

Breakthrough Improvement With QI Macros And Excel Finding The Invisible Low Hanging Fruit

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Workers, Managers, Productivity - Akio Hosono 2020-02-14

This open access book provides a glimpse into the Japanese management technique known as "Kaizen," and the ways it has been disseminated around the developing world. The novelty of this book is three-fold: it provides a contextualized view of the mechanisms of initiatives implementing Kaizen in developing countries; compared with productivity studies, it places the relationship between workers and managers at the center of inquiry, reflecting the intent of SDG8 concerning decent work and economic growth; and it provides an overview of the heterogeneity of Kaizen in terms of geography and firm size. This book explores how improving management techniques can support firms' productivity and quality. Given its wide range of case studies from across Africa, Asia and Latin America, this book will be of value to scholars, policymakers and advocates of sustainable development alike.

Free, Perfect, and Now - Robert Rodin 1999-08-06

In a world where knowledge is king, the Web never sleeps, and competitive challenge increases exponentially, Robert Rodin shows you how to prepare for the three insatiable demands of today's customers: they want their product or service FREE, they want it PERFECT, and they want it NOW. No matter what business you're in, you have to find a way to respond -- or risk losing your customers to competitors who are discovering new ways to sell your product or service cheaper, better, and faster than you've ever imagined. As the dynamic CEO of electronics distributor Marshall Industries who trained with the worldfamous W. Edwards Deming, Rob Rodin engineered the astounding reinvention of his company, turning a conventionally successful \$500 million business into a \$2 billion competitive powerhouse, a high-speed, high-profit junction box wired to today's imperatives. Rodin isn't a consultant, pretending change is a matter of five steps and a pep talk. He's lived inside its gut-wrenching turmoil. Six years ago Rodin and his colleagues bet their company on a radical experiment, tearing a healthy business down to bedrock. They threw out all the old tools, taking 1,100 managers off MBOs and incentives and abolishing commissions for 600 salespeople. They threw out all the old technology, too, changing every operating system in a single tense night. Then they set out to reinvent themselves, finding new ways to help people and technology work together -- creating a dynamic pioneer for our new electronic era, a company twice named as the #1 business-to-business Web site in the world by Advertising Age magazine. Free, Perfect, and Now tells the dramatic story of that transformation from the inside. Detailing the hard lessons learned in competitive battle, it offers a compelling new perspective on the most pressing issue facing businesspeople today: how to prepare a customer-focused corporation for a future you can't predict. But Free, Perfect, and Now is a book of solutions, too, a guide to help every manager turn ideas into concrete results. Each chapter explains, step by step, how to design a different element of a company, from how to anticipate customers' shifting demands to how to make a Web site profitable. And each chapter ends with a Manager's Workbook, containing detailed advice managers can use to make their business more competitive today.

AI and Learning Systems - Konstantinos Kyprianidis 2021-02-17

Over the last few years, interest in the industrial applications of AI and learning systems has surged. This book covers the recent developments and provides a broad perspective of the key challenges that characterize the field of Industry 4.0 with a focus on applications of AI. The target audience for this book includes engineers involved in automation system design, operational planning, and decision support. Computer science

practitioners and industrial automation platform developers will also benefit from the timely and accurate information provided in this work. The book is organized into two main sections comprising 12 chapters overall: • Digital Platforms and Learning Systems • Industrial Applications of AI

Tietz Textbook of Laboratory Medicine - E-Book - Nader Rifai 2022-02-03

Use THE definitive reference for laboratory medicine and clinical pathology! Tietz Textbook of Laboratory Medicine, 7th Edition provides the guidance necessary to select, perform, and evaluate the results of new and established laboratory tests. Comprehensive coverage includes the latest advances in topics such as clinical chemistry, genetic metabolic disorders, molecular diagnostics, hematology and coagulation, clinical microbiology, transfusion medicine, and clinical immunology. From a team of expert contributors led by Nader Rifai, this reference includes access to wide-ranging online resources on Expert Consult — featuring the comprehensive product with fully searchable text, regular content updates, animations, podcasts, over 1300 clinical case studies, lecture series, and more. Authoritative, current content helps you perform tests in a cost-effective, timely, and efficient manner; provides expertise in managing clinical laboratory needs; and shows how to be responsive to an ever-changing environment. Current guidelines help you select, perform, and evaluate the results of new and established laboratory tests. Expert, internationally recognized chapter authors present guidelines representing different practices and points of view. Analytical criteria focus on the medical usefulness of laboratory procedures. Use of standard and international units of measure makes this text appropriate for any user, anywhere in the world. Expert Consult provides the entire text as a fully searchable eBook, and includes regular content updates, animations, podcasts, more than 1300 clinical case studies, over 2500 multiple-choice questions, a lecture series, and more. NEW! 19 additional chapters highlight various specialties throughout laboratory medicine. NEW! Updated, peer-reviewed content provides the most current information possible. NEW! The largest-ever compilation of clinical cases in laboratory medicine is included on Expert Consult. NEW! Over 100 adaptive learning courses on Expert Consult offer the opportunity for personalized education.

