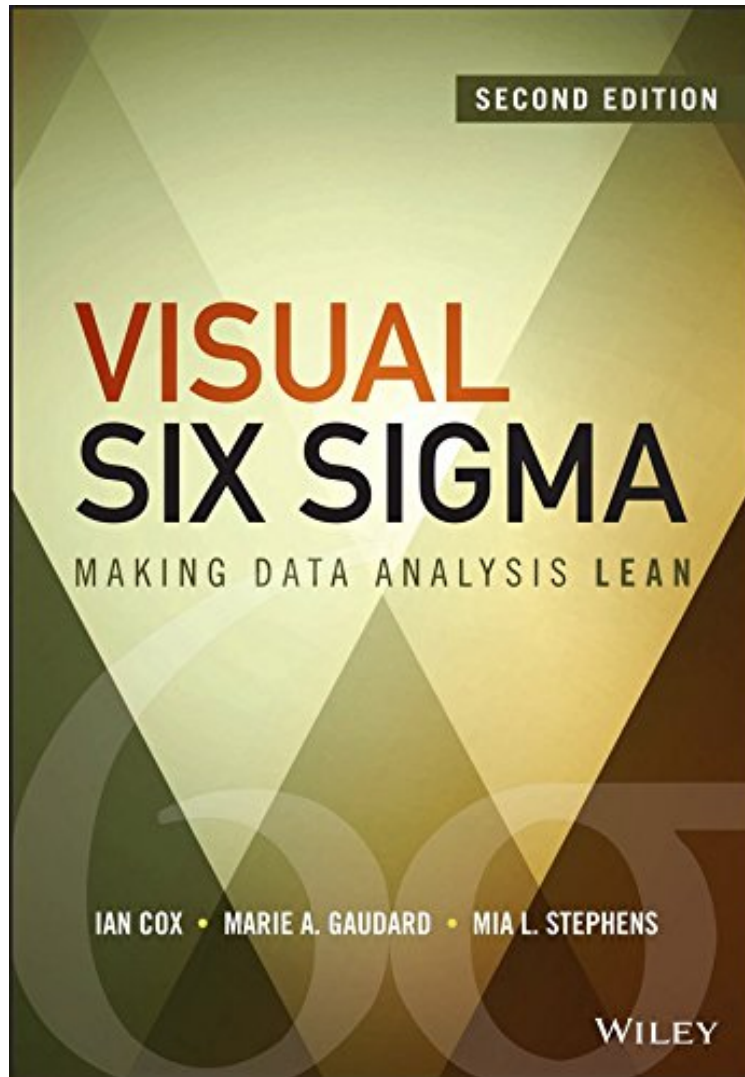


[Ebook pdf] Visual Six Sigma: Making Data Analysis Lean (Wiley and SAS Business Series)

Visual Six Sigma: Making Data Analysis Lean (Wiley and SAS Business Series)

Ian Cox, Marie A. Gaudard, Mia L. Stephens
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Ian Cox, Marie A. Gaudard, Mia L. Stephens : Visual Six Sigma: Making Data Analysis Lean (Wiley and SAS Business Series) before purchasing it in order to gage whether or not it would be worth my time, and all praised Visual Six Sigma: Making Data Analysis Lean (Wiley and SAS Business Series):

Streamline data analysis with an intuitive, visual Six Sigma strategy Visual Six Sigmanbsp;provides the statistical techniques that help you get more information from your data. A unique emphasis on the visual allows you to take a more active role in data-driven decision making, so you can leverage your contextual knowledge to pose relevant

questions and make more sound decisions. You'll learn dynamic visualization and exploratory data analysis techniques that help you identify occurrences and sources of variation, and the strategies and processes that make Six Sigma work for your organization. The Six Sigma strategy helps you identify and remove causes of defects and errors in manufacturing and business processes; the more pragmatic Visual approach opens the strategy beyond the realms of statisticians to provide value to all business leaders amid the growing need for more accessible quality management tools. See where, why, and how your data varies Find clues to underlying behavior in your data Identify key models and drivers Build your own Six-Sigma experience Whether your work involves a Six Sigma improvement project, a design project, a data-mining inquiry, or a scientific study, this practical breakthrough guide equips you with the skills and understanding to get more from your data. With intuitive, easy-to-use tools and clear explanations, Visual Six Sigma is a roadmap to putting this strategy to work for your company.

From the Inside Flap Using the three fundamental principles outlined in Visual Six Sigma: Making Data Analysis Lean, you can exploit your data to make sound decisions more quickly and easily than you would otherwise. Visual Six Sigma is a widely used approach for discovering new and useful knowledge using interactive, dynamic graphical displays. This updated Second Edition takes advantage of interim developments in JMP that make the implementation of Visual Six Sigma even easier, further increasing the scope and efficacy of its application. In particular, this new edition presents brand-new material on managing data quality and shows you how to use tools available in the latest version of JMP. Even without formal training or support in Six Sigma, an associate or team can use Visual Six Sigma to solve problems, improve processes, and make better and more robust data-driven decisions. This new edition gives you everything you need—the strategies, process, and blueprint to use and share this proven approach—helping your company to better leverage data to promote innovation or search for good solutions to difficult problems. The book contains: Six real-world case studies that can be studied independently, and which trace the path from problem to solution. Step-by-step instructions and scripts that teach you how to unleash the power of JMP 12. A companion website provides the data used in each case study as well as scripts to perform the analysis and extend JMP's capabilities. Use this book to: Master the use of visualization to support such techniques as measurement system analysis, analysis of designed experiments, statistical modeling, response optimization, simulation, and data mining. Develop expert control over the powerful JMP statistical software. Gain firsthand insight into the innovative ways real companies are using Visual Six Sigma. With your enhanced Visual Six Sigma expertise, you will be able to discern the important and useful patterns of variation in your data, enabling you to improve processes, connect with customer needs and expectations, react to emerging market trends, and seize opportunities for growth. And now that "big data" is here and only getting bigger, Visual Six Sigma: Making Data Analysis Lean, Second Edition, is needed more than ever to help you focus on the relevant and important data and to use this data effectively. From the Back Cover LEVERAGE YOUR DATA TO MAKE BETTER DECISIONS—FASTER Visual Six Sigma, Second Edition, allows you to make sound business decisions faster by understanding the patterns of variation in your data and separating it into useful signals and random noise. Leading with a visual approach to analysis, it presents underlying principles, concepts, and a detailed roadmap that enable you to take an active role in data-driven process improvement and decision making. It empowers you to use your contextual knowledge to pose relevant questions, get good answers, and make sound decisions. Like the first edition, the second edition of this groundbreaking book guides you in how to use JMP, intuitive desktop software from SASreg;, to create visual representations of data that promote discoveries and deeper understanding, and facilitate communication of the resulting new knowledge. Complete with an updated companion website offering supporting materials, this revised and expanded edition features: New chapters on data quality and how to personalize and extend JMP. Revised case studies with detailed instructions and illustrative screenshots demonstrating the latest functionalities in JMP and JMP Pro, version 12. Use these case studies, along with a free trial of a fully functional version of JMP, to experience the competitive advantage that comes with visual exploration of your data. Let Visual Six Sigma: Making Data Analysis Lean, Second Edition, provide the roadmap that guides your next important innovation or decision. About the Author IAN COX is with the JMP Division of SAS. MARIE A. GAUDARD is a statistical consultant, and a statistical documentation writer for the JMP Division of SAS. MIA L. STEPHENS is with the JMP Division of SAS.