## **CONTENTS**

Pretace	
List of Examples	xi
List of Boxes	xii
PART A INTRODUCTION	1
1 What is survey research?	3
What is a survey?	3
Quantification	6
Sampling	7
Comparison	10
Is a survey appropriate?	11
Summary	12
Further reading	12
2 What's the problem? Developing ideas	13
The final product	13
Validating evidence	14
Defining the problem	16
Case studies	20
Travelling for heart surgery	20
Care for older people in the community	22
Causes and effects of alcohol consumption	27
Practicalities	34
Problem definition	34
Doing acceptable research	40
Using the library and initial exploration	43
The research proposal	46
Summary	48
Further reading	48
PART B THE SIZE OF THE PROBLEM	49
3 The theory of sampling	51
Some statistical techniques	51
Simple descriptive statistics: tables and averages	51
More complicated statistics: the standard deviation	59

	Calculating error	61
	Random sampling	61
	Estimating and minimizing error	64
	Comparing groups	72
	Hypothesis testing and comparison	72
	Matched samples	74
	Summary	78
	Further reading	78
	Answers to exercises	79
4	Making do: sampling in the real world	81
	Sampling over time	81
	Cluster sampling	83
	Non-probability samples	86
	Quota and haphazard samples	86
	Using statistics with non-probability samples	90
	Improving performance in sampling	90
	Sample size and non-sampling error	90
	Non-response and lost cases	93
	Practicalities: selecting samples	94
	Summary	98
	Further reading	98
P.A	ART C OPINIONS AND FACTS	99
5	Measurement: principles	101
	Systematic observation	101
	Asking questions	103
	Facts and attitudes	103
	Direct and indirect questions	104
	The validation of measures	107
	Summary	108
	Further reading	108
6	Putting it into practice	109
	Varieties of data-collection method	109
	A practical example: the People in Society schedule	111
	Direct measures	115
	Indirect measures and attitude/personality scales	117
	Designing the instrument	119
	Interview schedules and self-administered questionnaires	119
	Observation schedules, and counting in text	122
	Training and briefing	126
	The conduct of interviews	127

	Coding the answers	129
	Precoded answers	129
	Office coding	131
	Summary	135
	Further reading	135
7	Complex concepts	136
	Attainment and ability	136
	Personality	139
	Attitudes	140
	Social factors	143
	Complexity and reality	147
	Summary	149
	Further reading	150
8	What does it all mean?	151
	Sampling error	151
	Non-sampling error	155
	Sampling	156
	Measurement	157
	Collection	158
	Codification	159
	The politics of measurement	160
	The political uses of description	161
	The politics of survey research	162
	Summary	163
	Further reading	163
PAI	RT D EXPLORING DATA	165
9	Keeping it simple: tabular analysis	167
	Significant association in tables	167
	Three-way analysis and statistical control	173
	Advantages and weaknesses of tabular analysis	178
	Summary	179
	Further reading	180
10	Relationships and differences	181
	Correlation	181
	Multiple and partial correlation	191
	Regression	194
	Multiple regression	194
	Stepwise regression and testing effects	195
	Discriminant function analysis	197

	Analysis of variance	199
	Univariate analysis	199
	Bivariate and multivariate analysis	201
	Restrictions on the use of analysis of variance	205
	Loglinear analysis	205
	Logistic regression	206
	Loglinear modelling	214
	Residuals and the analysis of change	219
	Summary	220
	Further reading	221
11	Constructing scales	222
	Measurement scales for survey work	222
	Item selection and test construction	225
	A detour: factor analysis	228
	Back to the survey: scale construction	237
	Summary	245
	Further reading	245
PAI	RT E FINISHING UP	247
12	Did you need to do your own survey?	249
	Existing sources	249
	Demonstrating validity	253
	Sampling	253
	Measurement and interpretation	254
	Summary	257
	Further reading	257
13	Reporting the results	258
	What was the problem?	258
	Methods	259
	The sample	260
	The collection schedule	260
	Procedures	261
	Results and discussion/conclusions	262
	The audience and the author	264
Ref	erences	266
Nar	ne index	271
2 <b>L</b>	ject index	273