Contents

| Pretace | 1X |
|--|-----|
| Acknowledgments | xi |
| Part I. Paradigms and Politics of Research | 1 |
| 1. Introduction to Mixed Method and Mixed | |
| Model Studies in the Social and Behavioral | |
| Sciences | 3 |
| 2. Pragmatism and the Choice of Research | |
| Strategy | 20 |
| 3. Research Design Issues for Mixed Method | |
| and Mixed Model Studies | 40 |
| Part II. Methods and Strategies of Research | 59 |
| 4. Sampling, Measurement, and Quality of | |
| Inferences | 61 |
| 5. Data Collection Strategies and Research | |
| Procedures | 95 |
| 6. Alternatives to Traditional Data Analytic | |
| Strategies | 112 |
| Part III. Applications, Examples, and | |
| Future Directions of Mixed Model Research | 137 |
| 7. Examples of Mixed Model Designs | 139 |
| 8. Extended Examples of Mixed Model Designs | 149 |
| 9. Conclusions and Future Directions | 167 |
| References | 171 |
| Index | 181 |
| About the Authors | 185 |
| | |

Index

| Actor-observer differences, 9, 107 | item-total, 82, |
|---|---|
| Analysis, | multiple, 117, 118 |
| componential, 119, 124, 125 | phi, 181, 142 |
| concurrent, 128-129 | partial, 88 |
| constant-comparative, see Constant-com- | Pearson, 114, 118 |
| parative analysis | Correlational studies/analysis, 37-38, 156 |
| domain, 119, 124 | Covariate, 88 |
| parallel, 128 | Covariate-adjusted scores, 135 |
| simple valence, 118-119 | Credibility, 67, 69-71, 77, 85-86, 90, 91-93, |
| taxonomic, 119, 124 | 168 |
| Analysis of covariance (ANCOVA/MAN- | Cross-cultural research, 101-102, 110 |
| COVA), 88, 116, 118, 135 | Cultural artifacts, 59 |
| Analysis of variance (ANOVA/MANOVA), | Cultural domains, 124 |
| 15, 116, 118, 127, 129, 158, 161, 162 | Cultural knowledge, 124 |
| Attitude scales, 81, 97, 102, 104-105 | Cultural observations, 110 |
| likert-type, 19, 102, 104, 153 | Cultural scene, 123-124 |
| semantic differential, 104-105 | |
| Audit, 89 | Data quality, 75-78. See also Reliability; Va- |
| confirmability, 92 | lidity |
| dependability, 92 | Dependability, 75, 90, 92 |
| inferential consistency, 69-70, 93. See | Developmental research, 37 |
| also Inferential consistency | Developmental Research Sequence, 118 |
| Average deviation, 114 | 119, 122-124 |
| Axiology, 7, 10, 23, 26, 168 | Discriminant function analysis, 117, 118 127, 134 |
| Categorizing (analysis), 123 | Discriminant validity, 82-83 |
| Cluster analysis, 127, 132 | Dominant-less dominant design, 15, 18, |
| Concurrent analysis, 129 | 44-46 |
| Concurrent design, 18 | Double blind procedures, 89 |
| Concurrent mixed data analysis, 127-128 | Effect size, 109 |
| Confirmability, 70, 90, 92 | Emerging themes, 118-119, 122-124, 132 |
| Constant comparative design/analysis, 19, | 134, 161 |
| 46, 118, 122-124, 127, 136, 143, 160, 163 | Epistemology, 7, 10, 12, 16, 23, 167 |
| Construct | Equivalent status design, 15, 18, 43-44 |
| identification, 60, 134-135 | Error variance, 35, 31, 53 |
| validation, 60, 134-135 | Experimental variance, 31. See also MAX |
| validity, 40, 81, 76 | MINCON Principle |
| Correlation, 116, 118 | Explanation credibility, 69 |
| bivariate, 117, 181 | External validity, 4, 26, 35, 62-67, 72-77, 88 |
| canonical, 117, 118 | 103. See also Transferability |

Extraneous variables, 31, 35-36, 53, 68, 86-89, 116

Factor analysis, 19, 117-118, 127, 134-136 Factorial design, 88, 116 Focus group, 102, 134, 135, 153

Generalizability, 70. See also External validity; Transferability

Inferential consistency, 89-90, 115. See also
Internal validity
Information quality. See Data quality
Interaction effects, 88, 129. See also Analysis of variance
Interaction analysis, 59. See also Sociometry
Inventories, 103-104
Item-analysis, 82

