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Point and click your way to performing statistics! Many people are intimidated by learning statistics, but *A Gentle Introduction to Statistics Using SAS Studio in the Cloud* is here to help. Whether you need to perform statistical analysis for a project or, perhaps, for a course in education, psychology, sociology, economics, or any other field that requires basic statistical skills, this book teaches the fundamentals of statistics, from designing your experiment through calculating logistic regressions. Serving as an introduction to many common statistical tests and principles, it explains concepts in an intuitive way with little math and very few formulas. The book is full of examples demonstrating the use of SAS Studio's easy point-and-click interface accessed with SAS OnDemand for Academics, an online delivery platform for teaching and learning statistical analysis that provides free access to SAS software via the cloud. Topics included in this book are: How to access SAS OnDemand for Academics Descriptive statistics One-sample tests T tests (for independent or paired samples) One-way analysis of variance (ANOVA) N-way ANOVA Correlation analysis Simple and multiple linear regression Binary logistic regression Categorical data, including two-way tables and chi-square Power and sample size calculations Questions are provided to test your knowledge and

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practice your skills.

Adapting Configuration Management for Agile Teams provides very tangible approaches on how Configuration Management with its practices and infrastructure can be adapted and managed in order to directly benefit agile teams. Written by Mario E. Moreira, author of Software Configuration Management Implementation Roadmap, columnist for CM Crossroads online community and writer for the Agile Journal, this unique book provides concrete guidance on tailoring CM for Agile projects without sacrificing the principles of Configuration Management.

Offers a systematic approach to product/market fit, discussing customer involvement, optimal time to obtain funding, and when to change the plan.

Corey Ladas' groundbreaking paper "ScrumBan" has captured the imagination of the software development world. Scrum and agile methodologies have helped software development teams organize and become more efficient. Lean methods like kanban can extend these benefits. Kanban also provides a powerful mechanism to identify process improvement opportunities. This book covers some of the metrics and day-to-day management techniques that make continuous improvement an achievable outcome in the real world. ScrumBan the book provides a series of essays that give practitioners the background needed to create more robust practices combining the best of agile and lean.

Discover what is involved with Agile and Lean Software Development, Scrum, Extreme Programming, Lean and Kanban Learning new software development processes can be difficult, but switching to Agile and Lean doesn't need to be complicated. Explore the theories behind Agile and Lean Software Development, and learn how to make it work for you. In a

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Gentle Introduction to Agile and Lean Software Development, author Stephen Haunts will guide you to a fuller understanding of Agile, Scrum, Extreme Programming, Lean, and Kanban. You will learn about the advantages and disadvantages, and how to get the most out of it. In this book you will learn... Introduction Waterfall Development and its Problems What is Agile? Common Agile Misconceptions and Mistakes Advantages and Disadvantages Extreme Programming (XP) Scrum Lean Manufacturing Lean Software Development Applying Lean Software Development? Agile Software Development vs. Lean Software Development Software Practices to Support Lean Kanban About the Author Stephen Haunts has been a professional software and applications developer since 1996 and as a hobby since he was 10. Stephen has worked in many different industries including computer games, online banking, retail finance, healthcare & pharmaceuticals and insurance. Stephen started programming in BASIC on machines such as the Dragon 32, Vic 20 and the Amiga and moved onto C and C++ on the IBM PC. Stephen has been developing software in C# and the .NET framework since first being introduced to it in 2003. As well as being an accomplished software developer, Stephen is also an experienced development leader and has led, mentored and coached teams to deliver many high-value, high-impact solutions in finance and healthcare. Outside of Stephen's day job, he is also an experienced tech blogger who runs a popular blog called Coding in the Trenches at <http://www.stephenhaunts.com/>, and he is also a training course author for the popular online training company Pluralsight. Stephen also runs several open source projects including SafePad, Text Shredder, Block Encryptor, and Smoke Tester-the post-deployment testing tool.

"Change resistance is a natural reaction, when you don't involve the people affected by the

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change in the design of the change. This book will help you implement successful change and bypass change resistance by co-creating change. The book will do that through examples of how innovative practices can dramatically improve the success of change programs. These practices combine ideas from the Agile, Lean Startup, change management, organizational development and psychology communities. This book will change how you think about change."--

User experience (UX) design has traditionally been a deliverables-based practice, with wireframes, site maps, flow diagrams, and mockups. But in today's web-driven reality, orchestrating the entire design from the get-go no longer works. This hands-on book demonstrates Lean UX, a deeply collaborative and cross-functional process that lets you strip away heavy deliverables in favor of building shared understanding with the rest of the product team. Lean UX is the evolution of product design; refined through the real-world experiences of companies large and small, these practices and principles help you maintain daily, continuous engagement with your teammates, rather than work in isolation. This book shows you how to use Lean UX on your own projects. Get a tactical understanding of Lean UX—and how it changes the way teams work together

