

***Statistics & Data Analysis Concepts
With EXCEL and MINITAB® Applications***

written by:

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Learn basic to advanced statistics and data analysis techniques used in Six Sigma. This book has the following chapters and content.

Chapter 1	Basic Statistical Concepts
Chapter 2	Descriptive statistics: Graphical Methods
Chapter 3	Descriptive Statistics: Numerical Methods
Chapter 4	Probability Theory
Chapter 5	Discrete Probability Distributions
Chapter 6	Continuous Probability distributions
Chapter 7	Sampling and Sampling Distributions
Chapter 8	Estimation: Confidence Interval
Chapter 9	Hypothesis Testing: Inference Procedures for Single Population Parameters
Chapter 10	Hypothesis Testing: Inference Procedure for Two Population Parameters
Chapter 11	Analysis of Variance (ANOVA)
Chapter 12	Goodness-of-fit Tests and Tests for Independence
Chapter 13	Simple Linear Regression
Chapter 14	Multiple Regression
Chapter 15	Regression Analysis and Model Building
Chapter 16	Design of Experiments and Modeling
Chapter 17	Nonparametric Tests
Chapter 18	Statistical Methods for Quality Control
Chapter 19	Introduction to Quality, Six Sigma and Lean Six Sigma

Every Chapter Contains:

- Numerous Examples within the Chapter
- Self-test Problems
- Solutions to Self-test Problems
- End of Chapter Exercises
- Solutions to End of Chapter Exercises
- True-false Questions
- Multiple Choice Questions
- Solutions to True-false and Multiple Choice Questions
- Computer Applications using MINITAB
- Computer Applications using EXCEL
- Data Files for Chapter Exercises
- Data Files for Computer Application Exercises
- Practice Tests
- Solutions to Practice Tests

This book is in use for several years in undergraduate and graduate and training courses in Statistics and Data Analysis.