Software Evolution - Lowell Jay Arthur 1988-03

Software evolution and maintenance. Change management; Impact analysis. System release planning. Corrective maintenance. Adaptive maintenance. Perfective maintenance. Reengineering source code. Software testing. System release and configuration management. Implementing software evolution. Managing software Maintenance. *Information Management and Big Data* - Juan Antonio Lossio-Ventura 2019-02-07

This book constitutes the refereed proceedings of the 5th International Conference on Information Management and Big Data, SIMBig 2018, held in Lima, Peru, in September 2018. The 34 papers presented were carefully reviewed and selected from 101 submissions. The papers address issues such as data mining, artificial intelligence, Natural Language Processing, information retrieval, machine learning, web mining.

Your Seventh Sense - Karyn Ruth White 2004-07

Want to be the last comic standing? You can! For years Jay Arthur, has been studying and reverse engineering how comedians think. With his co-author Karyn Ruth White, a standup comedian and professional speaker, they have refined the process and come up with the essential skills of how to think like a comedian and find the funny in everyday life.

Energy Economics - Subhes C. Bhattacharyya 2019-11-02

This book provides an updated and expanded overview of basic concepts of energy economics and explains how simple economic tools can be used to analyse contemporary energy issues in the light of recent developments, such as the Paris Agreement, the UN Sustainable Development Goals and new technological developments in the production and use of energy. The new edition is divided into four parts covering concepts, issues, markets, and governance. Although the content has been thoroughly revised and rationalised to reflect the current state of knowledge, it retains the main features of the first edition, namely accessibility, research-informed presentation, and extensive use of charts, tables and worked examples. This easily accessible reference book allows readers to gain the skills required to understand and analyse complex energy issues from an economic perspective. It is a valuable resource for students and researchers in the field of energy economics, as well as interested readers with an interdisciplinary background.

Green Technological Innovation for Sustainable Smart Societies - Chinmay Chakraborty 2021-10-15

This book discusses the innovative and efficient technological solutions for sustainable smart societies in terms of alteration in industrial pollution levels, the effect of reduced carbon emissions, green power management, ecology, and biodiversity, the impact of minimal noise levels and air quality influences on human health. The book is focused on the smart society development using innovative low-cost advanced technology in different areas where the growth in employment and income are driven by public and private investment into such economic activities, infrastructure and assets that allow reduced carbon emissions and pollution, enhanced energy, and resource efficiency and prevention of the loss of biodiversity and ecosystem services. The book also covers the paradigm shift in the sustainable development for the green environment in the post-pandemic era. It emphasizes and facilitates a greater understanding of existing available research i.e., theoretical, methodological, well-established and validated empirical work, associated with the environmental and climate change aspects.

Ecological Inference - Gary King 2004-09-13

Publisher Description

Complex Systems Design & Management - Daniel KroB 2021-04-09

This book contains all refereed papers accepted during the fourth asia-pacific edition & twelve edition - which were merged this year - of the CSD&M conference that took place in Beijing, People's Republic of China by 2021. Mastering complex systems requires an integrated understanding of industrial practices as well as sophisticated theoretical techniques and tools. This explains the creation of an annual go-between European and Asian forum dedicated to academic researchers & industrial actors working on complex industrial systems architecting, modeling & engineering. These proceedings cover the most recent trends in the emerging field of complex systems, both from an academic and professional perspective. A special focus was put this year on "Digital Transformation in Complex Systems Engineering". CESAM Community The CSD&M series of conferences are organized under the guidance of CESAM Community, managed by CESAMES. CESAM Community aims in organizing the sharing of good practices in systems architecting and model-based systems engineering (MBSE) and certifying the level of knowledge and proficiency in this field through the CESAM certification. The CESAM systems architecting & model-based systems engineering (MBSE) certification is especially currently the most disseminated professional certification in the world in this domain through more than 1,000 real complex system development projects on which it was operationally deployed and around 10,000 engineers who were trained on the CESAM framework at international level.

