

Contents

<i>Preface</i>	xv
Chapter 1 Introduction	1
Why Study Research Methods?	2
<i>Consuming Research Evidence</i>	2
<i>Producing Research Evidence</i>	4
Methodological Approaches to the Social World	5
<i>Some Preliminary Research Questions</i>	6
<i>An Experimental Answer</i>	7
<i>An Answer from Survey Research</i>	8
<i>An Answer from Field Research</i>	10
<i>An Answer from Available Data</i>	11
Conclusions	12
<i>An Overview of the Book</i>	13
Chapter 2 The Nature of Science	15
The Aim of Science	15
Science as Product	16
<i>Scientific versus Nonscientific Questions</i>	16
<i>Knowledge as Description</i>	17
<i>Knowledge as Explanation and Prediction</i>	18
<i>Knowledge as Understanding</i>	20
<i>Tentative Knowledge</i>	21
Science as Process	22
<i>Durkheim's Study of Suicide</i>	23
<i>Logical Reasoning</i>	25
<i>Empiricism</i>	28
<i>Objectivity</i>	29
<i>Control</i>	30
Critiques of Scientific Inquiry	33
<i>The Ideal and the Reality of Scientific Inquiry</i>	33
<i>Alternative Models of Social "Science"</i>	35
Summary	37

PART I Research Design	39
Chapter 3 Elements of Research Design	41
Origins of Research Topics	41
Units of Analysis	43
<i>Aggregate Data</i>	44
<i>Ecological Fallacy</i>	45
Variables	46
<i>Types of Variables</i>	47
Relationships	49
<i>Relationships among Qualitative Variables</i>	51
<i>Relationships among Quantitative Variables</i>	52
<i>Relationships between a Qualitative and a Quantitative Variable</i>	53
<i>Statistically Significant Relationships</i>	56
<i>The Nature of Causal Relationships</i>	57
Formulating Questions and Hypotheses	64
Research Purposes and Research Design	68
Stages of Social Research	69
<i>Stage 1: Formulation of the Research Question</i>	69
<i>Stage 2: Preparation of the Research Design</i>	70
<i>Stage 3: Measurement</i>	71
<i>Stage 4: Sampling</i>	71
<i>Stage 5: Data Collection</i>	71
<i>Stage 6: Data Processing</i>	71
<i>Stage 7: Data Analysis and Interpretation</i>	71
Summary	72
Chapter 4 Measurement	74
The Measurement Process	75
<i>Conceptualization</i>	75
<i>Operationalization</i>	76
Operational Definitions in Social Research	80
<i>Verbal Reports</i>	81
<i>Observation</i>	82
<i>Archival Records</i>	83
<i>Selection of Operational Definitions</i>	83
Levels of Measurement	84
<i>Nominal Measurement</i>	85
<i>Ordinal Measurement</i>	86
<i>Interval Measurement</i>	87
<i>Ratio Measurement</i>	88
<i>Discussion</i>	88
Reliability and Validity	89
<i>Sources of Error</i>	90

Reliability Assessment	93
<i>Test–Retest Reliability</i>	93
<i>Split-Half and Internal Consistency Reliability</i>	94
<i>Intercoder Reliability</i>	94
<i>Improving Reliability</i>	95
Validity Assessment	96
<i>Subjective Validation</i>	96
<i>Criterion-Related Validation</i>	97
<i>Construct Validation</i>	98
A Final Note on Reliability and Validity	101
Summary	102
Chapter 5 Sampling	104
Why Sample?	105
Population Definition	106
Sampling Designs	110
Probability Sampling	110
<i>Random Selection</i>	110
<i>Simple Random Sampling</i>	111
<i>Stratified Random Sampling</i>	116
<i>Cluster Sampling</i>	118
<i>Systematic Sampling</i>	123
Nonprobability Sampling	124
<i>Convenience Sampling</i>	124
<i>Purposive Sampling</i>	125
<i>Quota Sampling</i>	126
Other Sampling Designs	127
<i>Combined Probability and Nonprobability Sampling</i>	128
<i>Referral Sampling</i>	129
Factors Affecting Choice of Sampling Design	130
<i>Stage of Research and Data Use</i>	130
<i>Available Resources</i>	131
<i>Method of Data Collection</i>	131
Factors Determining Sample Size	132
<i>Population Heterogeneity</i>	132
<i>Desired Precision</i>	132
<i>Sampling Design</i>	134
<i>Available Resources</i>	135
<i>Number of Breakdowns Planned</i>	135
Final Notes on Sampling Errors and Generalizability	136
Summary	138