- Frame a vision of the problem you're solving and focus your team on the right outcomes
- Bring the designer's tool kit to the rest of your product team
- Break down the silos created by job titles and learn to trust your teammates
- Improve the quality and productivity of your teams, and focus on validated experiences as opposed to deliverables/documents
- Learn how Lean UX integrates with Agile UX

Summary Kanban in Action is a down-to-earth, no-frills, get-to-know-the-ropes introduction to kanban. It's based on the real-world experience and observations from two kanban coaches

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who have introduced this process to dozens of teams. You'll learn the principles of why kanban works, as well as nitty-gritty details like how to use different color stickies on a kanban board to help you organize and track your work items. About the Book Too much work and too little time? If this is daily life for your team, you need kanban, a lean knowledge-management method designed to involve all team members in continuous improvement of your process. Kanban in Action is a practical introduction to kanban. Written by two kanban coaches who have taught the method to dozens of teams, the book covers techniques for planning and forecasting, establishing meaningful metrics, visualizing queues and bottlenecks, and constructing and using a kanban board. Written for all members of the development team, including leaders, coders, and business stakeholders. No experience with kanban is required. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside How to focus on work in process and finish faster Examples of successful implementations How team members can make informed decisions About the Authors Marcus Hammarberg is a kanban coach and software developer with experience in BDD, TDD, Specification by Example, Scrum, and XP. Joakim Sundén is an agile coach at Spotify who cofounded the first kanban user groups in Europe. Table of Contents PART 1 LEARNING KANBAN Team Kanbaneros gets startedPART 2 UNDERSTANDING KANBAN Kanban principles Visualizing your work Work items Work in process Limiting work in process Managing flow PART 3 ADVANCED KANBAN Classes of service Planning and estimating Process improvement Using metrics to guide improvements Kanban pitfalls Teaching kanban through games Now in its second edition, *The Power of the Agile Business Analyst* has expanded to

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include new Agile methods that have emerged or gained prominence since the first edition. Buy this book to learn how to revolutionise your Agile development and increase the value and relevancy of your project outcomes. Learn 30 realistic, achievable ways that an Agile business analyst can increase project efficiency, add value and improve quality. Find out how an Agile business analyst bridges the gap between the needs of the business and the resources of the development team. Now updated with current Agile methods, to support emerging and established business analysts to adapt to new trends. 30 ways an Agile business analyst can help Drawing on her extensive experience, Jamie proposes a new role for Agile projects: The Agile business analyst. She details 30 achievable ways that such a role will increase relevance, quality and overall business value, and provide business users with crucial support. The Agile business analyst is also a boon to the development team, being a ready source of business knowledge and ensuring that project outcomes align with requirements. This book has been updated to: Incorporate behaviour-driven development into the work that the business analyst does to support interface design; Align the programme management strategies of the Scaled Agile Framework (SAFe) to encourage cross-organisational communication and participation; Include full updates throughout the Qualifications section in 'Getting the Right Agile Business Analyst for Your Team'; and Provide Agile updates, bringing the book back into line with current methods. Support your Agile business user for better project outcomes.

Agile Practice Guide – First Edition has been developed as a resource to understand, evaluate, and use agile and hybrid agile approaches. This practice guide provides guidance on when, where, and how to apply agile approaches and provides practical tools for practitioners and organizations wanting to increase agility. This practice guide is aligned with other PMI standards, including A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition, and was developed as the result of collaboration between the Project Management Institute and the Agile Alliance.

The Complete Guide to Managing Work Items and Workflow with IBM® Rational® ClearQuest® and IBM Rational Team Concert™ Work items are the lifeblood of software and hardware development. They tell development teams exactly who is doing what, which issues are resolved, which remain unresolved, and which products are impacted. In large, team-based projects, however, managing work items can be difficult. Now, two IBM Rational experts show how to simplify and improve every aspect of work item management with IBM Rational ClearQuest and the powerful and collaborative Jazz™-based products: IBM Rational Team Concert (RTC) and IBM Rational Quality Manager. Drawing on extensive experience with IBM customers, the authors tightly link theory with proven best practices, offering implementation guidance, detailed examples, and complete solutions. They present innovative solutions, introduce advanced customization techniques, and walk step-by-step through every phase of workflow development, from requirements through maintenance. They conclude with a full

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chapter of sample applications and solutions, ranging from Collaborative Application Lifecycle Management to SLAs. Coverage includes Understanding work items and their elements Using work items for changes, tasks, activities, test plans, test cases, risks, builds, and promotion Implementing best practices for work item application planning, analysis, design, development, testing, deployment, and maintenance Describing workflows, including advanced dynamic workflows Incorporating roles in work items and using them to meet business needs Using ClearQuest packages and custom integrations, and making the most of Jazz platform integration technology Getting the most of out the CQ-ALM schema Implementing effective quality and performance metrics, SLAs, and governance Improving test management with IBM Rational Quality Manager work items Creating effective workflows for Scrum and other Agile projects

