

## Table of Contents

- Preface p. vii
- Acknowledgments p. ix
- How To Use This Book p. xi
- To the Student p. xi
- To the Instructor p. xi
- Goals and Objectives p. xiii
- Goals p. xiii
- Objectives p. xiii
- Chapter 1 Investigation of an Epidemic p. 1
- Objectives Covered p. 1
- Study Notes p. 1
- Exercises: An Outbreak of Hepatitis in a Rural Community p. 6
- Chapter 2 Measures of Mortality p. 17
- Objectives Covered p. 17
- Study Notes p. 17
- Exercises p. 21
- Chapter 3 Incidence and Prevalence p. 23
- Objectives Covered p. 23
- Study Notes p. 23
- Exercises p. 25
- Chapter 4 Measures of Risk p. 29
- Objectives Covered p. 29
- Study Notes p. 29
- Exercises p. 34
- Self-Assessment 1 p. 37
- Chapter 5 Biological Variability p. 45
- Objectives Covered p. 45
- Study Notes p. 45
- Exercises p. 49
- Chapter 6 Probability p. 53
- Objectives Covered p. 53
- Study Notes p. 53
- Exercises p. 56
- Chapter 7 Screening p. 59
- Objectives Covered p. 59
- Study Notes p. 59
- Exercises p. 66
- Chapter 8 Sampling p. 69
- Objectives Covered p. 69
- Study Notes p. 69
- Exercises p. 70
- Chapter 9 Statistical Significance p. 75
- Objectives Covered p. 75
- Study Notes p. 75

- Exercises p. 81
- Chapter 10 Correlation p. 87
  - Objectives Covered p. 87
  - Study Notes p. 87
  - Exercises p. 91
- Chapter 11 Multiple Regression p. 95
  - Objectives Covered p. 95
  - Study Notes p. 95
  - Exercises p. 99
  - Self-Assessment 2 p. 101
- Chapter 12 Case-Control (Retrospective) Studies p. 109
  - Objectives Covered p. 109
  - Study Notes p. 109
  - Exercises p. 116
- Chapter 13 Cohort (Prospective) Studies p. 119
  - Objectives Covered p. 119
  - Study Notes p. 119
  - Exercises p. 125
- Chapter 14 Randomized Clinical Trials p. 127
  - Objectives Covered p. 127
  - Study Notes p. 127
  - Exercises p. 130
- Chapter 15 Survival Analysis p. 133
  - Objectives Covered p. 133
  - Study Notes p. 133
  - Exercises p. 138
- Chapter 16 Association and Causation p. 141
  - Objectives Covered p. 141
  - Study Notes p. 141
  - Exercises p. 146
- Chapter 17 Keys to Understanding Articles on Epidemiologic Studies p. 149
  - Objectives Covered p. 149
  - Study Notes p. 149
  - Exercises p. 158
  - Self-Assessment 3 p. 161
  - Exercise Answers p. 169
  - Self-Assessment Final p. 187
  - Self-Assessment Answers p. 201
- Glossary p. 203
- Index p. 207