Brief Contents

Chapter 1 Research in the Human Services 1

Chapter 2 The Logic of Social Research 19

Chapter 3 Ethical Issues in Social Research 49

Chapter 4 Issues in Problem Formulation 76

Chapter 5 The Process of Measurement 103

Chapter 6 Sampling 134

Chapter 7 Survey Research 163

Chapter 8 Analysis of Available Data 199

Chapter 9 Field Research and Qualitative Methods 223

Chapter 10 Experimental Research 259

Chapter 11 Single-System Designs 291

Chapter 12 Evaluation Research 319

Chapter 13 Scaling 349

Chapter 14 Data Analysis I: Data Preparation and Presentation 375

Chapter 15 Data Analysis II: Descriptive and Inferential Statistics 403

Chapter 16 Analysis of Qualitative Data 431

Chapter 17 Writing for Research: Grant Proposals and Report Writing 458

APPENDIX A: A GUIDE TO LIBRARY USE AND INFORMATION RETRIEVAL 483

APPENDIX B: GENERATING RANDOM NUMBERS 497

GLOSSARY 500

REFERENCES 509

NAME INDEX 532

SUBJECT INDEX 543

Contents

PREFACE xxiv
NEW TO THE EIGHTH EDITION xxviii
ACKNOWLEDGMENTS xxxii

1 Research in the Human Services 1

Research in the Human Services 3

Goals of Research 3

Applications of Research 4

Evidence-Based Practice 6

Special Issues: Research on Minorities and Women 8

Parallels and Linkages between Research and Practice 8

Steps in Conducting Research 9

Steps in Practice Intervention 10

The Plan of the Book 12

Review and Critical Thinking 15

Main Points 15

Important Terms for Review 15

Critical Thinking 15

Exploring the Internet 16

For Further Reading 16

Exercises for Class Discussion 17

2 The Logic of Social Research 19

Sources of Knowledge 20

Tradition 20

Experience 21

Common Sense 22

Journalism 22

Science 23

Scientific Practice 25

Theories in Research and Practice 26
What Is a Theory? 27
The Functions of Theories 29
Concepts and Hypotheses 30
Defining Concepts 30
Developing Hypotheses 32
Concepts and Operational Definitions among Minority Populations 33
Perspectives on Science 34
Deduction versus Induction 34
Types of Explanations 35
Paradigms in Science 38
Cause-and-Effect Relationships 42
Review and Critical Thinking 45
Main Points 45
Important Terms for Review 46
Critical Thinking 46
Exploring the Internet 46
For Further Reading 47
Exercises for Class Discussion 48

3 Ethical Issues in Social Research 49
The Minority Experience: The Need for Ethical Standards 51
Ethical Issues 54
Informed Consent 54
Deception 56
The Right to Privacy: Anonymity and Confidentiality 57
Harm, Distress, and Benefit 61
Sponsored Research 62
Scientific Misconduct and Fraud 64
Scientific Advocacy 65
Protecting Vulnerable Clients 66
Withholding Treatment for Research Purposes 67
Codes of Ethics 71
Review and Critical Thinking 72
Main Points 72
Important Terms for Review 72
Critical Thinking 73

Exploring the Internet 73
For Further Reading 74
Exercises for Class Discussion 74

4 Issues in Problem Formulation 76

Selecting a Research Problem 77
Personal Interest 77
Social Problems 77
Testing Theory 78
Prior Research 79
Program Evaluation 80
Human Service Practice 80
Minorities in Research: The Political Context of Problem Selection 81

Shaping and Refining the Problem 83
Conceptual Development 83
Review of the Literature 84
Units of Analysis 86
Reactivity 90
Qualitative versus Quantitative Research 91
Cross-Sectional versus Longitudinal Research 92

Feasibility of a Research Project 93
Time Constraints 93
Financial Considerations 94
Anticipating and Avoiding Problems 98

