Brief Contents

1 The Where, Why, and How of Data Collection *27*
2 Graphs, Charts, and Tables—Describing Your Data *54*
3 Describing Data Using Numerical Measures *99*
1–3 SPECIAL REVIEW SECTION *148*
4 Introduction to Probability *154*
5 Discrete Probability Distributions *198*
6 Introduction to Continuous Probability Distributions *238*
7 Introduction to Sampling Distributions *265*
8 Estimating Single Population Parameters *303*
9 Introduction to Hypothesis Testing *342*
10 Estimation and Hypothesis Testing for Two Population Parameters *389*
11 Hypothesis Tests and Estimation for Population Variances *436*
12 Analysis of Variance *460*
8–12 SPECIAL REVIEW SECTION *507*
13 Goodness-of-Fit Tests and Contingency Analysis *523*
14 Introduction to Linear Regression and Correlation Analysis *552*
15 Multiple Regression Analysis and Model Building *599*
16 Analyzing and Forecasting Time-Series Data *662*
17 Introduction to Nonparametric Statistics *712*
18 Introducing Business Analytics *743*
19 Introduction to Decision Analysis (Online)
20 Introduction to Quality and Statistical Process Control (Online)

APPENDICES
A Random Numbers Table *770*
B Cumulative Binomial Distribution Table *771*
C Cumulative Poisson Probability Distribution Table *785*
D Standard Normal Distribution Table *790*
E Exponential Distribution Table *791*
F Values of t for Selected Probabilities *792*
G Values of χ^2 for Selected Probabilities *793*
H F-Distribution Table *794*
I Distribution of the Studentized Range (q-values) *800*
J Critical Values of r in the Runs Test *802*
K Mann-Whitney U Test Probabilities ($n < 9$) *803*
L Mann-Whitney U Test Critical Values ($9 \leq n \leq 20$) *805*
M Critical Values of T in the Wilcoxon Matched-Pairs Signed-Ranks Test ($n \leq 25$) *807*
N Critical Values d_L and d_U of the Durbin-Watson Statistic D *808*
O Lower and Upper Critical Values W of Wilcoxon Signed-Ranks Test *810*
P Control Chart Factors *811*