State of the life of the life

EIGHTH EDITION

## BUSINESS STATISTICS

A FIRST COURSE



650.015195 L5786 Bu,8-2





DAVID M. LEVINE KATHRYN A. SZABAT DAVID F. STEPHAN P. MARIAPPAN

## **Brief Contents**

## Preface xxv

## First Things First 1

- 1 Defining and Collecting Data 22
- 2 Organizing and Visualizing Variables 58
- 3 Numerical Descriptive Measures 152
- 4 Basic Probability 218
- 5 Discrete Probability Distributions 263
- 6 The Normal Distribution 293
- 7 Sampling Distributions 319
- 8 Confidence Interval Estimation 347
- 9 Fundamentals of Hypothesis Testing: One-Sample Tests 382
- 10 Two-Sample Tests and One-Way ANOVA 440
- 11 Chi-Square Tests 519
- 12 Simple Linear Regression 548
- 13 Multiple Regression 600
- 14 Business Analytics 636
- 15 Statistical Applications in Quality Management 663

Appendices A-H 707

Self-Test Solutions and Answers to Selected Even-Numbered Problems 757

Index 783

Credits 795