Review and Critical Thinking 99
Main Points 99
Important Terms for Review 100
Critical Thinking 100
Exploring the Internet 100
For Further Reading 101
Exercises for Class Discussion 101

5 The Process of Measurement 103

Ways of Measuring 104
From Concepts to Indicators 104
Techniques of Measuring 106
Positivist and Nonpositivist Views of Measurement 107

Levels of Measurement 109
Nominal Measures 109
Ordinal Measures 110
Interval Measures 112
Ratio Measures 113
Discrete versus Continuous Variables 114
Evaluating Measures 115
Validity 115
Reliability 119
Measurement with Minority Populations 122
Errors in Measurement 123
Random Errors 123
Systematic Errors 124
Improving Validity and Reliability 125
Choosing a Measurement Device 125
Review and Critical Thinking 130
Main Points 130
Important Terms for Review 130
Critical Thinking 131
Exploring the Internet 131
For Further Reading 131
Exercises for Class Discussion 132

6 Sampling 134
The Purpose of Sampling 135
Sampling Terminology 136
Populations and Samples 136
Sampling Frames 136
A Classic Sampling Disaster 138
Probability Samples 139
Simple Random Sampling 139
Systematic Sampling 140
Stratified Sampling 141
Area Sampling 143
Estimating Sample Size 144
Nonprobability Samples 149
Availability Sampling 150

Snowball Sampling 151
Quota Sampling 152
Purposive Sampling 152
Dimensional Sampling 153
Sampling with Minority Populations 155
A Note on Sampling in Practice 157
Review and Critical Thinking 159
Main Points 159
Important Terms for Review 160
Critical Thinking 160
Exploring the Internet 160
For Further Reading 161
Exercises for Class Discussion 161

7 Survey Research 163

Designing Questions 164
Closed-Ended versus Open-Ended Questions 164
Wording of Questions 167
Questionnaires 169
Structure and Design 170
Response Rate 171
Checking for Bias Due to Nonresponse 175
An Assessment of Questionnaires 175
Interviews 178
The Structure of Interviews 178
Contacting Respondents 178
Conducting an Interview 182
Minorities and the Interview Relationship 184
An Assessment of Interviews 186
Telephone Surveys 187
Online Surveys 189
Focus Groups 191
Practice and Research Interviews Compared 193
Review and Critical Thinking 195
Main Points 195
Important Terms for Review 196
Critical Thinking 196
Exploring the Internet 197

For Further Reading 197
Exercises for Class Discussion 198

8 Analysis of Available Data 199
Statistical Data 200
Sources of Statistical Data 200
Using Statistical Data 203
Content Analysis 208
Coding Schemes 208
Units of Analysis 209
Manifest versus Latent Coding 210
Issues in Content Analysis 211
Validity 211
Reliability 212
Level of Measurement 213
Sampling 214
Assessment of Available Data Analysis 215
Advantages 215
Disadvantages 217
Using Available Data in Research on Minorities 218
Review and Critical Thinking 220
Main Points 220
Important Terms for Review 220
Critical Thinking 220
Exploring the Internet 221
For Further Reading 221
Exercises for Class Discussion 222

9 Field Research and Qualitative Methods 223
Characteristics of Qualitative Methods 224
Contextual Approach 224
Grounded Theory Methodology 225
Field Research 226
Participant Observation 226
Unobtrusive Observation 230
Steps in Field Research 232
Problem Formulation 233
Selecting a Field Setting 233

