers a timely survey and practice-oriented guide for systems interface users and developers alike.

Take your QlikView skills to the next level and master the art of creating visual data analysis for real business needs About This Book Explore how to create your own QlikView data laboratory and how to develop QlikView applications using agile project methods Implement advanced data visualization and analysis for common business requirements from the sales, finance, marketing, inventory, operations, and human resources departments Learn from real-life experience shared in this book that will give you the upper hand in your next QlikView project Who This Book Is For This book is intended for developers who want to go beyond their technical knowledge of QlikView and understand how to create analysis and data visualizations that solve real business needs. You should have a basic understanding of advanced QlikView functions. What You Will Learn Apply advanced QlikView techniques such as set analysis and nested aggregation in order to deliver common business requirements Understand real business requirements for sales, finance, marketing, and human resources departments Discover when to apply more advanced data visualization such as frequency polygons, bullet graphs, and XmR charts Go beyond native QlikView and include geographical analysis, planning, and sentiment analysis in your QlikView application Troubleshoot common errors we discover at the moment we visualize data in QlikView Develop a plan to master Qlik Sense data visualization In Detail Just because you know how to swing a hammer doesn't mean you know how to build a house. Now that you've learned how to use QlikView, it's time to learn how to develop meaningful QlikView applications that deliver what your business users need. You will explore the requirements and the data from several business departments in order to deliver the most amazing analysis and data visualizations. In doing so, you will practice using advanced QlikView functions, chart object property options, and extensions to solve real-world challenges. Style and approach This hands-on guide follows the story of a company implementing QlikView as its enterprise data discovery solution. Each chapter starts with an understanding of the business requirements and the data model, and then helps you create insightful analysis and data visualizations. Each chapter expands on what was done in the previous chapter as we follow this continuously improving iterative process.

Presents an illustrated A-Z encyclopedia containing approximately 600 entries on computer and technology related topics.

The new edition of Harold Kerzner's bestselling book on measuring project management performance With today's complex projects, increased stakeholder involvement, and advances in computer technology, metrics and key performance indicators (KPIs) have become increasingly integral to informed decision-making and effective project management. Project Management Metrics, KPIs, and Dashboards, Second Edition helps functional managers gain a thorough grasp of what metrics and KPIs are and how to use them, as well as an understanding of different dashboard types, design issues, and applications. Closely aligned with PMI's PMBOK® Guide, this new edition features: New content on topics ranging from customer relations management and project oversight to agile and SCRUM metrics, as well as metrics, pitfalls, and myths An emphasis on value, including an in-depth discussion of value-driven metrics and value-driven KPIs Full-color screen shots showing dashboards from some of the most successful project management companies PowerPoint slides and a test bank for use in seminar presentations and courses This book allows functional managers to bolster their awareness of what good metrics management really entails today—and be armed with the knowledge to measure performance more effectively. (PMI and PMBOK are registered marks of the Project Management Institute, Inc.)

A dashboard is a collection of data visualization tools that provide the means to quickly get an overview of how an organization or a section of an organization is performing. Industries such as sales and manufacturing use dashboards extensively, but dashboards are quickly being adapted across all types of profit and non-profit organizations. THE DESIGN OF INFORMATION DASHBOARDS USING SAS is a nuts and bolts guide to building information dashboards using SAS software. The primary audience for this book is SAS programmers charged with developing dashboards for their organization. This audience would include data managers, report writers, and business analysts. A secondary audience includes business managers and non-programmers who are just hoping to learn a little more about the potential of the technology. The first four chapters provide background on the science of dashboards and related concepts. The remaining chapters cover

coding and design of dashboard elements using SAS software. By providing clear, well-structured examples, the volume shows the reader how to quickly and easily construct basic dashboards that are suitable to their unique needs and environment. SAS users familiar with the basics of SAS and the fundamentals of SAS/GRAPH software will be able to make small changes to the sample code contained in the book to design simple dashboards. Advanced users with more extensive knowledge of SAS/GRAPH and the annotate facility will be able to more fully customize the sample code to fit a variety of needs.

