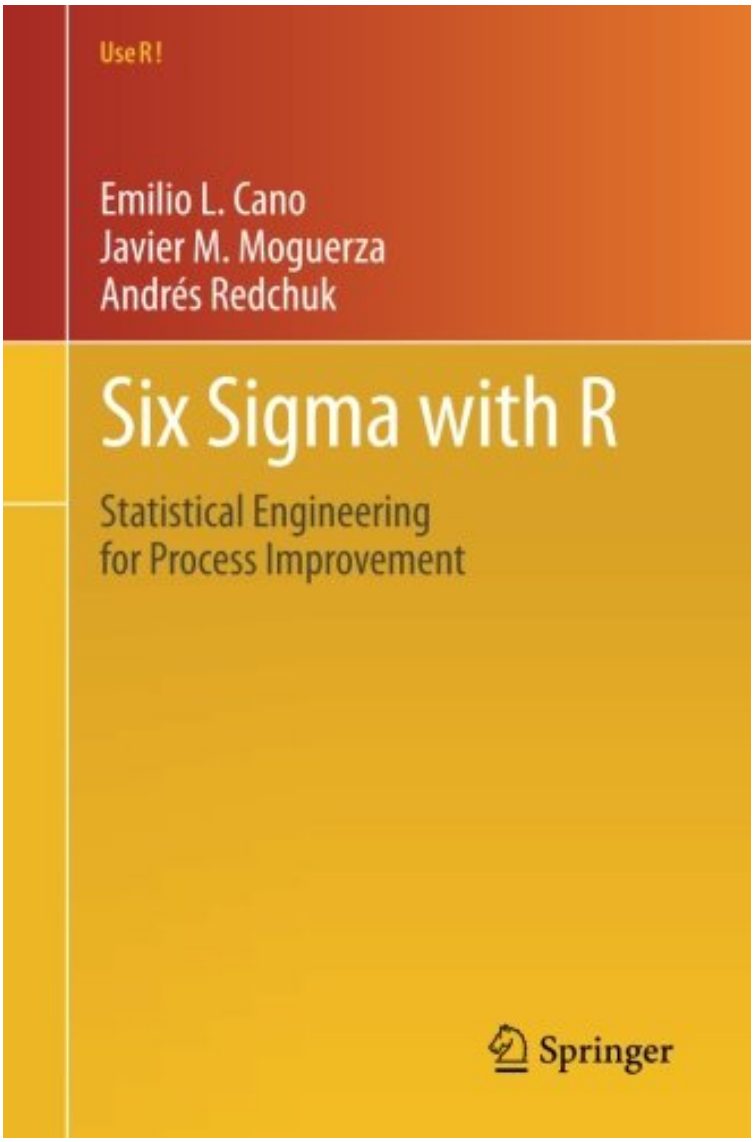
Six Sigma with R: Statistical Engineering for Process Improvement (Use R!)

Emilio L. Cano, Javier Martinez Moguerza, Andrs Redchuk



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Emilio L. Cano, Javier Martinez Moguerza, Andrs Redchuk : Six Sigma with R: Statistical Engineering for Process Improvement (Use R!) before purchasing it in order to gage whether or not it would be worth my time, and all praised Six Sigma with R: Statistical Engineering for Process Improvement (Use R!):

2 of 2 people found the following review helpful. Fantastic Intro to Six Sigma Using R !!!By con menictasSix Sigma

is a vast field requiring years of study and practise to master. The statistical and analytical tools used in Six Sigma are difficult to access unless specialised software is used, and in most cases except one specific piece of software, the tools are scattered at best requiring practitioners to use multiple pieces of software. This book is a fantastic introduction into Six Sigma and the tools that provide for Six Sigma analytics using R, a free and platform independent statistical software. Six Sigma with R provides the reader with immediately accessible code and frees the user from their dependence on expensive corporate software. Well done to the author and hope to see an advanced version soon!0 of 0 people found the following review helpful. Five StarsBy ABVery very good job. This is a must have for black belts or any process improvement field.

Six Sigma has arisen in the last two decades as a breakthrough Quality Management Methodology. With Six Sigma, we are solving problems and improving processes using as a basis one of the most powerful tools of human development: the scientific method. For the analysis of data, Six Sigma requires the use of statistical software, being R an Open Source option that fulfills this requirement. R is a software system that includes a programming language widely used in academic and research departments. Nowadays, it is becoming a real alternative within corporate environments. The aim of this book is to show how R can be used as the software tool in the development of Six Sigma projects. The book includes a gentle introduction to Six Sigma and a variety of examples showing how to use R within real situations. It has been conceived as a self contained piece. Therefore, it is addressed not only to Six Sigma practitioners, but also to professionals trying to initiate themselves in this management methodology. The book may be used as a text book as well.

From the book reviews:The reviewed book deals with the use of R software within six sigma methodology. To help a practitioner read this book, the authors conclude each chapter with a summary and further reading, case studies, and practical exercises. The authors have combined their scientific, technological, industrial, and pedagogical skills so that the reader finds in the book an innovative, rigorous, and economical way to apply Six Sigma methodology to continuous quality improvement. (Adriana Hornkov, Technometrics, Vol. 55 (1), February, 2013)From the Back CoverSix Sigma has arisen in the last two decades as a breakthrough Quality Management Methodology. With Six Sigma, we are solving problems and improving processes using as a basis one of the most powerful tools of human development: the scientific method. For the analysis of data, Six Sigma requires the use of statistical software, being R an Open Source option that fulfills this requirement. R is a software system that includes a programming language widely used in academic and research departments. Nowadays, it is becoming a real alternative within corporate environments. The aim of this book is to show how R can be used as the software tool in the development of Six Sigma projects. The book includes a gentle introduction to Six Sigma and a variety of examples showing how to use R within real situations. It has been conceived as a self contained piece. Therefore, it is addressed not only to Six Sigma practitioners, but also to professionals trying to initiate themselves in this management methodology. The book may be used as a text book as well.About the AuthorEmilio L. Cano is Adjunct Lecturer at the Department of Mathematics at University of Castilla-La Mancha and Research Assistant Professor at the Department of Statistics and Operations Research at University Rey Juan Carlos. Javier M. Moguerza is Associate Professor in Statistics and Operations Research at University Rey Juan Carlos and member of the Global Young Academy. Andres Redchuk is Master Black Belt and Research Assistant Professor at the Department of Statistics and Operations Research at University Rey Juan Carlos.