Latent variable, 80. *See also* Construct Logistic regression, 118, 134, 146

Manifest content analysis, 118-123
Matching, 86, 88
MAXMINCON principle, 31, 33, 35, 68, 69, 86
Mean, 113-116
Measurement quality. See Validity; Reliability Measurement validity. See Validity
Median, 113
Member checks, 92, 107
Meta-analysis, 109
Mode, 113
Multicultural research, 101, 103

Negative case analysis, 91

Observation, 24, 23, 59, 65, 66-67, 105-107 Ontology, 7, 10, 23, 27, 168 Oral histories, 108

Parallel mixed analysis, 127-129
Parallel/simultaneous design/study, 15, 18, 19, 43, 47, 50, 56, 58, 149, 151, 153
Participant reactivity, 87, 97-98, 105, 106

Participant roles. See Participant reactivity
Peer debriefing, 91
Percentile rank, 114
Persistent observation, 90, 169
Population, 62-65, 75-76, 103, 157
Profiles, 50, 131-133, 147
average, 131
comparative, 131
holistic, 131
modal, 131
normative, 132
Prolonged engagement, 90

Qualitative Data Analysis Matrix, 118-119
Qualitative surveys, 128
Qualitizing, 125-126, 137, 144, 154
Quantitizing, 19, 120, 125-126, 142, 161, 163, 169
Quasi-experimental designs, 12, 23, 39, 71

Random assignment, 86
Reactivity. See Participant reactivity
Referential adequacy, 92
Reflexive journal, 93
Reliability, 59-60, 75, 77, 79-80, 82-84, 85
interjudge, 85
internal consistency, 80, 85
interobserver, 80, 85
interrater, 80, 85
intrajudge, 85
parallel forms, 85
split half, 85
test-retest, 80, 85
Residual scores, 135

Sampling, 55, 59, 61-74, 120 cluster, 73-75 convenience, 76 maximum variance, 32-33 multistage cluster, 74, 75 purposive, 76 random, 74,75 sequential, 76 snowball, 76 stratified, 74, 75 systematic, 75

| Sampling bias, 71-73 Scale, 78 | Type II mixed model design, 56-57, 139 142, 161, 168 |
|--|---|
| interval, 79 nominal, 79 | Type III mixed model design, 56-57, 139, 145, 162, 168 |
| ordinal, 78 qualitative-narrative, 78 | Type IV mixed model design, 56-57, 139, 145-146, 162, 168 |
| ratio, 79 Sequential design/study, 15, 19, 43-47,49, | Type V mixed model design, 56-57, 139, 144, 164, 168 |
| 57-58, 126, 149-153 Sequential QUAL-QUAN analysis, 127, | Type VI mixed model design, 56-57, 139, 145-146, 164-165, 168 |
| 133-134 Sequential QUAN-QUAL analysis, 127, | Type VII mixed model design, 56-58, 139, 151, 153, 168 |
| 135-136 Simple valence analysis, 119 | Type VIII mixed model design, 56-58, 139, 151, 153, 168 |
| Sociogram, 108, 164-165 Sociometry, 108 | Typology mixed model development, 80, 133, 115 |
| Standard deviation, 114-115 | |
| Standard scores, 115 | Unitizing, 123 |
| Statistical analysis, 112-117, 129, 140 | |
| Statistical conclusion validity, 67, 71, 72, 86 | Validation, known-group, 82 |
| Statistical regression, 87 | Validity, measurement, 79, 75, 79-80, 85, 89, |
| Survey, 19, 37, 46-50, 110, 127-128, 133- 135, 144-145, 147 | 108 concurrent, 83 |
| Survey, mail, 71, 103 | construct 80, 83 |
| Survey, qualitative, 128 | content 83 |
| | convergent, 83 |
| Taxonomic analyses, 124 | discriminant, 83 |
| Thick description, 92 | empirical, 81-82 |
| Transferability, 65-66 | face, 81 |
| Translation fidelity, 69 | judgmental, 81-82 |
| Triangulation, 14, 18, 22, 41-42, 43, 82-83, | predictive, 83 |
| 91, 127-128, 169 | Variance, 9. See also Error variance; Experi- |
| Trustworthiness, 75, 90-93, 169 | mental variance |
| Type I mixed model design, 56-57, 139, 141- | |
| 142, 160-161, 168 | Z-score, 114. See also Standard scores |
| | |