The all-important first year - expert advice from the world's leading website for parents, Babycentre Produced with Babycentre - the world's leading parenting website - this up-to-the-minute guide to your child's first year, combines expert advice from health professionals with shared experience, suggestions and tips from parents, taken from the Babycentre online community. Covering all the essentials for your baby's first year, with a special focus on the most frequently discussed topics on Babycentre, from sleep to solids. Find out what to expect at every stage, with inspiring advice on bonding and practical care to keep your child happy and healthy, including an invaluable medical section. Packed with all the information and options you need to make informed choices

about what suits you and your baby through the first incredible months of life - from sleeping and feeding to crying and healthcare.

Agile: An Executive Guide describes Agile methods in clear business language specifically written for professionals. It will help you make realistic business-driven decisions on whether Agile methods are appropriate for your organisation; whether you are looking to reduce your IT overheads, provide better software solutions to your clients, or have more control over your IT expenditures. This guide provides practical, proven ways to introduce, incorporate and leverage Agile methods to maximise your business returns.

In this new edition of her award-winning book, Jamie Lynn Cooke reveals the secrets of the Agile methodologies that have revolutionized the way that many of the world's most successful companies operate. Written for business professionals and managers, the book explains the core principles of Agile, shows why these approaches work, and demonstrates how to use Agile to significantly increase productivity, quality, and customer satisfaction in any industry.

Lean Logic is David Fleming's masterpiece, the product of more than thirty years' work and a testament to the creative brilliance of one of Britain's most important intellectuals. A dictionary unlike any other, it leads readers through Fleming's stimulating exploration of fields as diverse as culture, history, science, art, logic, ethics, myth, economics, and anthropology, being made up of four hundred and four engaging essay-entries covering

topics such as Boredom, Community, Debt, Growth, Harmless Lunatics, Land, Lean Thinking, Nanotechnology, Play, Religion, Spirit, Trust, and Utopia. The threads running through every entry are Fleming's deft and original analysis of how our present market-based economy is destroying the very foundations--ecological, economic, and cultural--on which it depends, and his core focus: a compelling, grounded vision for a cohesive society that might weather the consequences. A society that provides a satisfying, culturally-rich context for lives well lived, in an economy not reliant on the impossible promise of eternal economic growth. A society worth living in. Worth fighting for. Worth contributing to. The beauty of the dictionary format is that it allows Fleming to draw connections without detracting from his in-depth exploration of each topic. Each entry carries intriguing links to other entries, inviting the enchanted reader to break free of the imposed order of a conventional book, starting where she will and following the links in the order of her choosing. In combination with Fleming's refreshing writing style and good-natured humor, it also creates a book perfectly suited to dipping in and out. The decades Fleming spent honing his life's work are evident in the lightness and mastery with which Lean Logic draws on an incredible wealth of cultural and historical learning--from Whitman to Whitefield, Dickens to Daly, Kropotkin to Kafka, Keats to Kuhn, Oakeshott to Ostrom, Jung to Jensen, Machiavelli to Mumford, Mauss to Mandelbrot, Leopold to Lakatos, Polanyi to Putnam, Nietzsche to Næss, Keynes to Kumar, Scruton to Shiva, Thoreau to Toynbee, Rabelais to Rogers, Shakespeare to

Schumacher, Locke to Lovelock, Homer to Homer-Dixon--in demonstrating that many of the principles it commends have a track-record of success long pre-dating our current society. Fleming acknowledges, with honesty, the challenges ahead, but rather than inducing despair, Lean Logic is rare in its ability to inspire optimism in the creativity and intelligence of humans to nurse our ecology back to health; to rediscover the importance of place and play, of reciprocity and resilience, and of community and culture. ----- Recognizing that Lean Logic's sheer size and unusual structure could be daunting, Fleming's long-time collaborator Shaun Chamberlin has also selected and edited one of the potential pathways through the dictionary to create a second, stand-alone volume, *Surviving the Future: Culture, Carnival and Capital in the Aftermath of the Market Economy*. The content, rare insights, and uniquely enjoyable writing style remain Fleming's, but presented at a more accessible paperback-length and in conventional read-it-front-to-back format.

