Contents

List of Figures *page* vii
List of Tables x
Preface xiii

Part I: Introduction to Applied Linguistics Research

1 **Introduction: The Nature and Purpose of Research** 3
2 **Applied Linguistics Research: Its Nature, Significance, and Scope** 32
3 **Ethics in Applied Linguistics Research: Principles, Best Practices, and Challenges** 55

Part II: Research Process and Designing Research

4 **The Research Process: A Ten-Step Model** 85
5 **A Framework for Understanding Research Types** 103
6 **Understanding and Describing Research Constructs and Variables** 127
7 **Review of the Literature and the Development of Research Questions** 160

Part III: Quantitative Research Designs and Data Collection

8 **Selecting Participants for Quantitative Research: Sampling Techniques and Methods** 191
9 **Designing Quantitative Research: Types and Techniques** 219
10 **Collecting Quantitative Data: Tools and Techniques** 255
11 **Understanding and Assessing Reliability in Quantitative Research** 296
12 **Understanding and Assessing Validity in Quantitative Research** 329

Part IV: Qualitative Research Designs, Data Collection, and Analysis

13 **Selecting Participants for Qualitative Research: Sampling Techniques and Methods** 353
14 **Designing Qualitative Research: Types and Techniques** 375
15 **Collecting Qualitative Data: Methods and Strategies** 406
16 **Analyzing Qualitative Data: Techniques and Strategies** 438
17 **Understanding and Establishing Reliability and Validity in Qualitative Research** 466

Part V: Quantitative Research: Data Analysis and Interpretation

18 **Analyzing Quantitative Data: Descriptive Statistics** 495

19 **Analyzing Quantitative Data: Exploring Key Concepts in Inferential Statistics** 531

20 **Commonly Used Inferential Statistics Tests in Applied Linguistics Research: Parametric Tests** 556

21 **Commonly Used Inferential Statistics Tests in Applied Linguistics Research: Nonparametric Tests** 628

22 **Advanced Statistical Models: GLMs, Mixed Models, and Multivariate Analysis** 659

23 **Effect Sizes: Types, Calculations, and Interpretation** 689

Part VI: Carrying Out Mixed Methods Research

24 **Mixed Methods Research: Integrating Qualitative and Quantitative Approaches** 719

Part VII: Dissemination of Research Findings

25 **Disseminating Research Findings: Writing Research Reports** 751

References 782

Index 793