**CHAPTER DESCRIPTIONS**

**Chapter I. AN INTRODUCTION TO DASHBOARDS**  
The first chapter defines precisely what dashboards are and their common characteristics. Following a brief history of information dashboards, the chapter discusses their value, as well as some negatives, and describes current use and trends. Finally, the value that SAS contributes to producing the medium is introduced.

**Chapter II. SEVEN STEPS TO CREATING A DASHBOARD**  
The development of a dashboard often requires a substantial investment of time and money, so designers should do it thoughtfully. The goal of this chapter is to guide the reader through the dashboard development process. The chapter provides an overview of the major steps involved, including preparation, design, construction, and maintenance of dashboards.

**Chapter III. ESSENTIAL ELEMENTS OF A DASHBOARD**  
When you create your dashboard, several essential elements should be present on the interface to make the dashboard maximally effective. The third chapter covers these essential components of a dashboard.

**Chapter IV. BEST PRACTICES IN DASHBOARD VISUAL DESIGN**  
This chapter covers the foundations of good dashboard design and addresses the contributions of Edward Tufte and Stephen Few to the area. The chapter delves into the science of visual perception and how to apply them to good dashboard design.

**Chapter V. CREATING DASHBOARD KEY PERFORMANCE INDICATORS USING SAS**  
The fifth chapter presents a library of effective dashboard display media and discusses how to produce them using SAS coding. Programmers will be able to pick and choose those chart types that are most appropriate for their particular dashboard. Strengths and weaknesses of the various chart types are discussed. This chapter will also introduce new SAS procedures such as PROC GKPI.

**Chapter VI. ASSEMBLING AND DISTRIBUTING SAS DASHBOARDS**  
This chapter describes how to bring all the visual components together to produce a single dashboard display. PROC GREPLAY, ODSLAYOUT, and ODS TAGSETS are described as the methods of choice. Methods of distributing this output are described.

**Chapter VII. DESIGNING DASHBOARDS USING SAS BI DASHBOARDS**  
The final chapter briefly describes the design of dashboards using SAS BI Dashboards business intelligence software.

For a limited time use the following code for 10% off your purchase on this site: F46FRNCS This title is also available for purchase on Amazon.com.

Over 90 simple and incredibly effective recipes for transforming your business data into exciting dashboards with SAP BusinessObjects Dashboards 4.0 Xcelsius with this book and eBook.

Focusing on designing the right dashboards for use in an organization, this timely, full color book reveals how to successfully deploy dashboards by building the optimal software architecture and dashboard design. In addition, it describes the value of this popular technology to a business and how it can have a significant impact on performance improvement. A unique collection of more than 120 dashboard images are organized by category. One of the chapters provides a step-by-step description of the key performance indicator (KPIs) design process. One of the appendices contains more than 1,000 examples of KPIs to help design the content of dashboards. The book also describes all the steps in a dashboard implementation and offers related advice. Nils Rasmussen (West Hollywood, CA) is cofounder and Principal of Solver, Inc. Claire Y. Chen (Long Beach, CA) is a Senior Business Intelligence Architect at Solver, Inc. Manish Bansal (Irvine, CA) is Vice President of Sales at Solver, Inc.

Authored by an accredited expert in the field, this timely new resource introduces technologies that can be used for advanced smart buildings, including renewable power, communications, indoor positioning, security management, and control systems. This book speaks to the innovation of advanced technology, particularly information technology within the building industry today and explores the potential benefits and issues with advanced technology and its applications and presents practical real-world case studies. This book demonstrates that the penetration of information technology in the building industry is a long term, major development that will affect homes, offices, and other buildings. Smart technology will impact the automation and communications in existing and new building systems.