Entering the Field 233
Developing Rapport in the Field 234
Becoming Invisible 235
Attitude of the Researcher 235
Observing and Recording in the Field 237
Exiting the Field 237
Recording Observations in Field Research 237
Qualitative Observation: Field Notes 238
Quantitative Observation: Coding Sheets 240
Other Qualitative Methods 244
In-Depth Interviewing 244
Case Studies, Life Histories, and Narratives 245
Focus Groups 246
Issues in Observational and Field Research 247
Sampling 247
Validity and Reliability 248
Reactivity 250
Observational and Field Research on Minority Populations 251
Assessment of Field Techniques and Qualitative Methods 252
Advantages 252
Disadvantages 253
Observation in Human Service Practice 254
Review and Critical Thinking 255
Main Points 255
Important Terms for Review 256
Critical Thinking 256
Exploring the Internet 256
For Further Reading 257
Exercises for Class Discussion 258

10 Experimental Research 259
The Logic of Experimentation 261
Causation and Control 261
Matching and Randomization 263
Internal Validity 265
Experimental Designs 268
Preexperimental Designs 268

True Experimental Designs 269
Quasi-Experimental Designs 272
Modes of Data Collection in Experiments 278
External Validity 279
Reactive Effects of Testing 280
Unrepresentative Samples 280
Reactive Settings 281
Multiple-Treatment Interference 283
Enhancing the External Validity of Experiments 283
Lack of Minority Participation and Analysis 284
Assessment of Experiments 285
Advantages 285
Disadvantages 285
Review and Critical Thinking 287
Main Points 287
Important Terms for Review 288
Critical Thinking 288
Exploring the Internet 289
For Further Reading 289
Exercises for Class Discussion 290

11 Single-System Designs 291
The Clinical Research Model 292
The Clinical Research Process 294
Identify Problems 294
Establish Goals 294
Select a Single-System Design 295
Establish and Measure the Baseline 295
Introduce Treatment 298
Assess Treatment Effects 299
Types of Single-System Designs 302
Single-Treatment Designs 302
Specialized Designs 307
Generalizability of Single-System Designs 311
Assessment of the Clinical Research Model 313
Advantages 313
Disadvantages 313

Review and Critical Thinking 314
Main Points 314
Important Terms for Review 316
Critical Thinking 316
Exploring the Internet 316
For Further Reading 317
Exercises for Class Discussion 317

12 Evaluation Research 319

What Is Evaluation Research? 320
Why Evaluate? 320
Evaluation Research and Basic Research 321
The Politics of Evaluation Research 322
Types of Evaluation Research 323
Formative Evaluation Research 324
Summative Evaluation Research 325
Evaluability Assessment 326
Specification of Variables 327
Measuring Variables 329
Evaluation of Minorities in Evaluation Research 329
Designs for Evaluation Research 330
Nonpositivist Approaches to Evaluation 336
Cost-Benefit Analysis 337
Cost-Effective Analysis 341
Barriers to the Use of Evaluation Research 342
Review and Critical Thinking 344
Main Points 344
Important Terms for Review 345
Critical Thinking 345
Exploring the Internet 346
For Further Reading 346
Exercises for Class Discussion 347

13 Scaling 349

Advantages of Scaling 350
Improved Validity 350
Improved Reliability 351
Increased Level of Measurement 351
Increased Efficiency in Data Handling 351

Developing Scales 351
Sources of Scale Items 351
Characteristics of Scale Items 352
Scaling Formats 354
Likert Scales 354
Thurstone Scales 357
Semantic Differential Scales 359
Guttman Scales 361
Multidimensional Scales 365
Avoiding Response Bias 367
Sources of Response Bias 367
Reducing Response Bias 367
Scaling in the Human Services 368
Review and Critical Thinking 371
Main Points 371
Important Terms for Review 372
Critical Thinking 372
Exploring the Internet 373
For Further Reading 373
Exercises for Class Discussion 374

14 Data Analysis I: Data Preparation and Presentation 375
Preparation for Data Analysis 376
Coding Schemes 376
Preparing and Using a Codebook 381
Data Entry 381
Raw Data Entry 381
Data Cleaning 383
Creating New Variables 384
Data Distributions 385
Types of Data Distributions 385
Constructing Frequency Distributions 386
Graphical Display of Data Distributions 391
Bar Graphs 391
Histograms and Frequency Polygons 392
Pie Charts 393

