

Detailed Contents

| | |
|-------------------|-------|
| Preface | xvii |
| Companion Website | xxiii |
| Acknowledgments | xxv |
| About the Authors | xxvii |

PART I PRELIMINARY CONSIDERATIONS 1

| | |
|---|-----------|
| Chapter 1 The Selection of a Research Approach 3 | 3 |
| Learning Objectives | 3 |
| Introducing Key Terms in this Chapter | 3 |
| Three Approaches or Methodologies in Research | 4 |
| Three Major Components of a Research Approach | 6 |
| Philosophical Worldviews | 6 |
| <i>The Postpositivist Worldview</i> | 7 |
| <i>The Constructivist Worldview</i> | 9 |
| <i>The Transformative Worldview</i> | 10 |
| <i>The Pragmatic Worldview</i> | 11 |
| Research Designs | 13 |
| <i>Quantitative Designs</i> | 13 |
| <i>Qualitative Designs</i> | 14 |
| <i>Mixed Methods Designs</i> | 15 |
| Research Methods | 17 |
| Interconnecting Worldviews, Designs, and Methods | 18 |
| Criteria for Selecting a Research Approach | 20 |
| The Research Problem and Questions | 20 |
| Personal Experiences | 21 |
| Audience | 22 |
| Summary | 22 |
| Key Terms | 22 |
| Writing Exercises | 23 |
| Additional Readings | 23 |
| Chapter 2 Review of the Literature 25 | 25 |
| Learning Objectives | 25 |
| Introduction | 25 |
| The Research Topic | 26 |
| A Draft Title | 26 |
| A Significant Topic | 27 |

| | |
|---|-----------|
| The Purpose and Organization of a Literature Review | 28 |
| Purpose of a Literature Review | 28 |
| The Organization of the Literature Review | 29 |
| <i>General Forms</i> | 29 |
| <i>A Qualitative Structure</i> | 29 |
| <i>A Quantitative Structure</i> | 31 |
| <i>A Mixed Methods Structure</i> | 32 |
| Steps in Conducting a Literature Review | 32 |
| Searching the Literature | 34 |
| Computer Databases | 34 |
| Types of Literature | 36 |
| <i>Priority of the Literature</i> | 36 |
| <i>Overall Evaluation Quality</i> | 37 |
| Abstracting the Literature | 37 |
| <i>Components of an Abstract</i> | 38 |
| <i>Theoretical, Conceptual, and</i> | |
| <i>Methodological Abstracts</i> | 38 |
| A Literature Map | 39 |
| Example 2.1 Components of a Methodological | |
| Journal Article Abstract | 39 |
| Style Manual Use | 43 |
| The Definition of Terms | 44 |
| General Guidelines | 45 |
| Special Terms | 46 |
| Example 2.2 Defining Terms in a Dissertation | 47 |
| Summary | 47 |
| Key Terms | 48 |
| Writing Exercises | 48 |
| Additional Readings | 49 |
| Chapter 3 The Use of Theory | 51 |
| Learning Objectives | 51 |
| Introduction | 51 |
| The Varied Use of Theory | 52 |
| Quantitative Theory Use | 53 |
| Definition of a Theory in Quantitative Research | 53 |
| Variables in Quantitative Research | 54 |
| Testing Causal Claims in Quantitative Research | 56 |
| Stating Theories in Quantitative Research | 57 |
| Placement of Quantitative Theories | 60 |
| Writing a Quantitative | |
| Theoretical Perspective | 60 |
| Example 3.1 A Quantitative Theory Section | 63 |
| Qualitative Theory Use | 64 |
| Variation in Theory Use in Qualitative Research | 65 |
| Locating the Theory in Qualitative Research | 68 |

