

# Contents

Detailed Contents	xi
<b>Chapter 1</b> Introduction	1
<b>Chapter 2</b> The design of experiments	5
<b>Chapter 3</b> Sampling and observational studies	25
<b>Chapter 4</b> Summarizing data	41
<b>Chapter 5</b> Presenting data	57
<b>Chapter 6</b> Probability	73
<b>Chapter 7</b> The Normal distribution	85
<b>Chapter 8</b> Estimation	101
<b>Chapter 9</b> Significance tests	115
<b>Chapter 10</b> Comparing the means of small samples	131
<b>Chapter 11</b> Regression and correlation	159
<b>Chapter 12</b> Methods based on rank order	177
<b>Chapter 13</b> The analysis of cross-tabulations	193
<b>Chapter 14</b> Choosing the statistical method	213
<b>Chapter 15</b> Multifactorial methods	223
<b>Chapter 16</b> Time to event data	251
<b>Chapter 17</b> Meta-analysis	265
<b>Chapter 18</b> Determination of sample size	295
<b>Chapter 19</b> Missing data	305
<b>Chapter 20</b> Clinical measurement	313
<b>Chapter 21</b> Mortality statistics and population structure	347
<b>Chapter 22</b> The Bayesian approach	357
Appendix 1: Suggested answers to multiple choice questions and exercises	367
References	397
Index	411