This IBM® Redbooks® publication provides an example approach for an agile IT team to implement DevOps capabilities in their software delivery of a Java application. We introduce several tools that show how teams can achieve transparency, traceability, and automation in their application lifecycle to all of the stakeholders to deliver a high-quality application that meets its initial requirements. The application that is built highlights the composable and dynamic nature of the Liberty run time. The Liberty run time helps developers to get their applications up and running quickly by using only the

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programming model features that are required for their applications. The target audience for this book is IT developers, IT managers, IT architects, project managers, test managers, test developers, operations managers, and operations developers. To realize the full potential of micro- and nanoscale devices in system building, it is critical to develop systems engineering methodologies that successfully integrate stand-alone, small-scale technologies that can effectively interface with the macro world. So how do we accomplish this? Systems Engineering for Microscale and Nanoscale Technologies

Statistical Inference via Data Science: A Modern Dive into R and the Tidyverse provides a pathway for learning about statistical inference using data science tools widely used in industry, academia, and government. It introduces the tidyverse suite of R packages, including the ggplot2 package for data visualization, and the dplyr package for data wrangling. After equipping readers with just enough of these data science tools to perform effective exploratory data analyses, the book covers traditional introductory statistics topics like confidence intervals, hypothesis testing, and multiple regression modeling, while focusing on visualization throughout. Features:

- Assumes minimal prerequisites, notably, no prior calculus nor coding experience
- Motivates theory using real-world data, including all domestic flights leaving New York City in 2013, the Gapminder project, and the data journalism website, FiveThirtyEight.com
- Centers on simulation-based approaches to statistical inference rather than mathematical formulas
- Uses the infer package for "tidy" and transparent statistical inference to construct confidence intervals and conduct hypothesis tests via the bootstrap and permutation methods
- Provides all code and output embedded directly in the text; also available in the online version at moderndive.com

This book is intended for individuals who

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would like to simultaneously start developing their data science toolbox and start learning about the inferential and modeling tools used in much of modern-day research. The book can be used in methods and data science courses and first courses in statistics, at both the undergraduate and graduate levels.

Millions of readers remember *The Goal*, the landmark business novel that sets forth by way of story the essential principles of Eliyahu Goldratt's innovative methods of production. Now, from the AGI-Goldratt Institute and Jeff Cox, the same creative writer who co-authored *The Goal*, comes *VELOCITY*, the book that reveals how to achieve outstanding bottom-line results by integrating the world's three most powerful continuous improvement disciplines: Lean, Six Sigma, and Goldratt's Theory of Constraints. Used by the United States Navy and United States Marine Corps to dramatically improve some of the most complex, logistically vast supply chains in the world, the *VELOCITY APPROACH* draws on the strengths of all three disciplines to deliver breakthrough performance gains. In physics, speed with direction is velocity; in business, the application of *VELOCITY* means your organization can achieve operational speed with strategic direction to outmaneuver competitors, gain loyalty with customers, and rapidly build sustainable earnings growth -- in as little as one or two business quarters. Dee Jacob and Suzan Bergland, two principals of AGI, have been teaching the concepts, techniques, and tools of *VELOCITY* to major corporations, including Procter & Gamble, ITT, and Northrop Grumman, for years. Now they unlock the door for you to see how to apply their insights and methods to your organization -- be it business, not-for-profit, manufacturing, or service based -- in order to shorten lead times, slash inventories, reduce production variability, and increase sales. Writer Jeff Cox returns with the vivid, realistic style that made *The Goal* so

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readable yet so edifying. Thrust into the presidency of the subsidiary company where she has managed sales and marketing, Amy Cieolara is mandated by her corporate superiors to implement Lean Six Sigma (LSS) in order to appease a key customer. Assigned to help her is LSS Master Black Belt Wayne Reese, installed as her operations manager. But as time goes on and corporate pressure mounts, Amy finds she has to start thinking for herself -- and learning from everyone around her -- and she arrives at the series of steps that form the core of the VELOCITY APPROACH. VELOCITY offers keen insight into the human and organizational factors that so often derail growth while teaching you proven, practical techniques for restarting and revving up the internal engines of your company to reach new levels of success. Colorful characters, believable situations, and everything from dice games to AGI's "reality tree" techniques make this business novel a vital resource for everyone seeking to deliver business improvement in these challenging economic times -- and far into the future.

Scott was the first British novelist to discover in landscape a literary as well as a pictorial medium, an insight which he exploits to powerful effect in his Scottish novels. Mr Reed's book breaks new ground by demonstrating the originality of Scott's landscapes, in which romantic nature takes its place in a realistic context of people, history, architecture and traditions. The author shows how, as poet and novelist, Scott explores the notion of place to a depth where it operates not merely as dramatic background but as a force which shapes and directs the minds of its inhabitants. This study adds a new dimension to the understanding of Scott's work.