| | |
|--|-----------|
| Example 3.2 A Theory Early in a Qualitative Study | 68 |
| Example 3.3 Theory at the End of a Qualitative Study | 69 |
| Mixed Methods Theory Use | 69 |
| Types of Mixed Methods Theory Use | 69 |
| Importance of a Theory | 71 |
| Distinctions Between a Theory and a Worldview | 72 |
| A Theoretically Driven Mixed Methods Study | 72 |
| What Theory Informs | 73 |
| Example 3.4 A Discipline-Based Theory in a Mixed Methods Study | 74 |
| Summary | 74 |
| Key Terms | 75 |
| Writing Exercises | 76 |
| Additional Readings | 76 |
| | |
| Chapter 4 Writing Strategies and Ethical Considerations | 79 |
| Learning Objectives | 79 |
| Introduction | 79 |
| Writing the Proposal | 79 |
| Topics Presented in a Proposal | 80 |
| A Qualitative Proposal | 80 |
| Example 4.1 A Qualitative Constructivist or Interpretivist Format | 81 |
| A Quantitative Proposal | 81 |
| Example 4.2 A Qualitative Participatory or Social Justice Format | 82 |
| Example 4.3 A Quantitative Format | 82 |
| A Mixed Methods Proposal | 83 |
| Example 4.4 A Mixed Methods Format | 83 |
| Designing the Sections of a Proposal | 84 |
| Writing Strategies | 84 |
| The Process | 84 |
| The Habit of Writing | 85 |
| Clear and Concise Writing | 87 |
| Coherence | 88 |
| Voice, Tense, and “Fat” | 91 |
| Ethical Issues | 93 |
| Prior to Beginning the Study | 95 |
| Beginning the Study | 97 |
| Collecting the Data | 98 |
| Analyzing the Data | 99 |
| Reporting, Sharing, and Storing Data | 100 |
| Summary | 102 |
| Key Terms | 102 |
| Writing Exercises | 102 |
| Additional Readings | 103 |

| | |
|--|------------|
| PART II DESIGNING RESEARCH | 105 |
| Chapter 5 The Introduction | 107 |
| Learning Objectives | 107 |
| Introduction to a Study | 107 |
| The Importance of Introductions | 108 |
| An Abstract for a Study | 109 |
| Qualitative, Quantitative, and Mixed Methods Introductions | 110 |
| A Model for an Introduction | 111 |
| An Illustration of an Introduction | 112 |
| The Research Problem | 112 |
| Evidence From the Literature | |
| Justifying the Problem | 115 |
| <i>Deficiencies in the Evidence</i> | 117 |
| Example 5.1 Deficiencies in the Literature—Needed Studies | 117 |
| Example 5.2 Deficiencies in the Literature—Few Studies | 118 |
| Importance of the Problem for Audiences | 118 |
| Example 5.3 Significance of the Study Stated in an <i>Introduction to a Quantitative Study</i> | 119 |
| Summary | 119 |
| Key Terms | 119 |
| Writing Exercises | 120 |
| Additional Readings | 120 |
| Chapter 6 The Purpose Statement | 123 |
| Learning Objectives | 123 |
| Introduction | 123 |
| Significance of a Purpose (or Study Aim) Statement | 124 |
| A Qualitative Purpose Statement | 125 |
| Example 6.1 A Purpose Statement in a Qualitative Phenomenology Study | 127 |
| Example 6.2 A Purpose Statement in a Qualitative Case Study | 128 |
| Example 6.3 A Purpose Statement in a Narrative Study | 129 |
| Example 6.4 A Purpose Statement in a Grounded Theory Study | 129 |
| A Quantitative Purpose Statement | 130 |
| Example 6.5 A Purpose Statement in a Survey Study | 132 |
| Example 6.6 A Purpose Statement in a Dissertation Survey Study | 132 |
| Example 6.7 A Purpose Statement in an Experimental Study | 133 |
| A Mixed Methods Purpose Statement | 134 |
| Example 6.8 A Convergent Mixed Methods Purpose Statement | 137 |
| Example 6.9 An Explanatory Sequential Mixed Methods Purpose Statement | 138 |
| Example 6.10 An Exploratory Sequential Mixed Methods Purpose Statement | 139 |

| | |
|--|------------|
| Summary | 140 |
| Key Terms | 140 |
| Writing Exercises | 141 |
| Additional Readings | 141 |
| Chapter 7 Research Questions and Hypotheses | 143 |
| Learning Objectives | 143 |
| Introduction | 143 |
| Quantitative Research Questions and Hypotheses | 144 |
| Example 7.1 <i>Script for a Descriptive Quantitative</i> | |
| Research Question | 145 |
| Example 7.2 <i>Script for a Relationship-Oriented Quantitative</i> | |
| Research Question and Directional Hypothesis | 145 |
| Example 7.3 <i>Example of Quantitative Directional Hypotheses</i> | 146 |
| Qualitative Research Questions | 146 |
| Example 7.4 <i>A Qualitative Central Question in an Ethnography</i> | 149 |
| Example 7.5 <i>Qualitative Central Questions in a Case Study</i> | 149 |
| Example 7.6 <i>Qualitative Sub-Questions</i> | 150 |
| Mixed Methods Research Questions and Hypotheses | 150 |
| Example 7.7 <i>Statement of Objectives in a Mixed Methods Study</i> | 152 |
| Example 7.8 <i>Research Questions in a Mixed Methods Study</i> | 153 |
| Summary | 154 |
| Key Terms | 154 |
| Writing Exercises | 154 |
| Additional Readings | 155 |
| Chapter 8 Quantitative Methods | 157 |
| Learning Objectives | 157 |
| Introduction | 157 |
| Putting Quantitative Research in Context | 158 |
| Quantitative Designs | 158 |
| Components of a Survey Study Method Plan | 159 |
| The Survey Design | 161 |
| The Purpose | 161 |
| Rationale for Using the Survey Method | 161 |
| Type of Survey Method | 161 |
| Specify the Form of Data Collection | 161 |
| The Population and Sample | 162 |
| <i>The Population</i> | 162 |
| <i>Sampling Design</i> | 162 |
| <i>Type of Sampling</i> | 162 |
| <i>Population Stratification</i> | 163 |
| <i>Sample Size Determination</i> | 163 |
| <i>Power Analysis</i> | 163 |
| Instrumentation | 163 |
| <i>The Survey Instruments Used to Collect Data</i> | 164 |