Organizational Dynamics of Technology-Based Innovation:

Diversifying the Research Agenda - Tom McMaster 2007-08-08

This volume presents papers from the 10th Working Conference of the IFIP WG 8.6 on the adoption and diffusion of information systems and technologies. It explores the dynamics of how some technological innovation efforts succeed while others fail. The book looks to expand the research agenda, paying special attention to the areas of theoretical perspectives, methodologies, and organizational sectors.

Quality Systems Handbook - David Hoyle 2015-08-11

Quality Systems Handbook is a reference book that covers concepts and ideas in quality system. The book is comprised of two parts. Part 1 provides the background information of ISO 9000, such as its origin, composition, application, and the strategies for registration. Part 2 covers topics relevant to the ISO 9000 requirements, which include

design control, internal quality audits, and statistical techniques. The text will be useful to managers, auditors, and quality practitioners who require reference in the various aspects of quality systems.

The Onward Workbook - Elena Aguilar 2018-05-08

An empowering journey that keeps great teachers in the classroom The Onward Workbook is a collection of tools and strategies that help teachers banish the burnout and cultivate true resilience. Keyed to the framework presented in Onward, this companion piece augments the text with practical exercises, coaching, and step-by-step walkthroughs of beneficial practices. Deep introspection allows you to verbalize your feelings, name your challenges, and identify the tools you have and the tools you need—from there, you'll explore each of the 12 Key Habits and learn how to put them into practice every day. In cultivating resilience within yourself and your teaching practice, you improve your health, your outlook, and your relationships while building an environment in which every child succeeds. This workbook takes you on a journey of specific self-discovery that changes your perspective, renews your confidence, and empowers you to make the much-needed changes that allow you to continue inspiring young minds. Dig deeper within to discover what you're truly made of Decode complex emotions, body language, and nonverbal communications Challenge your beliefs, build community, and navigate difficult interactions Learn more, feel more, play more, and practice effective self-care Resiliency is an underrated skill—one that can make all the difference in our schools. Challenges will always arise, but it is your response that dictates the outcome. Can you think of a more important lesson for your students? When some 70 percent of teachers quit within their first five years, it is clear that changes must be made. The Onward Workbook equips you to make the changes that you can, and flourish into the future. While this book can be used by individuals, it is also designed so that groups, teams, departments, or an entire staff can take up the learning together. There are specific suggestions in the workbook for using this with a group, and educators will reap even more reward from discussing the practices and experiences with colleagues.

Refrigeration Systems and Applications - Ibrahim Dinçer 2017-05-30

The definitive text/reference for students, researchers and practicing engineers This book provides comprehensive coverage on refrigeration systems and applications, ranging from the fundamental principles of thermodynamics to food cooling applications for a wide range of sectoral utilizations. Energy and exergy analyses as well as performance assessments through energy and exergy efficiencies and energetic and exergetic coefficients of performance are explored, and numerous analysis techniques, models, correlations and procedures are introduced with examples and case studies. There are specific sections allocated to environmental impact assessment and sustainable development studies. Also featured are discussions of important recent developments in the field, including those stemming from the author's pioneering research. Refrigeration is a uniquely positioned multi-disciplinary field encompassing mechanical, chemical, industrial and food engineering, as well as chemistry. Its wide-ranging applications mean that the industry plays a key role in national and international economies. And it continues to be an area of active research, much of it focusing on making the technology as environmentally friendly and sustainable as possible without compromising cost efficiency and effectiveness. This substantially updated and revised edition of the classic text/reference now features two new chapters devoted to renewable-energy-based integrated refrigeration systems and environmental impact/sustainability assessment. All examples and chapter-end problems have been updated as have conversion factors and the thermophysical properties of an array of materials. Provides a solid foundation in the fundamental principles and the practical applications of refrigeration technologies Examines fundamental aspects of thermodynamics, refrigerants, as well as energy and exergy analyses and energy and exergy based performance assessment criteria and approaches Introduces environmental impact assessment methods and sustainability evaluation of refrigeration systems and applications Covers basic and advanced (and hence integrated) refrigeration cycles and systems, as well as a range of novel applications Discusses crucial industrial, technical and operational problems, as well as new performance improvement techniques and tools for better design and analysis Features clear explanations, numerous chapter-end problems and worked-out examples Refrigeration Systems and Applications, Third Edition is an indispensable working resource for researchers and practitioners in the areas of Refrigeration and Air Conditioning. It is also an ideal textbook for graduate and senior undergraduate students in mechanical, chemical, biochemical, industrial

and food engineering disciplines.

