

Contents

<i>Preface</i>	xi
CHAPTER 1: <i>The First Rule</i>	
There Should Be the Possibility of Surprise in Social Research	1
<i>Selecting a Research Question</i>	2
<i>Researchable Questions</i>	2
<i>Interesting Questions</i>	4
<i>Selecting a Sample</i>	18
<i>Samples in Qualitative Studies</i>	23
<i>Is Meaningful Social Research Possible?</i>	26
<i>Summary</i>	29
<i>Student Exercises on Rule 1</i>	31
CHAPTER 2: <i>The Second Rule</i>	
Look for Differences That Make a Difference, and Report Them	36
<i>You Can't Explain a Variable with a Constant</i>	37
<i>Maximizing Variance to Find the Effect of a Cause</i>	39
<i>Size versus Statistical Significance</i>	41
<i>Comparing Effects Where There Is a Common Metric</i>	42
<i>Calibration: Converting Explanatory Variables to a Common Metric</i>	44
<i>Substantive Profiling: The Use of Telling Comparisons</i>	46
<i>Visual Presentation of Results</i>	51
<i>Policy Importance</i>	53
<i>Importance for Theory</i>	54
<i>Conclusion</i>	56
<i>Student Exercises on Rule 2</i>	58
CHAPTER 3: <i>The Third Rule</i>	
Build Reality Checks into Your Research	64
<i>Internal Reality Checks</i>	65
<i>Reality Checks on Data—Dubious Values and Incomplete Data</i>	65

<i>Reality Checks on Measures—Aim for Consistency in Conceptualization and Measurement</i>	69
<i>Reality Checks on Models—The Formal Equivalence Check</i>	71
<i>External Reality Checks: Validation with Other Data and Methods</i>	76
<i>Using Causal-Process Observations to Test Plausibility of Results</i>	77
<i>Using Ethnographic Data to Help Interpret Survey Results</i>	79
<i>Other Examples of Multiple-Method Research</i>	81
<i>Concluding Remark</i>	82
<i>Student Exercises on Rule 3</i>	84
CHAPTER 4: <i>The Fourth Rule</i>	
Replicate Where Possible	90
<i>Sources of Uncertainty in Social Research</i>	91
<i>Overview: From Population to Sample and Back to Population</i>	93
<i>Measurement Error as a Source of Uncertainty</i>	100
<i>Illustration: Two Methods for Estimating Global Poverty</i>	101
<i>Toward a Solution: Identical Analyses of Parallel Data Sets</i>	105
<i>Meta-analysis: Synthesizing Results Formally across Studies</i>	106
<i>Summary: Your Confidence Intervals Are Too Narrow</i>	109
<i>Student Exercises on Rule 4</i>	111
CHAPTER 5: <i>The Fifth Rule</i>	
Compare Like with Like	120
<i>Correlation and Causality</i>	121
<i>Types of Strategies for Comparing Like with Like</i>	129
<i>Matching versus Looking for Differences</i>	130
<i>The Standard Regression Method for Comparing Like with Like</i>	131
<i>Critique of the Standard Linear Regression Strategy</i>	132
<i>Comparing Like with Like Through Fixed-Effects Methods</i>	134
<i>First-Difference Models: Subtracting Out the Effects of Confounding Variables</i>	134
<i>Special Case: Growth-Rate Models</i>	138
<i>Sibling Models</i>	140
<i>Comparing Like with Like through Matching on Measured Variables</i>	146
<i>Exact Matching</i>	146
<i>Propensity-Score Method</i>	147
<i>Matching as a Preprocessing Strategy for Reducing Model Dependence</i>	151
<i>Comparing Like with Like through Naturally Occurring Random Assignment</i>	152
<i>Instrumental Variables: Matching through Partial Random Assignment</i>	153

<i>Matching Through Naturally Occurring Random Assignment to the Treatment Group</i>	158
<i>Comparison of Strategies for Comparing Like with Like</i>	159
<i>Conclusion</i>	162
<i>Student Exercises on Rule 5</i>	165
CHAPTER 6: <i>The Sixth Rule</i>	
Use Panel Data to Study Individual Change and Repeated Cross-section Data to Study Social Change	172
<i>Analytic Differences between Panel and Repeated Cross-section Data</i>	173
<i>Three General Questions about Change</i>	175
<i>Changing-Effect Models, Part 1: Two Points in Time</i>	176
<i>Changing-Effect Models, Part 2: Multilevel Models with Time as the Context</i>	182
<i>What We Want to Know</i>	183
<i>The General Multilevel Model</i>	183
<i>Convergence Models</i>	185
<i>The Sign Test for Convergence: Comparing Your ϕs and δs</i>	186
<i>Convergence Model versus Changing-Effect Model</i>	191
<i>Bridging Individual and Social Change: Estimating Cohort Replacement Effects</i>	195
<i>An Accounting Scheme for Social Change</i>	197
<i>Linear Decomposition Method</i>	198
<i>Summary</i>	201
<i>Student Exercises on Rule 6</i>	203
CHAPTER 7: <i>The Seventh Rule</i>	
Let Method Be the Servant, Not the Master	207
<i>Obsession with Regression</i>	209
<i>Naturally Occurring Random Assignment, Again</i>	209
<i>Decomposition Work in the Social Sciences</i>	218
<i>Decomposition of Variance and Inequality</i>	220
<i>Decomposition of Segregation Indexes</i>	222
<i>The Effects of Social Context</i>	226
<i>Context Effects as Objects of Study</i>	227
<i>Context Effects as Nuisance</i>	230
<i>Critical Tests in Social Research</i>	231
<i>Conclusion</i>	235
<i>Student Exercises on Rule 7</i>	236
References	241
Index	253