PART II Methods of Data Collection	141
Chapter 6 Experimentation	143
The Logic of Experimentation	144
<i>Testing Causal Relations</i>	144
<i>Matching and Random Assignment</i>	146
<i>Internal and External Validity</i>	147
<i>Sampling in Experiments</i>	150
Staging Experiments	151
<i>An Example: Who Will Intervene?</i>	152
<i>Subject Recruitment and Acquisition of Informed Consent</i>	154
<i>Introduction to the Experiment</i>	154
<i>The Experimental Manipulation</i>	155
<i>Manipulation Checks</i>	155
<i>Measurement of the Dependent Variable</i>	156
<i>Debriefing</i>	157
<i>Pre-testing</i>	158
<i>Experimental and Mundane Realism</i>	158
The Experiment as a Social Occasion	159
<i>Demand Characteristics</i>	160
<i>Evaluation Apprehension</i>	161
<i>Other Motives of Experimental Subjects</i>	162
<i>Experimenter Effects</i>	163
<i>Minimizing Bias Resulting from the Social Nature of Experimentation</i>	164
Experimentation outside the Laboratory	165
<i>Field Experiments</i>	166
<i>Experimental Designs in Survey Research</i>	169
<i>Units of Analysis Other Than Individuals</i>	171
Summary	171
Chapter 7 Experimental Designs	173
Threats to Internal Validity	174
Pre-experimental Designs	178
<i>Design 1: The One-Shot Case Study</i>	178
<i>Design 2: The One-Group Pre-test–Post-test Design</i>	179
<i>Design 3: The Static Group Comparison</i>	180
True Experimental Designs	181
<i>Design 4: The Pre-test–Post-test Control Group Design</i>	181
<i>Design 5: The Post-test-Only Control Group Design</i>	182
<i>Design 6: The Solomon Four-Group Design</i>	183
<i>Within-Subjects Designs</i>	183
<i>Overview of True Experimental Designs</i>	185

Factorial Experimental Designs	186
<i>Interaction Effects</i>	189
Quasi-experimental Designs	192
<i>Example 1: Interracial Attitudes and Behaviour at a Summer Camp</i>	195
<i>Example 2: The Connecticut Crackdown on Speeding</i>	197
Summary	200
Chapter 8 Survey Research	202
General Features of Survey Research	203
<i>Large-Scale Probability Sampling</i>	203
<i>Systematic Procedures: Interviews and Questionnaires</i>	204
<i>Quantitative Data Analysis</i>	206
<i>Secondary Analysis of Surveys</i>	207
Survey Research Designs	208
<i>Cross-Sectional Designs</i>	209
<i>Longitudinal Designs</i>	210
Steps in Survey Research: Planning	213
Face-to-Face and Telephone Interviewing	217
<i>Face-to-Face Interviewing</i>	217
<i>Telephone Interviewing</i>	219
Paper-and-Pencil Questionnaires	221
Computer-Assisted Self-Interviews	223
Mixed-Mode Surveys	225
Field Administration	226
<i>Interviewer Recruitment and Selection</i>	226
<i>Interviewer Training</i>	228
<i>Pre-testing</i>	228
<i>Gaining Access</i>	229
<i>Interviewing</i>	232
<i>Supervision and Quality Control</i>	235
<i>Follow-Up Efforts</i>	236
Strengths and Limitations of Surveys	237
Summary	239
Chapter 9 Survey Instrumentation	241
The Survey as a Social Occasion	242
Materials Available to Survey Designers	245
<i>Open-Ended and Closed-Ended Questions</i>	246
<i>Direct and Indirect Questions</i>	248
<i>Response Formats</i>	251
<i>Visual and Media Aids</i>	255
<i>Existing Questions</i>	255

Sketches or Preliminaries	256
<i>The Opening</i>	257
<i>The Placement of Sensitive and Routine Questions</i>	257
<i>Order, Flow, and Transition</i>	258
Filling in the Sketch: Writing the Items	260
<i>Using Language Effectively</i>	260
<i>The “Frame of Reference” Problem</i>	265
<i>Reason Analysis</i>	267
<i>Memory Problems</i>	268
<i>Response Bias Problems</i>	271
<i>Format Considerations</i>	273
<i>Mixed-Mode Instrument Designs</i>	273
Evaluating and Pre-testing	274
<i>Cognitive Laboratory Interviews</i>	275
<i>Field Pre-testing</i>	276
Summary	279
Chapter 10 Field Research	282
General Features of Field Research	283
<i>Rudimentary, Emergent Research Design</i>	284
<i>Direct Observation in Natural Settings</i>	286
<i>Unstructured and Semistructured Interviewing</i>	292
<i>Qualitative Data Analysis</i>	294
Stages of Field Research	295
<i>A Field Study of the Homeless</i>	295
<i>Selecting a Research Setting</i>	297
<i>Gaining Access</i>	299
<i>Presenting Oneself</i>	301
<i>Gathering Information</i>	305
<i>Analysing the Data</i>	309
Strengths and Limitations of Field Research	313
Summary	316
Chapter 11 Research Using Available Data	319
Sources of Available Data	320
<i>Public Documents and Official Records</i>	320
<i>Private Documents</i>	323
<i>Mass Media</i>	324
<i>Physical, Nonverbal Evidence</i>	326
<i>Social Science Data Archives</i>	326
<i>Big Data</i>	327
General Methodological Issues in Available-Data Research	329
<i>Searching for and Procuring Available Data</i>	329
<i>Measurement of Key Concepts</i>	330