Beyond Transparency - Brett Goldstein 2013-09-30

The rise of open data in the public sector has sparked innovation, driven efficiency, and fueled economic development. While still emerging, we are seeing evidence of the transformative potential of open data in shaping the future of our civic life, and the opportunity to use open data to reimagine the relationship between residents and government, especially at the local level. As we look ahead, what have we learned so far from open data in practice and how we can apply those lessons to realize a more promising future for America's cities and communities? Edited by Brett Goldstein, former Chief Data Officer for the City of Chicago, with Code for America, this book features essays from over twenty of the world's leading experts in a first-of-its-kind instructive anthology about how open data is changing the face of our public institutions. Contributors include: Michael Flowers, Chief Analytics Officer, New York City Beth Blauer, former director of Maryland StateStat Jonathan Feldman, CIO, City of Asheville Tim O'Reilly, founder & CEO, O'Reilly Media Eric Gordon, Director of Engagement Game Lab, Emerson College Beth Niblock, CIO, Louisville Metro Government Ryan & Mike Alfred, Co-Founders, Brightscope Emer Coleman, former director of the London Datastore Mark Headd, Chief Data Officer, City of Philadelphia "As an essential volume for anyone interested in the future of governance, urban policy, design, data-driven policymaking, journalism, or civic engagement, "Beyond Transparency" combines the inspirational glow and political grit of Profiles in Courage with the clarity of an engineer's calm explanation of how something technical actually works. Here are the detailed how-to stories of many members of the first generation of open government pioneers, written in a generous, accessible style; this compilation presents us with a great deal to admire, ample provocation, and wise guidance from a group of remarkable individuals." -Susan Crawford, author of Captive Audience "Just as he did during his time in my administration, Goldstein has brought together industry leaders to discuss issues of relevance in the open data movement and the practical implications of implementing these policies... This book will help continue the work to make open government a reality across the country." - Mayor Rahm Emanuel, City of Chicago "A must-read for anyone who is passionate about what open data can do to transform city living." - Boris Johnson, Mayor of London

The Small Business Guerrilla Guide to Six Sigma - Jay Arthur 2003-08-01

Thinking about Six Sigma, but worried about the exorbitant costs? The Small Business Guerrilla Guide to Six Sigma will show you why the conventional "big business" strategy for implementing Six Sigma is wrong for small business. So how can small businesses out fox the big ones? By doing the opposite: - To get big benefits fast, set big hairy audacious goals, not incremental ones - To boost return on investment, narrow your focus - To increase adoption of Six Sigma, reduce the number of people involved - To accelerate Six Sigma, get commitment from your informal leaders, not the formal ones - To maximize learning, minimize training According to the SBA, small businesses: - provide 75 percent of the net new jobs added to the economy - represent 99.7 percent of all employers - employ 50.1 percent of the private work force - provide 40.9 percent of private sales in the country. - account for 39.1 percent of jobs in high technology sectors in 2001 - account for 52 percent of private sector output in 1999 - represent 97 percent of all U.S. exporters If Six Sigma is truly yielding huge savings for the companies that use it, then it stands to reason that small businesses need Six Sigma in order to achieve the kind of cost savings and increased profitability enjoyed by large-company Six Sigma practitioners. - Dirk Dusharme.

Six Sigma Simplified - Jay Arthur 2001-01-15

The perfect primer for anyone who wants to familiarize themselves with Six Sigma what it is and how to implement it without spending a fortune. Developed for busy problem solvers who are dissatisfied with the current all-or-nothing approach to solving mission-critical business problems. It describes a proven, crawl, walk, run methodology that delivers laser-focused problem solving and results.

Tietz Textbook of Clinical Chemistry and Molecular Diagnostics - Nader Rifai 2017-01-16

The Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, 6th Edition provides the most current and authoritative guidance on selecting, performing, and evaluating the results of new and established laboratory tests. This classic clinical chemistry reference offers encyclopedic coverage detailing everything you need to know, including: analytical criteria for the medical usefulness of laboratory tests, variables that affect tests and results, laboratory medicine, applications

