

# Qualitative Data Analysis

# Contents

<b>List of Figures, Tables, and Boxes</b>	<b>viii</b>	Format of Specific Methods	12
<b>Acknowledgments</b>	<b>xii</b>	Suggestions for Users	12
<b>I. Introduction</b>	<b>1</b>	<b>2. Focusing and Bounding the Collection of Data: The Substantive Start</b>	<b>16</b>
A. The General Problem	1	Tight Versus Loose: Some Trade-offs	16
B. The Nature of This Book	2	A. Building a Conceptual Framework	18
Audiences	3	B. Formulating Research Questions	22
Approach	3	C. Defining the Case: Bounding the Territory	25
C. Our Orientation	4	D. Sampling: Bounding the Collection of Data	27
D. Varieties of Qualitative Research	5	E. Instrumentation	34
Recurring Features of Qualitative Research	5	Summary Comments	38
Three Approaches to Qualitative Data Analysis	8	<b>3. Focusing and Bounding the Collection of Data: Further Design Issues</b>	<b>40</b>
Analytic Methods: Some Common Features	9	A. Linking Qualitative and Quantitative Data	40
E. The Nature of Qualitative Data	9	Rationale	40
General Nature	9	Brief Description	42
Some Underlying Issues	9	Illustrations	42
Strengths of Qualitative Data	10	Advice	43
F. Our View of Qualitative Analysis	10	B. Management Issues Bearing on Analysis	43
Data Reduction	10	Computer Use	43
Data Display	11	Data Management	45
Conclusion Drawing and Verification	11	Staffing and Time Planning	46
G. Using This Book	12	Agreements With Study Participants	47
Overview	12	Summary Comments	48

<b>4. Early Steps in Analysis</b>	<b>50</b>		
Our Assumptions About "Data"	51		Summary Comments
A. Contact Summary Sheet	51		
Document Summary Form	54		
B. Codes and Coding	55		
Reflective Remarks	66		
Marginal Remarks	66		
C. Pattern Coding	69		
D. Memoing	72		
Developing Propositions	75		
E. Case Analysis Meeting	76		
F. Interim Case Summary	77		
Data Accounting Sheet	80		
G. Vignettes	81		
H. Prestructured Case	83		
I. Sequential Analyses	85		
Summary Comments	88		
<b>5. Within-Case Displays: Exploring and Describing</b>	<b>90</b>		
Describing and Explaining	90		
A. How Data Displays Work	91		
B. Partially Ordered Displays	102		
Context Chart	102		
Checklist Matrix	105		
The Transcript as Poem	110		
C. Time-Ordered Displays	110		
Event Listing	110		
Critical Incident Chart	115		
Event-State Network	115		
Activity Record	117		
Decision Modeling	117		
Growth Gradient	118		
Time-Ordered Matrix	119		
D. Role-Ordered Displays	122		
Role-Ordered Matrix	122		
Role-by-Time Matrix	126		
E. Conceptually Ordered Displays	127		
Conceptually Clustered Matrix	127		
Thematic Conceptual Matrix	131		
Folk Taxonomy	133		
Cognitive Maps	134		
Effects Matrix	137		
Summary Comment	141		
<b>6. Within-Case Displays: Explaining and Predicting</b>	<b>143</b>		
A. Explanations and Causality	144		
What Does It Mean to Explain Something?	144		
A Way of Thinking About Causality	145		
The Power of Qualitative Causal Analysis	147		
B. Explanatory Effects Matrix	148		
C. Case Dynamics Matrix	148		
D. Causal Network	151		
Verifying Causal Networks	163		
E. Making and Testing Predictions	165		
<b>7. Cross-Case Displays: Exploring and Describing</b>			
A. Cross-Case Analysis: Overview			
Why Do Cross-Case Analysis?			
A Key Distinction: Variables Versus Cases			
Strategies for Cross-Case Analysis			
B. Partially Ordered Displays			
Partially-Ordered Meta-Matrix			
C. Conceptually Ordered Displays			
Content-Analytic Summary Table			
Substructuring a Variable			
Construct Table			
Decision Tree Modeling			
D. Case-Ordered Displays			
Case-Ordered Descriptive Meta-Matrix			
Ordering Cases Through Summed Indices			
Two-Variable Case-Ordered Matrix			
Contrast Table			
Scatterplot			
E. Time-Ordered Displays			
Time-Ordered Meta-Matrix			
Scatterplots Over Time			
Composite Sequence Analysis			
Summary Comments			
<b>8. Cross-Case Displays: Ordering and Explaining</b>			
A. Explaining Through Comparative Analysis			
The Main Issue			
Working Principles			
B. Case-Ordered Effects Matrix			
C. Case-Ordered Predictor-Outcome Matrix			
Predictor-Outcome Consequences Matrix			
D. Variable-by-Variable Matrix			
E. Causal Models			
Causal Chains			
F. Causal Networks—Cross-Case Analysis			
Antecedents Matrix			
Summary Comments			
<b>9. Matrix Displays: Some Rules of Thumb</b>			
A. Building Matrix Displays			
Matrix Elements			
Rules of Thumb for Matrix Building			
B. Entering Matrix Data			
Rules of Thumb for Data Entry			
C. Drawing Conclusions From Matrix Data			
Rules of Thumb for Conclusion Drawing			
<b>10. Making Good Sense: Drawing and Verifying Conclusions</b>			
A. Tactics for Generating Meaning			
1. Noting Patterns, Themes			
2. Seeing Plausibility			

