Contents

List of Figures xi
List of Tables xii
List of Boxes xiii
Preface xiv
Acknowledgements xvi
List of Contributors xviii

PART I DESIGN ISSUES 1

1 Validating Evidence 1
Roger Sapsford and Victor Jupp

Counting Cases: Measurement and Case Selection 2
Examples from UK Government Statistics 3
Three Kinds of Crime Survey 4
A Study of Mothers 9
Comparing Groups: the Logic of Design 13
Quasi-experimental Analysis: Road Traffic Fatalities 13
Experiments in HIV Counselling 16
Establishing Boundaries in Qualitative Studies 20
Conclusion 22
Key Terms 22
Further Introductory Reading 23
Summary Activity: Preparing Your Research Proposal 23

2 Survey Sampling 26
William Schofield

Sampling 26
Defining the Population to be Sampled 27
Sampling Units 28
The Sampling Frame 28
Selecting a Sample 29
Simple Random Sampling 30
Stratified Random Sampling 32
Cluster Sampling 34
Quota Sampling 36
Estimation of Population Parameters 38
### Contents

Means, Variance and Standard Deviations 39  
How Sample Means are Distributed 43  
Error, Sample Size and Non-response 47  
Sample Size 48  
Non-response 49  
Conclusion 51  
Key Terms 52  
Further Reading 53  
Answers to Activities 53  
Research Proposal Activity 2 54

**PART II DATA COLLECTION** 57

3 Observational Research 57  
*Peter Foster*

Using Observation 57  
Advantages and Limitations 59  
Structure in Observation 60  
Relationships and Roles 64  
Negotiating Access 64  
Developing Relationships 69  
The Researcher's Role 73  
Managing Marginality 77  
What to Observe 77  
Focusing Research 77  
Representative Sampling 78  
Recording Observations 80  
More-structured Observation 80  
Less-structured Observation 82  
Using Technology 85  
Assessing the Validity of Observations 86  
Threats to Validity 87  
Ways of Assessing Validity 88  
Conclusion 90  
Key Terms 91  
Further Reading 92  
Research Proposal Activity 3 92

4 Asking Questions 93  
*Michael Wilson and Roger Sapsford*

Comparison of Methods 93  
Interview and Questionnaire Methods 93  
Procedural/Structural Factors 94  
Contextual Factors 95  
Choosing Between Methods 97
Contents

Highly Structured Methods 97
   Interview Schedules 99
   Open-ended Questions in Standardized Interview Schedules 101
   Self-administered Questionnaires 102
   Piloting 103
Asking More Complex Questions 107
   Factual Questions 108
   Retrospective Questions 108
   Composite Measurement 109
Less Structured Methods 112
   Observing and Interviewing 113
   An Example of Less Structured Interviewing 114
   Interviewer Control in Less Structured Interviews 116
Reactivity and Validity in Research Asking Questions 118
Conclusion 120
Key Terms 120
Further Reading 122
Research Proposal Activity 4 122

5 Research and Information on the Net 124
   Roger Sapsford
      Searching the Literature 124
      Information on the Net 127
      Sampling on the Net 129
      Questionnaires on the Net 130
      Qualitative Interviewing on the Net 132
      Participating and Observing 133
      Conclusion 134
      Key Terms 135
      Further Reading 136
      Research Proposal Activity 5 136

6 Using Documents 138
   Ruth Finnegan
      Documentary Sources 139
      Some Initial Distinctions 142
         Primary Versus Secondary Sources 142
         'Direct' and 'Indirect' Uses 143
      How Documentary Sources Come into Being 144
      Further Questions to Ask 146
      Conclusion 149
      Key Terms 150
      Further Reading 150
      Research Proposal Activity 6 151
PART III  DATA ANALYSIS  153

7 Preparing Numerical Data  153
   Betty Swift
   Establishing the Nature of the Problem  154
   Prior Structure, Method of Recording and Sample Size  157
      Prior Structure  157
      Method of Recording  160
      Sample Size  161
   Getting the Data into Shape for Analysis  162
      Getting the Pre-coding Right  165
      Coding Open-ended Questions  165
      Coding Data from Unstructured Interviews  168
      Three Approaches to Coding  170
      Correcting Errors  173
   Data Manipulation During Analysis  174
      Coping with Missing Values  174
      Re-coding Variables  175
   Conclusion  177
   Key Terms  178
   Further Reading  179
   Answers to Activities  179
   Appendix  181
   Research Proposal Activity 7  182

8 Extracting and Presenting Statistics  184
   Roger Sapsford
   The Right Figure for the Job  184
   Frequencies  185
   Two-way Distributions  192
   Introducing a Third Variable  196
   Postscript: the Element of Chance  202
   Key Terms  203
   Further Reading  205
   Answers to Activities  205
   Research Proposal Activity 8  206
   Appendix: Data-set  207

9 Statistical Techniques  208
   Judith Calder and Roger Sapsford
   Different Kinds of Data  208
   Approaches to Analysis  209
      Looking at Variables  209
      Two Types of Statistics  211
Contents

Descriptive Measures 211

- Measures of Central Tendency 212
- Measures of Spread 212
- Measures of Location 213

Inferential Statistics 214
- Types of Error 214
- Chi-square 217
- z and t tests 220
- Analysis of Variance 221

Measuring Association 225
- Correlation Coefficients 225
- Simple Linear Regression 226

Multivariate Statistics 227
- Analysis of Variance and Related Techniques 230
- Regression Techniques 234
- Further Multivariate Approaches 237

Key Terms 238

Further Reading 241

Answer to Activity 9.4 241

Research Proposal Activity 9 242

10 Analysis of Unstructured Data 243

David Boulton and Martyn Hammersley

- Complementary Perspectives of Reader and Researcher 244
- Types of Qualitative Data 245
- The Process of Analysis 246
  - Data Preparation 246
  - Starting the Analysis 250
- Reflexivity and the Assessment of Validity 256
- Conclusion 257
- Key Terms 257
- Further Reading 258
- Research Proposal Activity 10 258

11 Discourse Research 260

Roger Sapsford

- Ideology and Discourse 260
  - Ideology 260
  - Discourse 262
- Discursive Structures 264
- Discourse Processes 266
- Conclusion 268
- Key Terms 269
- Further Reading 270
- Research Proposal Activity 11 271
12 Documents and Critical Research

Victor Jupp

Documents, Texts and Discourse
Types of Document
A Typology of Documents
Critical Social Research
Critical Analysis of Documents
Case Study 1: A Proposal for Critical Analysis
Case Study 2: Critical Analysis of a Public Document
Case Study 3: Critical Analysis of Decision-making
Case Study 4: Critical Analysis of a Research Report
Conclusion
Key Terms
Further Reading
Research Proposal Activity 12

PART IV CONCLUSION

13 Ethics, Politics and Research

Pamela Abbott and Roger Sapsford

Ethics and Research
Politics and Research
Intelligence and the Politics of 'Race'
Intelligence, Achievement and the Politics of Class
Politics, Ideology and 'Research Style'
Overview of Issues
Conclusion
Further Reading
Research Proposal Activity 13

References
Index