

Contents

Part I. Data Collection

1. The data matrix		5. Collection	
1. The tripartite form of data	9	1. The main forms of data collection	109
2. The number of units and variables	14	2. Non-verbal vs verbal responses	111
3. Observation and inference	27	3. Verbal responses; oral vs written	115
4. Classes of variables and models for research	29	4. Informal vs formal settings	118
2. Units		5. Formal settings: unstructures vs structured	119
1. Levels of analysis	37	6. The problem of validity	121
2. The fallacy of the wrong level	45	6. Surveys	
3. The problem of sampling	48	1. The first steps	129
4. Content analysis	67	2. The pretest	137
3. Variables		3. The data collection	142
1. Levels of analysis	72	4. Limitations of the survey method	148
2. The fallacy of the wrong level	79	<i>Appendix A:</i>	
3. The problem of selection	80	An example of an interview guide	161
4. Panel analysis and structural analysis	84	<i>Appendix B:</i>	
4. Values		Sampling in social research	164
1. The idea of evaluation	90		
2. The number of values	94		
3. The role of the neutral category	98		
4. Variety and constraint	120		

Part II. Data Analysis

1. Processing		2. Dimensions of hypotheses	315
1. The structure and function of processing	169	3. Statistical hypotheses	340
2. The information channel and the sources of noise	174	4. On the use of statistical tests	358
3. Variable-centered and unit-centered analysis	178	5. Analysis	
2. Distributions		1. The first steps	390
1. Statistical distributions	181	2. Covariation as an analytical tool	395
2. Frequencies and percentages	189	3. Multivariate analysis	399
3. Parameters	204	4. Methods of replication	437
4. Curve shape analysis	231	6. Theories	
3. Patterns		1. Definition of 'theory'	451
1. Patterns and indices	240	2. Dimensions of theories	458
2. Additive indices	250	3. Correlational, causal, and functional analysis	466
3. Cumulative indices	365	4. Limitations in contemporary social research	481
4. Comparative indices	270		
5. Manifest vs latent	274	<i>Appendix C:</i>	
6. Latent structure analysis	282	Sheets for data processing	491
7. Items vs indicators	292		
8. Graph, cluster, and factor analysis	301	<i>Appendix D:</i>	
4. Hypotheses		Styles of social science in United States, Europe, and Latin America	499
1. Definition of 'hypothesis'	309		