Contingency Tables 394
Bivariate Relationships 394
Multivariate Analysis 396
Review and Critical Thinking 400
Main Points 400
Important Terms for Review 401
Critical Thinking 401
Exploring the Internet 401
For Further Reading 402
Exercises for Class Discussion 402

15 Data Analysis II: Descriptive and Inferential Statistics 403

Considerations in Choosing Statistics 404
Level of Measurement 404
Goals of the Data Analysis 405
Number of Variables 406
Properties of the Data 406
Audience 407
Descriptive Statistics 407
Measures of Central Tendency 408
Measures of Dispersion 409
Measures of Association 410
The Normal Distribution 413
Inferential Statistics 416
Probability Theory 417
Sampling Distributions 417
Statistical Hypothesis Testing 420
Statistical Procedures 422
Review and Critical Thinking 427
Main Points 427
Important Terms for Review 428
Critical Thinking 428
Exploring the Internet 428
For Further Reading 429
Exercises for Class Discussion 429

16 Analysis of Qualitative Data 431

Goals of Qualitative Data Analysis 432

Data Reduction and Analysis 434

Codes and Coding 434

Reflective Remarks and Memos 440

Contextualizing Strategies 441

Displaying Data 443

Narrative Text 443

Visual Displays 444

Conclusions and Verification 446

Using Computers in Qualitative Research 452

Coding and Retrieving Data 452

Data Analysis and Hypothesis Testing 453

Conceptualization and Theory Building 454

Review and Critical Thinking 454

Main Points 454

Important Terms for Review 455

Critical Thinking 455

Exploring the Internet 456

For Further Reading 456

Exercises for Class Discussion 457

17 Writing for Research: Grant Proposals and Report Writing 458

The Grant-Funding Process 459

Federal Government Funding Sources 459

State Government Grants 461

Private Funding Sources 461

Learning about Funding Opportunities 462

Grant Proposal Planning 464

Proposal Development as a Process 464

Identifying the Topic 465

Needs Assessment 465

Specifying the Organization's Mission 466

Developing a Program 466

Targeting a Funding Source 467

Contacting and Visiting Funding Sources 468

Writing the Grant Proposal 469
Appearance and Writing Style 469
Components of the Proposal 471
Submitting the Proposal 473
Writing a Research Report 474
Consideration of the Audience 474
Organization of the Report 476
The Process of Writing 478
Review and Critical Thinking 479
Main Points 479
Important Terms for Review 480
Critical Thinking 480
Exploring the Internet 480
For Further Reading 481
Exercises for Class Discussion 481

APPENDIX A: A GUIDE TO LIBRARY USE AND INFORMATION RETRIEVAL 483
Organization of the Library 484
Library Departments 484
Accessing Library Materials and Other Information 485
Books 486
The Classification System 486
The Library Catalog 487
Periodicals 488
The Classification System 488
Journals Important to the Human Services 489
Online Databases 490
Reference Books for the Human Services 493
Government Documents 493
Information Literacy and Critical Thinking Skills 495
For Further Reading 495

