## Contents

Preface	vii
Data files and website	viii
Introduction and overview	x
Introduction and over view	л
Part One Getting started	1
1 Designing a study	3
2 Preparing a codebook	11
3 Getting to know IBM SPSS	14
Part Two Preparing the data file	25
4 Creating a data file and entering data	27
5 Screening and cleaning the data	44
Part Three Preliminary analyses	53
6 Descriptive statistics	55
7 Using graphs to describe and explore the data	69
8 Manipulating the data	87
9 Checking the reliability of a scale	101
10 Choosing the right statistic	106
Part Four Statistical techniques to explore relationships among variables	125
11 Correlation	133
12 Partial correlation	149
13 Multiple regression	154
14 Logistic regression	175
15 Factor analysis	188
Part Five Statistical techniques to compare groups	211
16 Non-parametric statistics	221
17 T-tests	247

## vi Contents

18 One-way analysis of variance	258
19 Two-way between-groups ANOVA	274
20 Mixed between-within subjects analysis of variance	284
21 Multivariate analysis of variance	293
22 Analysis of covariance	307
Appendix: Details of data files	329
Recommended reading	344
References	347
Index	352