## BRIEF CONTENTS

| Preface                     |   | xxiii |
|-----------------------------|---|-------|
| Acknowledgmen               | ts  | xxxi  |
| PARTI                       | INTRODUCTION  | 1     |
| Chapter 1                   | Introduction to Educational Research  | 3     |
| Chapter 2                   | Quantitative, Qualitative, and Mixed Methods Research                                 | 31    |
| Chapter 3                   | Action Research for Lifelong Learning   | 61    |
| PART II                     | PLANNING THE RESEARCH STUDY   | 81    |
| Chapter 4                   | How to Critically Review the Literature and Develop<br>Good Research Questions        | 83    |
| Chapter 5                   | How to Write a Research Proposal  | 113   |
| Chapter 6                   | Research Ethics   | 127   |
|                             |   |       |
| PART III                    | FOUNDATIONS OF RESEARCH   | 157   |
| Chapter 7                   | Standardized Measurement and Assessment   | 161   |
| Chapter 8                   | Methods of Data Collection in Quantitative, Qualitative, and Mixed Methods Research   | 193   |
| Chapter 9                   | How to Construct a Questionnaire  | 223   |
| Chapter 10                  | Sampling in Quantitative, Qualitative, and Mixed Methods Research                     | 257   |
| Chapter 11                  | Validity of Research Results in Quantitative, Qualitative, and Mixed Methods Research | 289   |
| PART IV                     | SELECTING A RESEARCH METHOD   | 323   |
| Section A. Qu<br>Approaches | antitative Research Methods: Five Major   |       |
| Chapter 12                  | Experimental Research: Weak and Strong Designs  | 327   |
| Chapter 13                  | Experimental Research: Quasi-Experimental and Single-Case Designs                     | 365   |
| Chapter 14                  | Nonexperimental Quantitative Research   | 393   |

## Section B. Qualitative Research Methods: Five Major Approaches

|  | Chapter 15   | Narrative Inquiry and Case Study Research                               | 427 |
|--|--------------|---|-----|
|  | Chapter 16   | Phenomenology, Ethnography, and Grounded Theory                         | 453 |
|  | Section C. M | ixed Methods Research: Many Approaches                                  |     |
|  | Chapter 17   | Mixed Methods Research  | 479 |
|  | PART V       | ANALYZING THE DATA  | 511 |
|  | Chapter 18   | Descriptive Statistics  | 513 |
|  | Chapter 19   | Inferential Statistics  | 545 |
|  | Chapter 19A  | Chapter 19 Appendix   | 583 |
|  | Chapter 20   | Data Analysis in Qualitative and Mixed Methods Research                 | 585 |
|  | Chapter 20A  | Chapter 20 Appendix: Additional Types of Codes for Qualitative Research | 621 |
|  |              |   |     |
|  | PART VI      | WRITING THE RESEARCH REPORT   | 625 |
|  | Chapter 21   | How to Prepare a Research Report and Use APA Style Guidelines           | 627 |
|  |              |   |     |
|  | Glossary     |   | 661 |
|  | References   |   | 677 |
|  | Index        |   | 693 |
|  |              |   |     |