APPENDIX B: GENERATING RANDOM NUMBERS 497
GLOSSARY 500
REFERENCES 509
NAME INDEX 532
SUBJECT INDEX 543

Research in Practice

1.1 Practice Effectiveness: "Scientific Practice" as a Challenge to the Human Services 7

1.2 Practice Effectiveness: Research–Practice Collaboration 13

2.1 Practice Effectiveness: Providing Services to Gays and Lesbians 27

2.2 Practice Effectiveness: Social Theory and Burnout among Social Workers 36

3.1 Practice Effectiveness: Sex Offenders as Participants 63

3.2 Program Evaluation: Vulnerable Clients at Risk 68

4.1 Needs Assessment: Reevaluating the Economic Consequences of Divorce 78

4.2 Behavior and Social Environments: Feminist Research Methods: Do Males and Females Have Different "Voices"? 90

5.1 Behavior and Social Environment: Controversies in Measuring Violence against Women 110

5.2 Assessment of Client Functioning: Goal Attainment Scaling for Practice-Based Evidence 126

6.1 Program Evaluation: Sampling for Direct Observation of Seat Belt Use 143

6.2 Behavior and Social Environments: Using Nonprobability Samples to Study Hidden Populations 154

7.1 Needs Assessment: The Pregnancy Risk Assessment Monitoring System 176

7.2 Needs Assessment: Merging Quantitative and Qualitative Measures 180

8.1 Program Evaluation: Evaluating Family Preservation Services through Agency Record Data 204

8.2 Needs Assessment: Hazards in Estimating the Crime Problem from Available Data 206

9.1 Behavior and Social Environment: The Complete Participant Role in a Prison 230

9.2 Behavior and Social Environment: Listening to the Disabled through Qualitative Methods 246

10.1 Program Evaluation: Matching and Randomization in a Community-Level Alcohol Prevention Experiment 266

10.2 Program Evaluation: Field Experiments on Police Handling of Domestic Violence Cases 273

11.1 Practice Effectiveness: Evidence-Based Practice through Single-System Designs 303

11.2 Practice Effectiveness: A Multiple-Baseline Evaluation of Treating Panic Disorder 308

12.1 Program Evaluation: Evidence-Based Evaluation: The Effectiveness of Programs to Reduce Recidivism 334

12.2 Program Evaluation: A Nonpositivist Evaluation of a Juvenile Gang Intervention Program 338

13.1 Program Evaluation: Developing a Scale to Measure Intimate Justice 356

13.2 Assessment of Client Functioning: Rapid Assessment Instruments 369

15.1 Program Evaluation: Designed for Failure: Statistical Power in Human Service Research 424

16.1 Behavior and Social Environments: Pregnancy after Perinatal Loss 450

Information Technology in Research

Chapter 1 Computer-Mediated Communications Technology and Research in the Human Services 14

Chapter 3 Ethical Challenges in Internet-Based Research 70

Chapter 4 Searching the Literature: Lessons from Evidence-Based Practice 96

Chapter 5 Computerized Data Collection: Enhancing Researcher–Practitioner Collaboration 129

Chapter 6 Sampling in a Cell Phone World 158

Chapter 7 Survey Design and Data Collection 194

Chapter 8 Access to Statistical Available Data 219

Chapter 9 Handheld Computers in Field Research 254

Chapter 10 Computer Applications in Experimental Research 287

Chapter 11 Computer-Aided Single-System Data Analysis 314

Chapter 12 Online Interviews and Focus Groups in Evaluation Research 343

Chapter 13 Measurement Issues in Online Research 371

Chapter 15 Statistical Software 427

Eye on Ethics

Chapter 4 The Ethics of Selecting and Conceptualizing Research Problems 84

Chapter 5 The Ethics of Measuring Shameful, Harmful, or Deviant Behavior 118

Chapter 6 Ethical Issues with Respondent-Driven Sampling 156

Chapter 7 Ethical Use of Cell Phones in Survey Research 190

Chapter 8 Information Technologies and Ethical Research 216

Chapter 9 The Moral Complexity of Research Work in Field Settings 236

Chapter 10 Deception and Informed Consent in Experiments 282

Chapter 11 Protecting Human Subjects and Single-System Designs 311

Chapter 12 The Ethics of International Research with Abandoned Children 331

Chapter 13 Revictimizing Victims through Research 366

Chapter 14 Out of Sight, Out of Mind: The Ethics of Data Editing 385

Chapter 15 Thou Shalt Not Lie (or Even Mislead) with Statistics! 418

Chapter 16 When the Truth Hurts—Seeing Unflattering Data 447

Chapter 17 Ethical Issues in Publishing Research 475