To support the broadening spectrum of project delivery approaches, PMI is offering A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition as a bundle with its latest, the Agile Practice Guide. The PMBOK® Guide – Sixth Edition now contains

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detailed information about agile; while the Agile Practice Guide, created in partnership with Agile Alliance®, serves as a bridge to connect waterfall and agile. Together they are a powerful tool for project managers. The PMBOK® Guide – Sixth Edition – PMI's flagship publication has been updated to reflect the latest good practices in project management. New to the Sixth Edition, each knowledge area will contain a section entitled Approaches for Agile, Iterative and Adaptive Environments, describing how these practices integrate in project settings. It will also contain more emphasis on strategic and business knowledge—including discussion of project management business documents—and information on the PMI Talent Triangle™ and the essential skills for success in today's market. Agile Practice Guide has been developed as a resource to understand, evaluate, and use agile and hybrid agile approaches. This practice guide provides guidance on when, where, and how to apply agile approaches and provides practical tools for practitioners and organizations wanting to increase agility. This practice guide is aligned with other PMI standards, including A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition, and was developed as the result of collaboration between the Project Management Institute and the Agile Alliance.

A practical guide to using modern software effectively in quantitative research in the social and natural sciences. This book offers a practical guide to the computational methods at the heart of most modern quantitative research. It will be essential reading for research assistants needing hands-on experience; students entering PhD programs in business, economics, and other social or natural sciences; and those seeking quantitative jobs in industry. No background in computer science is assumed; a learner need only have a computer with access to the Internet. Using the example as its principal pedagogical device, the book offers tried-and-

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true prototypes that illustrate many important computational tasks required in quantitative research. The best way to use the book is to read it at the computer keyboard and learn by doing. The book begins by introducing basic skills: how to use the operating system, how to organize data, and how to complete simple programming tasks. For its demonstrations, the book uses a UNIX-based operating system and a set of free software tools: the scripting language Python for programming tasks; the database management system SQLite; and the freely available R for statistical computing and graphics. The book goes on to describe particular tasks: analyzing data, implementing commonly used numerical and simulation methods, and creating extensions to Python to reduce cycle time. Finally, the book describes the use of LaTeX, a document markup language and preparation system.

This book is a gentle, conversational, and opinionated introduction to kanban and pulls systems in Scrumban. It focuses on not just what kanban is, but how to make the most of it in software development. Coming from a Scrum background it was really easy to understand how Kanban could make a difference and how the combination of the two approaches could bring added value to a team with the right maturity level in Scrum. It provides a series of essays that give practitioners the background needed to create more robust practices combining the best of agile and lean.

Over a half-million sold! The sequel, *The Unicorn Project*, is coming Nov 26 “Every person involved in a failed IT project should be forced to read this book.”—TIM O’REILLY, Founder & CEO of O’Reilly Media “The Phoenix Project is a must read for business and IT executives who are struggling with the growing complexity of IT.”—JIM WHITEHURST, President and CEO, Red Hat, Inc. Five years after this sleeper hit took on the world of IT and

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flipped it on its head, the 5th Anniversary Edition of *The Phoenix Project* continues to guide IT in the DevOps revolution. In this newly updated and expanded edition of the bestselling *The Phoenix Project*, co-author Gene Kim includes a new afterword and a deeper delve into the Three Ways as described in *The DevOps Handbook*. Bill, an IT manager at Parts Unlimited, has been tasked with taking on a project critical to the future of the business, code named Phoenix Project. But the project is massively over budget and behind schedule. The CEO demands Bill must fix the mess in ninety days or else Bill's entire department will be outsourced. With the help of a prospective board member and his mysterious philosophy of The Three Ways, Bill starts to see that IT work has more in common with a manufacturing plant work than he ever imagined. With the clock ticking, Bill must organize work flow streamline interdepartmental communications, and effectively serve the other business functions at Parts Unlimited. In a fast-paced and entertaining style, three luminaries of the DevOps movement deliver a story that anyone who works in IT will recognize. Readers will not only learn how to improve their own IT organizations, they'll never view IT the same way again. "This book is a gripping read that captures brilliantly the dilemmas that face companies which depend on IT, and offers real-world solutions."—JEZ HUMBLE, Co-author of *Continuous Delivery*, *Lean Enterprise*, *Accelerate*, and *The DevOps Handbook* ——— "I'm delighted at how *The Phoenix Project* has reshaped so many conversations in technology. My goal in writing *The Unicorn Project* was to explore and reveal the necessary but invisible structures required to make developers (and all engineers) productive, and reveal the devastating effects of technical debt and complexity. I hope this book can create common ground for technology and business leaders to leave the past behind, and co-create a better future together."—Gene Kim,

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This publication is in collaboration with the University of Buckingham and is the result of a combined research and review process carried out by the three Editors who belongs to the University of Ferrara, Italy, the University of Buckingham, UK and Swansea University, UK. The book deepens the debate about the lean enterprise from both an academic and a professional management perspective. It thus provides the reader with a sound understanding of the modern lean enterprise and its current evolution. A range of innovative topics are covered, with individual chapters addressing the combinations of lean with hoshin kanri, green management, IT, organizational learning, flow accounting, system thinking, problem solving, internationalization aspects, luxury industry, and product innovation. Since the term “lean” first entered contemporary operations management language in 1990 to describe a set of practices proven to deliver superior performance over mass production systems, the lean approach to waste reduction and value generation has moved from vehicle production to other manufacturing sectors. It has reshaped the support functions of manufacturing businesses and has evolved from private industry into the public sector. Lean thinking is now a dominant model of operations management and has brought with it a new language and toolbox.