of statistical methods, and most importantly clinical utility and interpretation of laboratory tests. It is THE definitive reference in clinical chemistry and molecular diagnostics, now fully searchable and with quarterly content updates, podcasts, clinical cases, animations, and extended content online through Expert Consult. Analytical criteria focus on the medical usefulness of laboratory procedures. Reference ranges show new approaches for establishing these ranges — and provide the latest information on this topic. Lab management and costs gives students and chemists the practical information they need to assess costs, allowing them to do their job more efficiently and effectively. Statistical methods coverage provides you with information critical to the practice of clinical chemistry. Internationally recognized chapter authors are considered among the best in their field. Two-color design highlights important features, illustrations, and content to help you find information easier and faster. NEW! Internationally recognized chapter authors are considered among the best in their field. NEW! Expert Consult features fully searchable text, quarterly content updates, clinical case studies, animations, podcasts, atlases, biochemical calculations, multiple-choice questions, links to Medline, an image collection, and audio interviews. You will now enjoy an online version making utility of this book even greater. UPDATED! Expanded Molecular Diagnostics section with 12 chapters that focus on emerging issues and techniques in the rapidly evolving and important field of molecular diagnostics and genetics ensures this text is on the cutting edge and of the most value. NEW! Comprehensive list of Reference Intervals for children and adults with graphic displays developed using contemporary instrumentation. NEW! Standard and international units of measure make this text appropriate for any user — anywhere in the world. NEW! 22 new chapters that focus on applications of mass spectrometry, hematology, transfusion medicine, microbiology, biobanking, biomarker utility in the pharmaceutical industry and more! NEW! Expert senior editors, Nader Rifai, Carl Wittwer and Rita Horvath, bring fresh perspectives and help ensure the most current information is presented. UPDATED! Thoroughly revised and peer-reviewed chapters provide you with the most current information possible.

Principles of Total Quality - Vincent K. Omachonu 2004-05-27

In this era of global competition, the demands of customers are growing, and the quest for quality has never been more urgent. Quality has evolved from a concept into a strategy for long-term viability. The third edition of Principles of Total Quality explains this strategy for both the service and manufacturing sectors. This edition addr

Double Your Profits - Jay Arthur 2008-09

In economic downturns, do you have trouble staying profitable? Does it seem like there's too much firefighting and too much day-to-day crisis management? Have you tried everything you can think of to increase profits, but you still have that nagging feeling that there are too many leaks in your cash flow? Imagine having a special set of lenses that would let you see every leak in your cash flow. Not only that, but they would give you precise insights into what to change to plug the leaks and maximize revenue. Using the proven methods and tools of what is now known as Lean Six Sigma, in industries as diverse as healthcare, printing and metal fabrication, Jay Arthur has found that a handful of methods and tools will solve most problems. While Fortune 500 companies spend millions to implement Lean Six Sigma, most companies can't dole out that kind of cash. With the right mindset and a few tools, Jay has found you can start making breakthrough improvements immediately. And it doesn't have to cost a fortune. Most managers find it hard to believe they can double their profits. They doubt that a business can be profitable and still waste as much as \$40 out of every \$100 they spend on their hidden Fix-it Factory of firefighting and crisis management. But that's what Jay finds in every business. In this book you'll discover the power laws of speed and power laws of quality. Jay has removed all of the Lean Six Sigma jargon, leaving only the key insights needed to maximize profits. Jay wants everyone to learn how to be a "Money Belt" - someone who can find and plug the leaks in their cash flow.

The Lean Six Sigma Guide to Doing More With Less - Mark O. George 2010-01-28

Praise for The Lean Six Sigma guide to Doing More with Less "At Frito Lay, we have applied many of the concepts and tools in this book, and we are realizing a five to seven times return on our annual Lean Six Sigma investment." —Tony Mattei, Lean Six Sigma Director, Frito Lay "Ecolab has experienced a sustainable, competitive advantage through Lean Six Sigma. The principles in this book are helping us drive greater value for our share-holders, better service for our customers, and talent development opportunities for our associates." —Jeffrey E. Burt, Vice

President and Global Deployment Leader, Lean Six Sigma, Ecolab "This book gives excellent insights into Lean Six Sigma and its strong impact within different industries. We used Lean Six Sigma in numerous process improvement projects, which, in turn, helped to create momentum and set up a process improvement culture. Amid a challenging economic environment, we are accelerating this initiative globally." —Satheesh Mahadevan, Directeur des Processus, Société Générale "Our Lean Six Sigma deployment of the concepts and tools described in this book is transforming our business—with tangible benefits for our employees, customers, suppliers, and shareholders." —Jeffrey Herzfeld, Sr. Vice President and General Manager, Teva Pharmaceuticals USA "We have deployed the holistic Lean Six Sigma strategy described by Mark George across our enterprise. It is providing remarkable returns for Unum." —Bob Best, Chief Operating Officer, Unum "The Lean Six Sigma Guide to Doing More with Less presents a comprehensive view of operations transformation, the approaches required for success, leadership's role, and the competitive advantage that results. Transformational changes are enabling us to do more with less, by investing and working smarter." —Ted Doheny, President and COO, Joy Mining Machinery