Today's most successful companies are Intelligent Companies that use the best available data to inform their decision making. This is called Evidence-Based Management and is one of the fastest growing business trends of our times. Intelligent Companies bring together tools such as Business Intelligence, Analytics, Key Performance Indicators, Balanced Scorecards, Management Reporting and Strategic Decision Making to generate real competitive advantages. As information and data volumes grow at explosive rates, the challenges of managing this information is turning into a losing battle for most companies and they end up drowning in data while thirsting for insights. This is made worse by the severe skills shortage in analytics, data presentation and communication. This latest book by best-selling management expert Bernard Marr will equip you with a set of powerful skills that are vital for successful managers now and in the future. Increase your market value by gaining essential skills that are in high demand but in short supply. Loaded with practical step-by-step guidance, simple tools and real life examples of how leading organizations such as Google, CocaCola, Capital One, Saatchi & Saatchi, Tesco, Yahoo, as well as Government Departments and Agencies have put the principles into practice. The five steps to more intelligent decision making are: Step 1: More intelligent strategies – by identifying strategic priorities and agreeing your real information needs Step 2: More intelligent data – by creating relevant and meaningful performance indicators and qualitative management information linked back to your strategic information needs Step 3: More intelligent insights – by using good evidence to test and prove ideas and by analysing the data to gain robust and reliable insights Step 4: More intelligent communication – by creating informative and engaging management information packs and dashboards that provide the essential information, packaged in an easy-to-read way Step 5: More intelligent decision making – by fostering an evidence-based culture of turning information into actionable knowledge and real decisions "Bernard Marr did it again! This outstanding and practical book will help your company become more intelligent and more successful. Marr takes the fields of business-intelligence, analytics and scorecarding to bring them together into a powerful and easy-to-follow 5-step framework. The Intelligent Company is THE must-read book of our times." Bruno Aziza, Co-author of best-selling book Drive Business Performance and Worldwide Strategy Lead, Microsoft Business Intelligence "Book after book Bernard Marr is redefining the fundamentals of good business management. The Intelligent Company is a must read in these changing times and a reference you will want on your desk every day!" Gabriel Bellenger, Accenture Strategy

If you are a software developer working with data visualizations and want to build complex data visualizations, this book is for you. Basic knowledge of D3 framework is expected. With real-world examples, you will learn how to structure your

applications to create enterprise-level charts and interactive dashboards.

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This book consists of a series of essays which addresses the essentials of the development processes in user-experience design (UX design) planning, research, analysis, evaluation, training and implementation, and deals with the essential components (metaphors, mental models, navigation, and appearance) of user-interfaces and user-experiences during the period of 2002-2007. These essays grew from the authors own column entitled 'Fast Forward' which appeared in Interaction Magazine – the flagship publication of the ACM Special Interest Group on Human-Computing Interaction (SIGCHI). Written in such a way as to ensure longevity, these essays have not been edited or updated, however a short Postscripts has been added to provide some comments on each topic from a current perspective. HCI and User-Experience Design provides a fascinating historical review of the professional and research world of UX and HCI during a period of significant growth and development and would be of interest to students, researchers, and designers who are interested in recent developments within the field.

Enterprise Dashboards: Design and Best Practices for IT is a one-stop resource of methodology and best practices for this dynamic and relevant information platform, packed with charts, reports, visual indicators, and alert mechanisms, all consolidated in a rich computer interface. This powerful book is both a guide and a handbook. It helps business leaders understand dashboarding while considering dashboards for their information needs and outlines a tested and proven, step-by-step implementation framework. Enterprise Dashboards covers strategies, vendor selections, execution steps, project milestones, dashboard types, case studies contributed by DaimlerChrysler, Emergency Medical Associates, and ING Direct, and more. Enterprise Dashboards: Design and Best Practices for IT is the perfect tool to help COOs, CIOs, CFOs, CTOs, IT managers, business intelligence managers, information analysts, and software consultants be successful at dashboard implementation.

This text offers advice on creating user-friendly interface designs - whether they're delivered on the Web, a CD, or a 'smart' device like a cell phone. It presents solutions to common UI design problems as a collection of patterns - each containing concrete examples, recommendations, and warnings.