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Discover what is involved with Lean Software Development and Kanban so that you can more efficiently deliver software to your customers. Incorporating Lean Manufacturing and Lean IT principles and practices are essential to delivering software to your customers quickly and easily. This book, A Gentle Introduction to Lean Software Development, will help you understand how the lean principles can be applied to software development, Lean Software Architecture and Lean Software Strategies, so that you can more efficiently deliver software to your customers. In this book you will learn about... Lean Manufacturing Lean Software Development Applying Lean Software Development? Agile Software Development vs. Lean Software Development Software Practices to Support Lean Kanban About the Author Stephen Haunts is an experienced software developer with a focus on Microsoft .NET technologies and security for back-end enterprise systems. Stephen is also a Pluralsight Author, blogger at www.stephenhaunts.com, writer and international conference speaker at events like NDC London, NDC Oslo, NDC Sydney, Techorama and SDD Conf. Stephen also runs a user group called Derbyshire Dot Net in the UK. Project Management in Product Development: Leadership Skills and Management Techniques to Deliver Great Products is written for new and aspiring project managers in product development. Although texts on project

management are common, the material presented here is unique, instead focusing on product development, a challenging segment of project management because of the high level of uncertainty, the need for a robust set of problem-solving techniques, and a demand for broad cross-functional teams. The book also focuses on more than just project management techniques, including a thorough treatment of transformational and transactional leadership. Other topics covered include problem-solving techniques, development, and continuous improvement of processes required in product development, risk recognition and management, and proper communication with managers and other stakeholders. Finally, project management techniques used in product development are presented, including the critical path method, scrum and XP, and Kanban/lean project development, along with the strengths and weaknesses of each. Provides ways to successfully manage product development projects by teaching traditional and advanced project management techniques like Gantt, CPM, Agile, Lean, and others Covers transformational and transactional leadership, how to create a vision and engage the team, as well as tactics on how to manage a complex set of tasks Uses a practical, common sense approach to the day-to-day activities of a project manager, including project planning, project process development, problem-solving, project portfolio management, reporting, and

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more Presents a thorough comparison of popular project management tools
Includes many examples, cases, and side-bars that are included throughout the book

The overall objective of this book is to show that data management is an exciting and valuable capability that is worth time and effort. More specifically it aims to achieve the following goals: 1. To give a “gentle” introduction to the field of DM by explaining and illustrating its core concepts, based on a mix of theory, practical frameworks such as TOGAF, ArchiMate, and DMBOK, as well as results from real-world assignments. 2. To offer guidance on how to build an effective DM capability in an organization. This is illustrated by various use cases, linked to the previously mentioned theoretical exploration as well as the stories of practitioners in the field. The primary target groups are: busy professionals who “are actively involved with managing data”. The book is also aimed at (Bachelor’s/ Master’s) students with an interest in data management. The book is industry-agnostic and should be applicable in different industries such as government, finance, telecommunications etc. Typical roles for which this book is intended: data governance office/ council, data owners, data stewards, people involved with data governance (data governance board), enterprise architects, data architects, process managers, business analysts and IT analysts. The book

is divided into three main parts: theory, practice, and closing remarks.

Furthermore, the chapters are as short and to the point as possible and also make a clear distinction between the main text and the examples. If the reader is already familiar with the topic of a chapter, he/she can easily skip it and move on to the next.

Dependent types are a powerful concept that allow us to write proof-carrying code. Idris is a programming language that supports dependent types. We will learn about the mathematical foundations, and then write correct software and mathematically prove properties about it. This book aims to be accessible to novices, and no prior experience beyond high school mathematics is needed. Thus, this book is written in a way to be self-contained. The first part of this book serves as an introduction to the theory behind Idris, while the second part is a practical introduction to Idris with examples.