<i>Data Evaluation and Adjustment</i>	331
<i>Assessment of Data Completeness</i>	334
Historical Analysis	335
<i>Descriptive and Analytical History</i>	336
<i>Handling Documentary Evidence</i>	338
<i>Historical Interpretation</i>	341
Content Analysis	343
<i>Select and Define Content Categories</i>	344
<i>Define the Unit of Analysis</i>	344
<i>Decide on a System of Enumeration</i>	345
<i>Carry Out the Analysis</i>	347
Strengths and Limitations of Research Using Available Data	349
Summary	352
Chapter 12 Multiple Methods	354
Triangulation	354
Multiple Measures of Concepts within the Same Study	357
<i>Composite Measures: Indexes and Scales</i>	358
<i>Structural Equation Modelling</i>	364
Multiple Tests of Hypotheses across Different Studies	366
<i>Replications Using the Same Research Strategy:</i>	
<i>Social Exclusion and Helping</i>	366
<i>Replications Using Different Research Strategies</i>	368
A Comparison of the Four Basic Approaches to Social Research	372
Meta-analysis	375
<i>Problem Formulation</i>	376
<i>Data Collection</i>	377
<i>Data Evaluation</i>	378
<i>Analysis and Interpretation</i>	379
<i>Public Presentation</i>	380
Summary	380
Chapter 13 Evaluation Research	382
Framework and Sample Studies	383
<i>Example 1: Aid to Released Prisoners</i>	384
<i>Example 2: Curbing Drink-driving</i>	385
<i>Example 3: Immunizing against Gang Membership and Delinquency</i>	386
Types of Evaluation Research	388
<i>Problem Identification: Conceptualization and Diagnosis</i>	389
<i>Policy Planning: Needs and Social Impact Assessments</i>	391
<i>Programme Development: Formative Evaluation</i>	392
<i>Programme Implementation: Process Evaluation</i>	393
<i>Programme Evaluation: Effect and Efficiency Assessment</i>	394

Methodological Issues in Evaluation Research	396
<i>Theory as a Guide to Research</i>	397
<i>Research Design and Internal Validity</i>	398
<i>Measurement Validity</i>	406
<i>External Validity</i>	407
The Social and Political Context of Evaluation Research	409
Summary	411
PART III Data Processing, Analysis, and Interpretation	413
Chapter 14 Data Processing and Elementary Data Analysis	415
Preview of Analysis Steps	416
Data Processing	417
<i>Editing</i>	417
<i>Coding</i>	418
<i>Entering the Data</i>	421
<i>Cleaning</i>	421
Data Matrices and Documentation	423
The Functions of Statistics in Social Research	426
Inspecting and Modifying the Data	427
<i>Nominal- and Ordinal-Scale Variables</i>	428
<i>Interval- and Ratio-Scale Variables</i>	431
Preliminary Hypothesis Testing	435
<i>Nominal- and Ordinal-Scale Variables</i>	435
<i>Interval- and Ratio-Scale Variables</i>	442
Summary	446
Chapter 15 Multivariate Analysis	449
Modelling Relationships	450
<i>Arrow Diagrams</i>	451
<i>Stochastic and Systematic Components</i>	453
<i>The Process of Modelling</i>	454
Elaboration: Tables and Beyond	455
Multiple-Regression Analysis	462
<i>Example 1: The Moral Integration of American Cities</i>	462
<i>Example 2: Interscholastic Sport and Academic Achievement</i>	465
<i>Example 3: Alcohol Consumption, Sleep, and Academic Performance</i>	471
Other Modelling Techniques	476
Summary	476
Chapter 16 Research Ethics	479
Data Collection and Analysis	481
Treatment of Human Subjects	483
<i>Harm</i>	484
<i>Informed Consent</i>	486

<i>Deception</i>	490
<i>Privacy</i>	493
Making Ethical Decisions	496
Values in Social Research: Science and Society	500
<i>The Issue of Value Neutrality</i>	500
<i>Managing Personal Values</i>	501
<i>The Application of Research Findings</i>	503
Summary	506
Chapter 17 Writing Research Reports	507
Searching the Literature	508
<i>Using the Internet</i>	508
<i>Using the Library</i>	509
Outlining and Preparing to Write	514
Major Headings	516
<i>The Abstract</i>	516
<i>Introduction</i>	517
<i>Literature Review</i>	517
<i>Methods</i>	518
<i>Findings</i>	519
<i>Discussion</i>	520
<i>References</i>	520
Revision and Other Considerations	520
<i>Length</i>	521
<i>Avoiding Plagiarism</i>	521
Publishing a Research Paper	521
Summary	524
<i>Glossary</i>	525
<i>References</i>	542
<i>Name Index</i>	573
<i>Subject Index</i>	583