Contents

Preface iv

Chapter 1 Data display and summary, 1
Chapter 2 Summary statistics for quantitative data, 13
Chapter 3 Summary statistics for binary data, 24
Chapter 4 Populations and samples, 39
Chapter 5 Statements of probability and confidence intervals, 49
Chapter 6 \( P \)-values, power, type I and type II errors, 60
Chapter 7 The \( t \) tests, 72
Chapter 8 The \( \chi^2 \) tests, 86
Chapter 9 Diagnostic tests, 102
Chapter 10 Rank score tests, 110
Chapter 11 Correlation and regression, 119
Chapter 12 Survival analysis, 133
Chapter 13 Study design and choosing a statistical test, 143
Chapter 14 Use of computer software, 153

Answers to exercises, 168
Glossary of statistical terms, 171
Appendix, 180
Index, 183