

## Contents

<i>Preface</i>	ix
<i>Acknowledgements</i>	xi
<b>1 Research Approaches in Applied Settings</b>	1
DAVID L. GAST and JENNIFER R. LEDFORD	
<b>2 Ethical Principles and Practices in Research</b>	27
LINDA MECHLING, DAVID L. GAST, and JUSTIN D. LANE	
<b>3 Writing Tasks: Literature Reviews, Research Proposals, and Final Reports</b>	43
MARK WOLERY, KATHLEEN LYNNE LANE, and ERIC ALAN COMMON	
<b>4 Replication</b>	77
DAVID L. GAST and JENNIFER R. LEDFORD	
<b>5 Dependent Variables, Measurement, and Reliability</b>	97
JENNIFER R. LEDFORD, JUSTIN D. LANE, and DAVID L. GAST	
Appendix 5-1: Trial-Based Event Recording	
Appendix 5-2: Free Operant Timed Event Recording	
Appendix 5-3: Interval Recording	
Appendix 5-4: Duration per Occurrence Recording	
<b>6 Independent Variables, Fidelity, and Social Validity</b>	133
ERIN E. BARTON, HEDDA MEADAN-KAPLANSKY, and JENNIFER R. LEDFORD	
Appendix 6-1: Implementation Fidelity—Teacher Training	
Appendix 6-2: Board Game Study Procedural Fidelity	
Appendix 6-3: Procedural Fidelity (Expressive Task) 4s CTD	
Appendix 6-4: Procedural Fidelity Teaching Coaching	



<b>7 Visual Representation of Data</b>	157
AMY D. SPRIGGS, JUSTIN D. LANE, and DAVID L. GAST	
<b>8 Visual Analysis of Graphic Data</b>	179
ERIN E. BARTON, BLAIR P. LLOYD, AMY D. SPRIGGS, and DAVID L. GAST	
<b>9 Withdrawal and Reversal Designs</b>	215
DAVID L. GAST, JENNIFER R. LEDFORD, and KATHERINE E. SEVERINI	
Appendix 9–1: Visual Analysis for A-B-A-B Withdrawal Design	
<b>10 Multiple Baseline and Multiple Probe Designs</b>	239
DAVID L. GAST, BLAIR P. LLOYD, and JENNIFER R. LEDFORD	
Appendix 10–1: Visual Analysis for Multiple Baseline and Multiple Probe Designs	
<b>11 Comparative Designs</b>	283
MARK WOLERY, DAVID L. GAST, and JENNIFER R. LEDFORD	
Appendix 11–1: Visual Analysis for Multitreatment Designs	
<b>12 Combination and Other Designs</b>	335
JENNIFER R. LEDFORD and DAVID L. GAST	
<b>13 Evaluating Quality and Rigor in Single Case Research</b>	365
JENNIFER R. LEDFORD, JUSTIN D. LANE, and ROBYN TATE	
Appendix 13–1: Choosing an Appropriate Research Design	
Appendix 13–2: Quality and Rigor Checklist	
<b>14 Synthesis and Meta-analysis of Single Case Research</b>	393
MARIOLA MOEYAERT, KATHLEEN N. ZIMMERMAN, and JENNIFER R. LEDFORD	
Appendix 14–1: Visual Analysis Worksheet	
Appendix 14–2: Data Extraction Decision Worksheet	
<b>Index</b>	417