3. Clustering	248	<b>12. Producing Reports</b>	<b>298</b>
4. Making Metaphors	250	The General Problem	298
5. Counting	252	Audiences and Effects	299
6. Making Contrasts/Comparisons	254	Voices, Genres, and Stances	300
7. Partitioning Variables	254	Style	301
8. Subsuming Particulars Into the General	255	Formats and Structures	301
9. Factoring	256	Using Reports	304
10. Noting Relations Between Variables	257	Summary Comments	306
11. Finding Intervening Variables	258	<b>13. Concluding Remarks</b>	<b>307</b>
12. Building a Logical Chain of Evidence	260	Seeing Qualitative Analysis Whole	307
13. Making Conceptual/Theoretical Coherence	261	Reflections	309
B. Tactics for Testing or Confirming Findings	262	Advice	310
1. Checking for Representativeness	263		
2. Checking for Researcher Effects	265		
3. Triangulating	266		
4. Weighting the Evidence	267		
5. Checking the Meaning of Outliers	269		
6. Using Extreme Cases	270		
7. Following Up Surprises	270		
8. Looking for Negative Evidence	271		
9. Making If-Then Tests	271		
10. Ruling Out Spurious Relations	272		
11. Replicating a Finding	273		
12. Checking Out Rival Explanations	274		
13. Getting Feedback From Informants	275		
C. Standards for the Quality of Conclusions	277		
Objectivity/Confirmability	278		
Reliability/Dependability/Auditability	278		
Internal Validity/Credibility/Authenticity	278		
External Validity/Transferability/Fittingness	279		
Utilization/Application/Action Orientation	280		
D. Documentation	280		
Summary Comments	286		
<b>II. Ethical Issues in Analysis</b>	<b>288</b>	<b>Appendix: Choosing Computer Programs for Qualitative Data Analysis</b>	<b>311</b>
Some Framing Remarks	288	1. Overview and Suggestions for Use	311
Ethical Theories	289	2. Software Types and Functions	311
Specific Ethical Issues	290	General Types	311
Conflicts, Dilemmas, and Trade-offs	295	Specific Functions: What to Look For	312
Advice	296	Other Considerations	313
Summary Comments	297	3. How to Choose Software: Key Questions	313
		What Kind of Computer User Are You?	313
		What Kind of Database and Project Is It?	314
		What Kind of Analysis Is Anticipated?	314
		4. Program Characteristics	315
		5. Program Developers and Distributors	315
		6. References	317
		<b>References</b>	<b>318</b>
		<b>Author Index</b>	<b>331</b>
		<b>Subject Index</b>	<b>334</b>
		<b>About the Authors</b>	<b>337</b>