

- 1 The Role of Statistics in Engineering
- 2 Probability
- 7 Point Estimation of Parameters
- Appendix A Statistical Tables and Charts
- 3 Discrete Random Variables and Probability Distributions
- 8 Statistical Intervals for a Single Sample
- 12 Multiple Linear Regression
- 13 Design and Analysis of Single-Factor Experiments: The Analysis of Variance
- 4 Continuous Random Variables and Probability Distributions
- 10 Statistical Inference for Two Samples
- 14 Design of Experiments with Several Factors
- 5 Joint Probability Distributions
- 6 Random Sampling and Data Description
- 11 Simple Linear Regression and Correlation
- 16 Statistical Quality Control
- 9 Tests of Hypotheses for a Single Sample
- 15 Nonparametric Statistics
- Appendix B Answers to Selected Exercises
- Appendix C Bibliography (online)
- Glossary
- Index
- Problem Solutions