Building on their breakthrough bestsellers *Lean Software Development* and *Implementing Lean Software Development*, Mary and Tom Poppendieck's latest book shows software leaders and team members exactly how to drive high-value change throughout a software organization—and make it stick. They go far beyond generic implementation guidelines, demonstrating exactly how to make lean work in real projects, environments, and companies. The Poppendiecks

organize this book around the crucial concept of frames, the unspoken mental constructs that shape our perspectives and control our behavior in ways we rarely notice. For software leaders and team members, some frames lead to long-term failure, while others offer a strong foundation for success. Drawing on decades of experience, the authors present twenty-four frames that offer a coherent, complete framework for leading lean software development. You'll discover powerful new ways to act as competency leader, product champion, improvement mentor, front-line leader, and even visionary. Systems thinking: focusing on customers, bringing predictability to demand, and revamping policies that cause inefficiency Technical excellence: implementing low-dependency architectures, TDD, and evolutionary development processes, and promoting deeper developer expertise Reliable delivery: managing your biggest risks more effectively, and optimizing both workflow and schedules Relentless improvement: seeing problems, solving problems, sharing the knowledge Great people: finding and growing professionals with purpose, passion, persistence, and pride Aligned leaders: getting your entire leadership team on the same page From the world's number one experts in Lean software development, *Leading Lean Software Development* will be indispensable to everyone who wants to transform the promise of lean into reality—in enterprise IT and software companies alike.

A Gentle Introduction to Lean Software Development

This marvelous book, borne of a unique collaboration between Dr. Allen Schoen—a world-renowned veterinarian and author—and trainer and competitor of many years Susan Gordon, introduces the 25 Principles of Compassionate Equitation. These Principles, conceived by Dr. Schoen and Gordon, are a set of developmental guidelines, encouraging a level of personal awareness that may be enacted not only through the reader's engagement with horses, but can be extended to all humans and sentient beings he or she encounters. The 25 Principles share stories and outline current, peer-reviewed studies that identify and support methods of training, handling, and caring for horses that constitute a safe, healthy, non-stressful, and pain-free environment. Through their Compassionate Equestrian program, the authors encourage all involved in the horse industry to approach training and handling with compassion and a willingness to alleviate suffering. By developing deeper compassion for their own horses, and subsequently, all equines, equestrians transcend their differences in breed preferences, riding disciplines, and training methodologies. This leads to the ability to empathize and connect more closely with the “global collective” of horses and horse people. In doing so, a worldwide community of compassionate equine practitioners and horse owners will emerge, which will not only benefit the

horses: People involved with horses are found in many influential segments of society and have the potential to affect wide circles of friends, acquaintances, and co-workers from every walk of life. These are simple changes any horse person can make that can have a vast impact on the horse industry and society as a whole.

A practical guide to implementing Value Stream Management to guide your strategic investments in DevOps capabilities and deliver customer-centric value quickly and economically Key Features Address DevOps implementation issues, including culture, toolchain costs, improving work and information flows, and product team alignment Implement proven VSM methodology to improve IT value stream flows Leverage VSM platforms to view, analyze, and improve end-to-end value delivery Book Description Value Stream Management (VSM) opens the door to maximizing your DevOps pipeline investments by improving flows and eliminating waste. VSM and DevOps together deliver value stream improvements across enterprises for a competitive advantage in the digital world. Driving DevOps with Value Stream Management provides a comprehensive review and analysis of industry-proven VSM methods and tools to integrate, streamline, and orchestrate activities within a DevOps-oriented value stream. You'll start with an introduction to the concepts of delivering value and understand how VSM

methods and tools support improved value delivery from a Lean production perspective. The book covers the complexities of implementing modern CI/CD and DevOps pipelines and then guides you through an eight-step VSM methodology with the help of a use case showing an Agile team's efforts to install a CI/CD pipeline. Free from marketing hype or vendor bias, this book presents the current VSM tool vendors and customer use cases that showcase their products' strengths. As you advance through the book, you'll learn four approaches to implementing a DevOps pipeline and get guidance on choosing the best fit. By the end of this VSM book, you'll be ready to develop and execute a plan to streamline your software delivery pipelines and improve your organization's value stream delivery. What you will learn Integrate Agile, systems thinking, and lean development to deliver customer-centric value Find out how to choose the most appropriate value stream for your initial and follow-on VSM projects Establish better flows with integrated, automated, and orchestrated DevOps and CI/CD pipelines Apply a proven eight-step VSM methodology to drive lean IT value stream improvements Discover the key strengths of modern VSM tools and their customer use case scenarios Understand how VSM drives DevOps pipeline improvements and value delivery transformations across enterprises Who this book is for This book will help corporate executives,

managers, IT team members, and other stakeholders involved in digital business transformations to improve the flow of customer value through their IT-based value streams. It will provide you with the practical guidance you need while adopting Lean-Agile, Value Stream Management, and DevOps capabilities on an enterprise scale to enable business agility. A basic understanding of how CI/CD and DevOps pipelines improve software delivery capabilities via integrated and automated toolchains will help you to make the most of the book.