With the information in Microsoft Office PerformancePoint Server 2007, you can learn the best practices for managing business performance using Office PerformancePoint 2007 and related Microsoft tools. The specific end-user scenarios begin by describing the business requirements and objectives and end with detailed technical guidance for implementing performance management solutions. Leverage PerformancePoint with other key technologies, including SharePoint Server, SQL Server Business Intelligence tools and Office Excel and Excel Services. Use PerformancePoint for common performance management scenarios, including scorecarding, dashboarding, reporting, analysis, planning, budgeting and forecasting.

Created in Excel, balanced scorecards enable you to monitor operations and tactics, while operational dashboards is a set of indicators regarding the state of a business metric or process—both features are in high demand for many large organizations. This book serves as the first guide to focus on combining the benefits of balanced scorecards, operational dashboards, performance managements, and data visualization and then implement them in Microsoft Excel.

"In The Dashboard Book, the authors will lay out a variety of examples of successful dashboards so that the reader can find a scenario that closely matches what he or she is tasked with visualizing"--

This two-volume set LNCS 6771 and 6772 constitutes the refereed proceedings of the Symposium on Human Interface 2011, held in Orlando, FL, USA in July 2011 in the framework of the 14th International Conference on Human-Computer Interaction, HCI 2011 with 10 other thematically similar conferences. The 137 revised papers presented in the two volumes were carefully reviewed and selected from numerous submissions. The papers accepted for presentation thoroughly cover the thematic area of human interface and the management of information. The 75 papers of this first volume address the following major topics: design and development methods and tools; information and user interfaces design; visualisation techniques and applications; security and privacy; touch and gesture interfaces; adaption and personalisation; and measuring and recognising human behavior.

Dashboards have become a popular means to present critical information for rapid monitoring, but few do this effectively. When designed well, dashboards engage the power of visual perception to communicate a dense collection of information efficiently, with exceptional clarity. This can only be achieved, however, by applying visual design skills that address the unique challenges of dashboards. These skills are not intuitive; they must be learned. The author teaches a comprehensive set of effective design practices through examples that reveal what works, what doesn't, and why.

The nuclear industry, and the business world in general, is facing a rapidly increasing amount of data to be dealt with on a daily basis. In the last two decades, the steady improvement of data storage devices and means to create and collect data along the way influenced the manner in which we deal with information. Most data is still stored without filtering and refinement for later use. Many functions at a nuclear power plant generate vast amounts of data, with scheduled and unscheduled outages being a prime example of a source of some of the most complex data sets at the plant. To make matters worse, modern information and communications technology is making it possible to collect and store data faster than our ability to use it for making decisions. However, in most applications, especially outages, raw data has no value in itself; instead, managers, engineers and other specialists want to extract the information contained in it. The complexity and sheer volume of data could lead to information overload, resulting in getting lost in data that may be irrelevant to the task at hand, processed in an inappropriate way, or presented in an ineffective way. To prevent information overload, many data sources are ignored so production opportunities are lost because utilities lack the ability to deal with the enormous data volumes properly. Decision-makers are often confronted with large amounts of disparate, conflicting and dynamic information, which are available from multiple heterogeneous sources. Information and communication technologies alone will not solve this problem. Utilities need effective methods to exploit and use the hidden opportunities and knowledge residing in unexplored data resources. Superior performance before, during and after outages depends upon the right information being available at the right time to the right people. Acquisition of raw data is the easy part; instead, it is the ability to use advanced analytical, data processing and data visualization methods to turn the data into reliable information and comprehensible, actionable information. Techniques like data mining, filtering and analysis only work reliably for well-defined and well-understood problems. The path from data to decision is more complex. The ability to communicate knowledge during outages and emergent issues is crucial. This paper presents an approach to turn the unused data into an opportunity: applying principles from semiotics, human factors and visual analytics to