Lean Six Sigma for Hospitals: Simple Steps to Fast, Affordable, and Flawless Healthcare - Jay Arthur 2011-02-22

DELIVER FASTER, BETTER, AND CHEAPER HEALTHCARE IN AS FEW AS FIVE DAYS 4 STAR DOODY'S REVIEW! "The main purpose is to present simple steps to help hospitals start getting faster, better, and cheaper in five days or less while achieving the goal of fast, affordable, and flawless healthcare. Healthcare has many opportunities for improvement and the use of Lean Six Sigma concepts can make a dramatic impact. This book provides the basic information to do that."--Doody's Review Service Lean Six Sigma for Hospitals: Simple Steps to Fast, Affordable, Flawless Healthcare explains how to use tested Lean Six Sigma methods and tools to rapidly improve hospital operations and quality of care and reduce costs. These proven strategies follow the patient from the front door of the hospital or emergency room all the way through discharge, examining key aspects of patient flow and quality. The trail of billing and collections is also followed to discover and eliminate cash flow leaks. This practical guide emphasizes both the clinical and operational sides to reduce the "three demons of quality"--delay, defects, and deviation. Real-world case studies from major hospitals illustrate successful implementations of Lean Six Sigma. Coverage Includes: Achieving a faster, better hospital in five days--emergency department, door-to-balloon time, operating room, medical imaging, lab, nursing unit, clinical staff, pharmacy, order accuracy, diagnosis, ICU Lean for accelerated patient flow Reducing medical errors with Six Sigma Creating a more profitable hospital in five days by reducing denied, rejected, and appealed claims Six Sigma for hospitals Excel power tools for Lean Six Sigma Identifying improvement projects through data mining and analysis Sustaining improvement using control charts Laser-focused process innovation Statistical tools for Lean Six Sigma Implementing Lean Six Sigma

Breakthrough Improvement with QI Macros and Excel: Finding the Invisible Low-Hanging Fruit - Jay Arthur 2014-03-11

Maximize speed, quality, productivity, and profits with QI Macros for Excel Breakthrough Improvement with QI Macros and Excel: Finding the Invisible Low-Hanging Fruit reveals proven techniques for identifying and analyzing data that will lead to immediate results. This practical guide focuses on using Excel, one of the most widely used software packages, to drive improvement--no need to rely on expensive training in a new methodology. Free video training and a 90-day trial version of QI Macros for Excel can be found at www.qimacros.com/breakthrough. Links to YouTube videos for each chapter of the book can be found at www.breakthrough-improvement-excel.com The combination of the book, software, and video training will provide you with the tools you need to eliminate the three silent killers of productivity: delay, defects, and deviation. You'll make and sustain breakthrough improvements that will catapult your business ahead of the competition. LEARN HOW TO: Design well-organized spreadsheets for breakthrough improvement Use Excel formulas to prepare data for charting or analysis Reduce data to a manageable size using Excel's built-in functions Master the Magnificent Seven Tools of Breakthrough Improvement--value-stream maps and spaghetti diagrams, PivotTables, control charts, Pareto charts, histograms, fishbone diagrams, and matrix diagrams Follow the money to identify and plug leaks in your cash flow Identify and eliminate defects, mistakes, and errors in your processes Transform your data into visually stunning shortcuts to decisions, actions, productivity, and profits Consolidate data into well-designed Excel charts to quickly communicate

performance trends Maximize QI Macros for Excel power tools to analyze and graph data Find invisible low-hanging fruit using PivotTables Sustain breakthrough improvement with control charts, histograms, and dashboards Use statistical tools, including hypothesis testing, analysis of variance, and regression analysis

Lean Simplified - Jay Arthur 2004

The Lean simplified training DVD will show you, step-by-step, how to identify and eliminate the non-value added delay from your processes. It's so simple that most people won't believe it until they see it. In a world that worships complexity, lean thinking seems too simple.

International Conference on Cognitive based Information Processing and Applications (CIPA 2021) - Bernard J. Jansen 2021-10-28

This book contains papers presented at the International Conference on Cognitive based Information Processing and Applications (CIPA) held during August 21, 2021, online conference (since COVID 19), which is divided into a 2-volume book. The papers in the second volume represent the various technological advancements in network information processing, graphics and image processing, medical care, machine learning, smart cities. It caters to postgraduate students, researchers, and practitioners specializing and working in the area of cognitive-inspired computing and information processing.