Drawing on her own long-term research and extensive work experience, Janice Klein reveals how the power of people (insiders who are able to see problems from outsider's perspective), approach ("pulling change"), and system (support infrastructure) combine to turn new ideas and concepts into institutionalized practices. In particular, certain people inside organizations "outsiders on the inside" are key to driving innovation, adaptation, and real change. Using examples from leading companies in MIT's Leaders for Manufacturing (LFM) and System Design and Management (SDM) Partnership -- such as Boeing, Intel, Motorola, Alcoa, Ford, Kodak, and others -- she shows how employees at all levels can learn how to become "an outsider on the inside," and be in the right place at the right time to discover opportunities to "pull" into their organization. Throughout, we grow to understand the perspectives of numerous "outsiders on

the inside," by hearing their voices and observing their actions. The strategy Klein provides is relevant for any company that hopes to build a change capability, rather than attempt only to manage change.

Scaling Scrum Across the Modern Enterprise covers both conceptual and commercial approaches to scaling agile, most of which build off the base Scrum framework. You will learn commercialized approaches created specifically to implement agile development concepts, values, and principles on larger and more complex development portfolios, ...

All Black legend Buck Shelford was the epitome of brute strength, determination and athletic prowess. It was a shock to New Zealand sports fans, then, when he was diagnosed with lymphatic cancer in 2005, which he subsequently overcame with treatment. More recently, after a public battle with his weight, Buck successfully shed over 25 kilos. Accessible and user-friendly, Buck Up draws on Buck's personal experience with health issues, but goes far beyond - along with highly regarded sports scientist Dr Grant Schofield, Buck offers a wide array of information and realistic tips to improve the quality of life for Kiwi males and their loved ones. A book full of big ideas and practical advice, as well as a good dose of blokey humour, Buck Up promises to positively alter awareness of and approaches to men's health, for both everyday males and practitioners.

Most startups fail. But many of those failures are preventable. The Lean Startup is a new approach being adopted across the globe, changing the way companies are built and new products are launched. Eric Ries defines a startup as an organization dedicated to creating something new under conditions of extreme uncertainty. This is just as true for one person in a garage or a group of seasoned professionals in a Fortune 500 boardroom. What they have in common is a mission to penetrate that fog of uncertainty to discover a successful path to a sustainable business. The Lean Startup approach fosters companies that are both more capital efficient and that leverage human creativity more effectively. Inspired by lessons from lean manufacturing, it relies on “validated learning,” rapid scientific experimentation, as well as a number of counter-intuitive practices that shorten product development cycles, measure actual progress without resorting to vanity metrics, and learn what customers really want. It enables a company to shift directions with agility, altering plans inch by inch, minute by minute. Rather than wasting time creating elaborate business plans, The Lean Startup offers entrepreneurs—in companies of all sizes—a way to test their vision continuously, to adapt and adjust before it's too late. Ries provides a scientific approach to creating and managing successful startups in a age when companies need to innovate more than ever.

Agile techniques have demonstrated immense potential for developing more effective, higher-quality software. However, scaling these techniques to the enterprise presents many challenges. The solution is to integrate the principles and practices of Lean Software Development with Agile's ideology and methods. By doing so, software organizations leverage Lean's powerful capabilities for "optimizing the whole" and managing complex enterprise projects. A combined "Lean-Agile" approach can dramatically improve both developer productivity and the software's business value. In this book, three expert Lean software consultants draw from their unparalleled experience to gather all the insights, knowledge, and new skills you need to succeed with Lean-Agile development. Lean-Agile Software Development shows how to extend Scrum processes with an Enterprise view based on Lean principles. The authors present crucial technical insight into emergent design, and demonstrate how to apply it to make iterative development more effective. They also identify several common development "anti-patterns" that can work against your goals, and they offer actionable, proven alternatives. Lean-Agile Software Development shows how to Transition to Lean Software Development quickly and successfully Manage the initiation of product enhancements Help project managers work together to manage product portfolios more effectively Manage dependencies across the

Read Online A Gentle Introduction To Lean Software Development Lean Software Development Agile Software Development Kanban Lean Software Architecture Lean Software Strategies Poppendieck

software development organization and with its partners and colleagues Integrate development and QA roles to improve quality and eliminate waste Determine best practices for different software development teams The book's companion Web site, www.netobjectives.com/lasd, provides updates, links to related materials, and support for discussions of the book's content.

PRINCE2 Agile: An Implementation Pocket Guide is an official AXELOS-licensed guide that explains the PRINCE2 Agile framework in clear business language with practical guidance on how to implement this framework for any project in your organisation. It is ideal for those who need a readily available reference source to supplement the official AXELOS PRINCE2 Agile guide.

Outlines a revisionist approach to management while arguing against common perceptions about the inevitability of startup failures, explaining the importance of providing genuinely needed products and services as well as organizing a business that can adapt to continuous customer feedback.

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