# Contents

Chapter 1: Data Collection 1

Chapter 2: Organizing and Summarizing Data 35

Chapter 3: Numerically Summarizing Data 61

Chapter 4: Describing the Relation Between Two Variables 89

Chapter 5: Probability 119

Chapter 6: Discrete Probability Distributions 155

Chapter 7: The Normal Probability Distribution 173

Chapter 8: Sampling Distributions 193

Chapter 9: Estimating the Value of a Parameter 205

Chapter 10: Hypothesis Tests Regarding a Parameter 227

Chapter 11: Inference on Two Samples 267

Chapter 12: Inference on Categorical Data 301

Chapter 13: Comparing Three or More Means 319

Chapter 14: Inference on the Least-Squares Regression Model 333