How to Motivate Everyone - Jay Arthur 2001

Jay Arthur, the KnowWare Man, Denver, Colorado, works with success-minded marketers, managers, and salespeople who want to close the gap between where they are and where they want to be.

QI macros Excel - Jay Arthur 2015

Real Options Analysis - Johnathan Mun 2006-02-17

"Mun demystifies real options analysis and delivers a powerful, pragmatic guide for decision-makers and practitioners alike. Finally, there is a book that equips professionals to easily recognize, value, and seize real options in the world around them." --Jim Schreckengast, Senior VP, R&D Strategy, Gemplus International SA, France Completely revised and updated to meet the challenges of today's dynamic business environment, Real Options Analysis, Second Edition offers you a fresh look at evaluating capital investment strategies by taking the strategic decision-making process into consideration. This comprehensive guide provides both a qualitative and quantitative description of real options; the methods used in solving real options; why and when they are used; and the applicability of these methods in decision making.

The Book of Qt 4 - Daniel Molkentin 2007

Presenting hints on developing user-friendly applications, Molkentin explores tools needed to create dialog boxes, steps to follow when developing a GUI-based application, and how to visualize data using Qt's "model-view concept."

Intermediate Microeconomics with Microsoft Excel - Humberto Barreto 2009-07-30

This unique text uses Microsoft Excel® workbooks to instruct students. In addition to explaining fundamental concepts in microeconomic theory, readers acquire a great deal of sophisticated Excel skills and gain the practical mathematics needed to succeed in advanced courses. In addition to the innovative pedagogical approach, the book features explicitly repeated use of a single central methodology, the economic approach. Students learn how economists think and how to think like an economist. With concrete, numerical examples and novel, engaging applications, interest for readers remains high as live graphs and data respond to manipulation by the user. Finally, clear writing and active learning are features sure to appeal to modern practitioners and their students. The website accompanying the text is found at www.depauw.edu/learn/microexcel.

The Kaizen Event Planner - Karen Martin 2017-07-27

Kaizen Events are an effective way to train organizations to break unproductive habits and adopt a continuous improvement philosophy while, at the same time, achieve breakthrough performance-level results. Through Kaizen Events, cross-functional teams learn how to make improvements in a methodological way. They learn how to quickly study a process,

The Lean Six Sigma Black Belt Handbook - Frank Voehl 2013-07-09

Although Lean and Six Sigma appear to be quite different, when used together they have shown to deliver unprecedented improvements to quality and profitability. The Lean Six Sigma Black Belt Handbook: Tools and Methods for Process Acceleration explains how to integrate these seemingly dissimilar approaches to increase production speed while decreasing variations and costs in your organization. Presenting problem-solving tools you can use to immediately determine the sources

of the problems in your organization, the book is based on a recent survey that analyzed Six Sigma tools to determine which are the most beneficial. Although it focuses on the most commonly used tools, it also includes coverage of those used a minimum of two times on every five Six Sigma projects. Filled with diagrams of the tools you'll need, the book supplies a comprehensive framework to help you for organize and process the vast amount of information currently available about Lean, quality management, and continuous improvement process applications. It begins with an overview of Six Sigma, followed by little-known tips for using Lean Six Sigma (LSS) effectively. It examines the LSS quality system, its supporting organization, and the different roles involved. Identifying the theories required to support a contemporary Lean system, the book describes the new skills and technologies that you need to master to be certified at the Lean Six Sigma Black Belt (LSSBB) level. It also covers the advanced non-statistical and statistical tools that are new to the LSSBB body of knowledge. Presenting time-tested insights of a distinguished group of authors, the book provides the understanding required to select the solutions that best fit your organization's aim and culture. It also includes exercises, worksheets, and templates you can easily customize to create your own handbook for continuous process improvement. Designed to make the methodologies you choose easy to follow, the book will help Black Belts and Senseis better engage their employees, as well as provide an integrated and visual process management structure for reporting and sustaining continuous improvement breakthroughs and initiatives.

Debug Your Mental Software - Jay Arthur 2006-08-01

Still making the same old mental mistakes over and over again? Isn't it time to debug your mental software? Using the simple tools in this book, you'll learn how to: 1) debug your mental software to eliminate the mental barriers to your success, 2) upgrad

Digital Business Analysis - Fredrik Milani 2019-01-25

This book frames business analysis in the context of digital technologies. It introduces modern business analysis techniques, including a selection of those in the Business Analysis Body of Knowledge (BABOK) by the International Institute of Business Analysis (IIBA), and exemplifies them by means of digital technologies applied to solve problems or exploit new business opportunities. It also includes in-depth case studies in which business problems and opportunities, drawn from real-world scenarios, are mapped to digital solutions. The work is summarized in seven guiding principles that should be followed by every business analyst. This book is intended mainly for students in business informatics and related areas, and for professionals who want to acquire a solid background for their daily work. It is suitable both for courses and for self-study. Additional teaching materials such as lecture videos, slides, question bank, exams, and seminar materials are accessible on the companion web-page.

