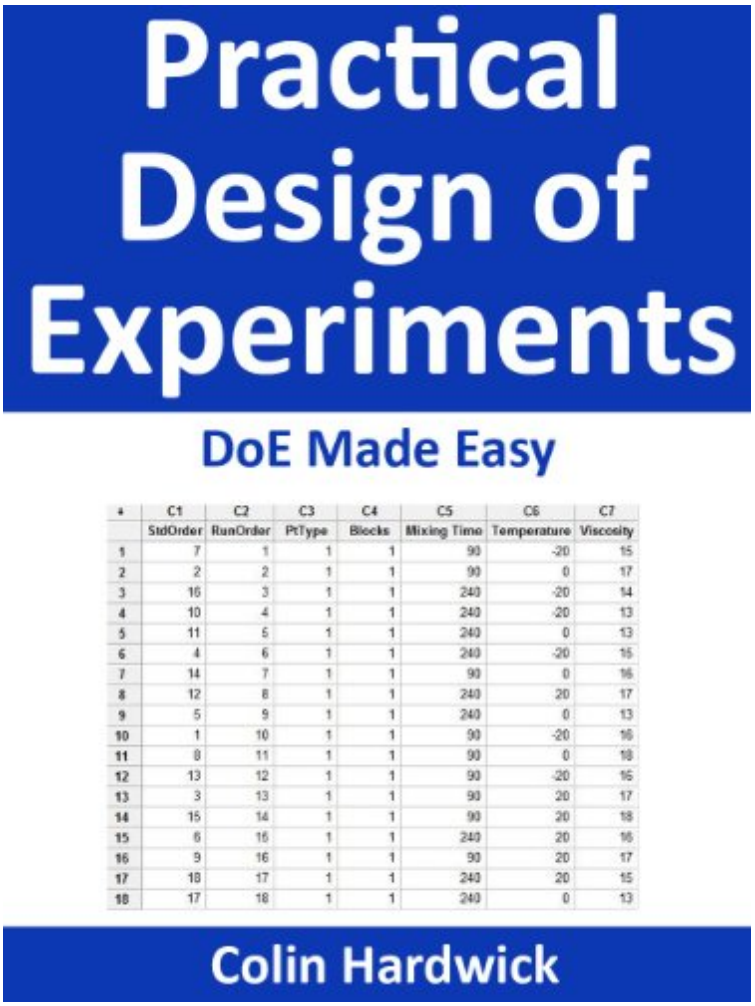
Practical Design of Experiments - DoE Made Easy! (Statistics for Engineers) (English Edition)



Par Colin Hardwick
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Par Colin Hardwick : Practical Design of Experiments - DoE Made Easy! (Statistics for Engineers) (English Edition) before purchasing it in order to gage whether or not it would be worth my time, and all praised Practical Design of Experiments - DoE Made Easy! (Statistics for Engineers) (English Edition):

Description :

Prsentation de l'diteurThe tools and technique used in the Design of Experiments (DOE) have been used around the world to solve seemingly impossible problems in science and engineering. The majority of engineers and scientists have had little exposure to this important technique and this book has been written with the authors 30 years experience in practical design of experiments aimed squarely at practising engineers and scientists rather than statisticians and mathematicians.Practical Design of Experiments takes a graphical approach using a software tool called Minitab. The author concentrates on each step of using the technique with explanations along the way of each decision point.Readers will find this guide both practical and useful, with copious screenshots of the software in use and clear precise explanations.The emphasis is

on quantifying the effects of a number of variables before optimising them.Key points:* Provides tools and techniques for practical business and process improvement.* Introduces screenshots and explanations for each step of designing an experiment, carrying out an experiment and then analysing the results.* A worked example, again explained step by step with advice from the author at each step.This book will be extremely useful to engineers and scientists who want to solve quality, process and manufacturing problems quickly and easily.About the AuthorColin Hardwick is the leading expert in the practical use of Design of Experiments in the UK. He holds a Masters Degree in Manufacturing Systems from Warwick University and a Bachelors Degree in Mechanical Engineering from Sheffield. He has trained people extensively in Design of Experiments and is Managing Director of Hardwick Consultants Ltd. A qualified Master Black Belt in Lean Six Sigma, he has also worked for other major companies such as Chemring PLC, Rolls-Royce and GEC.Prsentation de l'diteurThe tools and technique used in the Design of Experiments (DOE) have been used around the world to solve seemingly impossible problems in science and engineering. The majority of engineers and scientists have had little exposure to this important technique and this book has been written with the authors 30 years experience in practical design of experiments aimed squarely at practising engineers and scientists rather than statisticians and mathematicians.Practical Design of Experiments takes a graphical approach using a software tool called Minitab. The author concentrates on each step of using the technique with explanations along the way of each decision point.Readers will find this guide both practical and useful, with copious screenshots of the software in use and clear precise explanations.The emphasis is on quantifying the effects of a number of variables before optimising them.Key points:* Provides tools and techniques for practical business and process improvement.* Introduces screenshots and explanations for each step of designing an experiment, carrying out an experiment and then analysing the results.* A worked example, again explained step by step with advice from the author at each step.This book will be extremely useful to engineers and scientists who want to solve quality, process and manufacturing problems quickly and easily.About the AuthorColin Hardwick is the leading expert in the practical use of Design of Experiments in the UK. He holds a Masters Degree in Manufacturing Systems from Warwick University and a Bachelors Degree in Mechanical Engineering from Sheffield. He has trained people extensively in Design of Experiments and is Managing Director of Hardwick Consultants Ltd. A qualified Master Black Belt in Lean Six Sigma, he has also worked for other major companies such as Chemring PLC, Rolls-Royce and GEC.Biographie de l'auteurColin Hardwick started his career in the lighting industry and quickly moved into the Quality field before becoming a Master Black Belt in Lean six Sigma. His next move took him into Rolls-Royce working on the design and supply of nuclear reactors for Britain's submarine fleet and he rose to become Quality Business Improvement Manager after spells as Production Manager and Design Manager. Chemring plc then offered a chance to become Quality Business Director in their European Division working on the design and supply of explosive products and he later became responsible for Engineering Technology in addition to Quality Business Improvement. In 2013 he set up his own consultancy specialising in quality improvements - Hardwick Consultants Ltd. He has used Design of Experiments to solve a multitude of problems in all three industries, saving millions of pounds in the process.