| | |
|---|-----|
| <i>Instruments and Measures</i> | 164 |
| <i>Validity of Scores Using the Instrument</i> | 164 |
| <i>Reliability of Scores on the Instrument</i> | 165 |
| <i>Inter-Rater Reliability</i> | 165 |
| <i>Sample Items</i> | 165 |
| <i>Content of an Instrument</i> | 165 |
| <i>Pilot Testing</i> | 166 |
| <i>Administering the Survey</i> | 166 |
| Variables in the Study | 166 |
| Data Analysis | 167 |
| Preregistering the Study Plan | 169 |
| Interpreting Results and Writing a Discussion Section | 170 |
| <i>Reporting Results</i> | 170 |
| <i>Statistical Tests in Survey Research</i> | 170 |
| <i>Practical Evidence</i> | 172 |
| <i>Context of Previous Studies</i> | 172 |
| Components of an Experimental Study Method Plan | 172 |
| Participants | 173 |
| <i>Recruiting Participants</i> | 173 |
| <i>Random Assignment</i> | 174 |
| <i>Power Analysis for Sample Size</i> | 174 |
| <i>Formal Design Statement</i> | 174 |
| Variables | 175 |
| <i>Independent Variables</i> | 175 |
| <i>Manipulation Check</i> | 175 |
| <i>Dependent Variables</i> | 175 |
| <i>Other Variables</i> | 175 |
| Instrumentation and Materials | 176 |
| <i>Materials</i> | 176 |
| <i>Cover Story</i> | 176 |
| Experimental Procedures | 176 |
| <i>Type of Experiment</i> | 177 |
| Example 8.1 Pre-Experimental Designs | 178 |
| Example 8.2 Quasi-Experimental Designs | 179 |
| Example 8.3 True Experimental Designs | 179 |
| Example 8.4 Single-Subject Designs | 180 |
| Threats to Validity | 180 |
| <i>Internal Validity</i> | 180 |
| <i>External Validity</i> | 182 |
| The Procedure | 182 |
| Data Analysis | 184 |
| <i>Reporting the Descriptive Statistics</i> | 184 |
| <i>Preliminary Analysis</i> | 184 |
| <i>Inferential Statistical Tests</i> | 184 |
| <i>Factorial Designs</i> | 184 |
| <i>Single-Subject Designs</i> | 185 |
| Preregistering the Study Plan | 185 |
| Interpreting Results and Writing a Discussion Section | 185 |
| Example 8.5 An Experimental Method Plan | 186 |
| Summary | 187 |