Logistics 4.0 - Turan Paksoy 2020-12-18

Industrial revolutions have impacted both, manufacturing and service. From the steam engine to digital automated production, the industrial revolutions have conducted significant changes in operations and supply chain management (SCM) processes. Swift changes in manufacturing and service systems have led to phenomenal improvements in productivity. The fast-paced environment brings new challenges and opportunities for the companies that are associated with the adaptation to the new concepts such as Internet of Things (IoT) and Cyber Physical Systems, artificial intelligence (AI), robotics, cyber security, data analytics, block chain and cloud technology. These emerging technologies facilitated and expedited the birth of Logistics 4.0. Industrial Revolution 4.0 initiatives in SCM has attracted stakeholders' attentions due to it is ability to empower using a set of technologies together that helps to execute more efficient production and distribution systems. This initiative has been called Logistics 4.0 of the fourth Industrial Revolution in SCM due to its high potential. Connecting entities, machines, physical items and enterprise resources to each other by using sensors, devices and the internet along the supply chains are the main attributes of Logistics 4.0. IoT enables customers to make more suitable and valuable decisions due to the data-driven structure of the Industry 4.0 paradigm. Besides that, the system's ability of gathering and analyzing information about the environment at any given time and adapting itself to the rapid changes add significant value to the SCM

processes. In this peer-reviewed book, experts from all over the world, in the field present a conceptual framework for Logistics 4.0 and provide examples for usage of Industry 4.0 tools in SCM. This book is a work that will be beneficial for both practitioners and students and academicians, as it covers the theoretical framework, on the one hand, and includes examples of practice and real world.

Introduction to Information Retrieval - Christopher D. Manning 2008-07-07

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

UNIX Shell Programming - Lowell Jay Arthur 1986

Software -- Operating Systems.

Breakthrough Improvement with QI Macros and Excel: Finding the Invisible Low-Hanging Fruit - Jay Arthur 2014-03-15

Maximize speed, quality, productivity, and profits with QI Macros for Excel Breakthrough Improvement with QI Macros and Excel: Finding the Invisible Low-Hanging Fruit reveals proven techniques for identifying and analyzing data that will lead to immediate results. This practical guide focuses on using Excel, one of the most widely used software packages, to drive improvement--no need to rely on expensive training in a new methodology. Free video training and a 90-day trial version of QI Macros for Excel can be found at www.qimacros.com/breakthrough. Links to YouTube videos for each chapter of the book can be found at www.breakthrough-improvement-excel.com The combination of the book, software, and video training will provide you with the tools you need to eliminate the three silent killers of productivity: delay, defects, and deviation. You'll make and sustain breakthrough improvements that will catapult your business ahead of the competition. LEARN HOW TO: Design well-organized spreadsheets for breakthrough improvement Use Excel formulas to prepare data for charting or analysis Reduce data to a manageable size using Excel's built-in functions Master the Magnificent Seven Tools of Breakthrough Improvement--value-stream maps and spaghetti diagrams, PivotTables, control charts, Pareto charts, histograms, fishbone diagrams, and matrix diagrams Follow the money to identify and plug leaks in your cash flow Identify and eliminate defects, mistakes, and errors in your processes Transform your data into visually stunning shortcuts to decisions, actions, productivity, and profits Consolidate data into well-designed Excel charts to quickly communicate performance trends Maximize QI Macros for Excel power tools to analyze and graph data Find invisible low-hanging fruit using PivotTables Sustain breakthrough improvement with control charts, histograms, and dashboards Use statistical tools, including hypothesis testing, analysis of variance, and regression analysis

Numerical Methods for Large Eigenvalue Problems - Yousef Saad 2011-01-01

This revised edition discusses numerical methods for computing eigenvalues and eigenvectors of large sparse matrices. It provides an in-depth view of the numerical methods that are applicable for solving matrix eigenvalue problems that arise in various engineering and scientific applications. Each chapter was updated by shortening or deleting outdated topics, adding topics of more recent interest, and adapting the Notes and References section. Significant changes have been made to Chapters 6 through 8, which describe algorithms and their implementations and now include topics such as the implicit restart techniques, the Jacobi-Davidson method, and automatic multilevel substructuring.