| | |
|---|------------|
| Key Terms | 187 |
| Writing Exercises | 187 |
| Additional Readings | 188 |
| Chapter 9 Qualitative Methods | 191 |
| Learning Objectives | 191 |
| Introduction | 191 |
| Putting Qualitative Research Into Context | 192 |
| Participants' Meanings | 193 |
| Natural Setting | 193 |
| Researcher as Key Instrument | 193 |
| Multiple Sources of Data | 193 |
| Inductive and Deductive Data Analysis | 194 |
| Emergent Design | 194 |
| Reflexivity | 194 |
| Researcher's Role | 195 |
| A Complex Account | 195 |
| The Approach or Design | 195 |
| Descriptive Methods | 196 |
| Analytic Frameworks | 196 |
| Data Collection Procedures | 198 |
| Sampling and Recruitment | 198 |
| Permissions | 199 |
| Data Collection Types | 199 |
| Ethical Issues | 201 |
| Data Recording Procedures | 202 |
| <i>Observation Protocol or Guide</i> | 203 |
| <i>Interview Protocol</i> | 203 |
| Data Analysis Procedures | 205 |
| Simultaneous Procedures | 205 |
| Winnowing the Data | 206 |
| Using Qualitative Computer | |
| Software Programs | 206 |
| Steps in the Analytic Process | 207 |
| <i>Step 1. Organizing and Preparing the Data for Analysis</i> | 207 |
| <i>Step 2. Reading Through All the Data</i> | 207 |
| <i>Step 3. Coding the Data</i> | 207 |
| <i>Step 4. Identifying Themes</i> | 207 |
| <i>Step 5. Developing a Story Line Interpretation</i> | 209 |
| <i>Step 6. Further Analyzing the Data Using an</i> <i>Analytic Framework</i> | 209 |
| <i>Step 7. Representing and Interpreting the Data</i> | 209 |
| Coding the Data | 209 |
| <i>Expected Codes</i> | 210 |
| <i>Surprising Codes</i> | 210 |
| <i>Codes of Unusual or Conceptual Interest</i> | 211 |
| <i>Predetermined Codes</i> | 211 |
| <i>Visual Images as Codes</i> | 211 |

| | |
|--|------------|
| Interpretation | 212 |
| Validity and Reliability | 212 |
| Defining Qualitative Validity | 213 |
| Validity Strategies | 213 |
| Reliability Strategies | 215 |
| Intercoder Agreement | 215 |
| Qualitative Generalization | 215 |
| Writing the Qualitative Report | 216 |
| Writing Strategies | 216 |
| A Sample Qualitative Method Section | 217 |
| The Qualitative Research Paradigm | 217 |
| The Ethnographic Research Design | 218 |
| The Researcher's Role | 219 |
| Bounding the Study | 219 |
| <i>Setting</i> | 219 |
| <i>Actors</i> | 220 |
| <i>Events</i> | 220 |
| <i>Processes</i> | 220 |
| Ethical Considerations | 220 |
| Data Collection Strategies | 221 |
| Data Analysis Procedures | 221 |
| Verification | 222 |
| Reporting the Findings | 223 |
| Summary | 223 |
| Key Terms | 224 |
| Writing Exercises | 224 |
| Additional Readings | 225 |
| | |
| Chapter 10 Mixed Methods Procedures | 227 |
| Learning Objectives | 227 |
| Introduction | 227 |
| Putting Mixed Methods Research in Perspective | 228 |
| Characteristics of Mixed Methods Research | 229 |
| Justification for Using | |
| Mixed Methods Research | 231 |
| Definitions of Mixed Methods Terms | 232 |
| Open- and Closed-Ended Data | 232 |
| Research Design | 233 |
| Integration | 233 |
| Joint Display | 233 |
| Metainferences | 234 |
| The Process of Conducting a Mixed Methods Study | 234 |
| Quantitative and Qualitative Data Collection | 234 |
| Core Mixed Methods Designs | 235 |
| <i>The Convergent Mixed Methods Design</i> | 235 |
| <i>Explanatory Sequential Mixed Methods Design</i> | 240 |
| <i>Exploratory Sequential Mixed Methods Design</i> | 242 |

| | |
|--|-----|
| Complex Mixed Methods Designs | 244 |
| <i>Types of Complex Designs</i> | 244 |
| <i>Development of Complex Designs</i> | 245 |
| <i>Examples of Complex Designs</i> | 245 |
| <i>Incorporating Core Designs Into Complex Designs</i> | 249 |
| Factors Important in Choosing | |
| a Mixed Methods Design | 250 |
| <i>Choice Based on Intent and Procedures</i> | 250 |
| Other Reasons for Choosing a Design | 252 |
| <i>Popular Designs in a Field or Discipline</i> | 252 |
| <i>The Single Researcher Versus a Team</i> | 253 |
| <i>Choice of Design by Advisers or Mentors</i> | 254 |
| <i>Secondary Reasons for a Choice</i> | 254 |
| Examples of Mixed Methods Procedures | 255 |
| Example 10.1 A Convergent Mixed Methods Design | 255 |
| Example 10.2 An Explanatory Sequential Mixed Methods Design | 256 |
| Example 10.3 An Exploratory Sequential Mixed Methods Design | 257 |
| Example 10.4 Social Justice Design | 258 |
| Summary | 259 |
| Key Terms | 260 |
| Writing Exercises | 260 |
| Additional Readings | 260 |
| | |
| Glossary | 263 |
| References | 271 |
| Author Index | 279 |
| Subject Index | 283 |