

Contents

	List of Figures	page xiii
	List of Tables	XV
	Preface	xvii
	Part I: Criminological and Criminal Justice Research	1
1	Introduction	3
	The Goal of This Book	4
	The Argument and Structure of This Book	11
2	Science and Criminological and Criminal Justice Research	1 8
	Introduction	18
	What Is Science?	19
	Science and Research	19
	Scientific Progress and the Accumulation of Knowledge	25
	Natural Sciences vs. Social Sciences	29
	Science and "Evidence-Based" Policy	30
	The Art of Conducting Scientific Research	32
	What Is Criminological and Criminal Justice Research?	33
	Preliminary Observations	33
	Some Historical Context	36 45
	Criminological and Criminal Justice Research Conclusion	43 47
3	The Science and Art of Conducting, Evaluating, and Using	J
	Research: Initial Observations	49
	Introduction	49
	What Is Research Design?	49
	Research Goals	51
	Empirical Description of the Social World	54
	Identifying Socially Meaningful Descriptions and Possible	
	Causes of Social Phenomena	57
		vii



viii Contents

	Identifying and Testing Causal Relationships and Theory	39
	Criminal Justice Policy-Focused Questions	61
	The Research Process	62
	Thinking Like a Chef, Architect, Composer, or a Researcher	63
	Framing the Question	64
	Theorizing, Hypothesizing, and Mapping Out Causal Pathways	69
	Sampling People, Places, Organizations	71
	Collecting Data	72
	Analysis	74
	Presenting Findings in an Accurate and Useful Manner	75
	Experiments Are an Important Type of Research Design,	
	but Far from the Only Kind	76
	Conclusion	77
	Part II: Essential Research Ingredients:	
	Theory, Data, and Analysis	79
	incory, Data, and marysis	1)
4	The Role of Theory in Research	81
	Introduction	81
	What Is Theory?	82
	Theory as a Guide	82
	Theory Defined	82
	Theory in Practice	85
	How Is Theory Useful?	86
	Theory Can Help in Describing and Understanding Social	
	Phenomena	86
	Theory Can Help in Providing Causal Explanations	90
	Theory Can Help in Guiding Policy	92
	The Problem of Proceeding without Theory	95
	The Problem of Proceeding with Theory	97
	How to "Do" Theoretical Research?	98
	What Types of Criminological and Criminal Justice Theories Exist?	104
	What Is the Relevance of Theory for Data and Analysis?	105
	Conclusion	108
5	The Role of Data in Research	110
	Introduction	110
	The Importance of Data for Research	111
	Obtaining the "Best" Data	114
	Understand First that Data Are Not Intrinsically Meaningful	115
	Theory and Research Questions Should Drive Data Decisions	113
	Rely on Accurate Data	119
	Create or Use Data that Are Representative or Allow	11/
	for Generalizable Statements	120
	Create and Use Trustworthy Data	123
	Create and Ose Trustworthy Data	143



	Contents	ix
	T (D)	122
	Types of Data	123
	Surveys	124
	Interviews	127
	Focus Groups	129
	Ethnographies	130
	Administrative Records	132
	Still Other Data Sources: Content Analyses, "Big Data," and More	134
	Mixed-Methods Data Collection	137
	Strategies for Obtaining the "Best" Data	138
	Existing Data: Use It When Appropriate and When You Can! Don't Just Work through "Gatekeepers" to Obtain Data – Engage	139
	Them for Insights	139
	Think Clearly about Samples and Sampling	140
	Use Prior Data Collection Efforts as a Guide to Creating Data	143
	Address Missing Data – Don't Ignore It or Throw Out Information!	143
	Be Pragmatic and Creative	144
	A Nuts-and-Bolts Issue: Preparing Data for Analysis	145
	"Cleaning" and Preparing Data	145
	Creating Measures	147
	Documenting and Describing Coding Decisions	150
	Conclusion	151
6	The Role of Analysis in Research	152
	Introduction	152
	Many Analysis Options - What Is Best Depends on the	
	Question, Data, and More	153
	Analyses for Creating Better Measures	158
	Analyses for Empirical Description	160
	Analyses for Describing Social Meanings and Causes	162
	Analyses for Identifying or Testing Causal Relationships	167
	Experiments as a Way of Testing for Causal Effects	168
	The Logic of Multivariate Analyses: Estimating Causal Effects	169
	Regression Analysis with Various Kinds of Outcomes	170
	Structural-Equation Modeling	171
	Multilevel Analyses	173
	Time Series Analyses	175
	Life-Course Analyses	177
	Spatial Analyses	178
	Matching Analyses	179
	Instrumental Variable Analyses	180
	And Many Other Kinds of Quantitative Analyses	181
	Qualitative Analyses	182
	Analyses for Policy and Program Analysis	183
	Meta-Analysis and Systematic Reviews	183
	Meta-Analysis and Systematic Reviews Effectively Displaying and Conveying Information Conclusion	183 184 185



x Contents

Basic (Science-Focused) vs. Applied (Policy-Focused)	
Research	•
Introduction	
Basic (Science-Focused) Research vs. Applied (Policy-Focused) Research	гh
The Evaluation Research Hierarchy	
Needs Evaluation	
Theory Evaluation	
Implementation (or "Process") Evaluation	
Outcome and Impact Evaluations	
Cost-Efficiency (Cost-Effectiveness or Cost-Benefit) Evaluation	
Benefits of Evaluation Research	
Basic Research Can Have Policy Implications and Policy	
Research Can Advance Science	
Challenges in Providing Useful Guidance to Policymakers and	
Administrators	
Conclusion	
Identifying Causal Effects	
Introduction	
What Is Causality?	
Types of Causal Effects	
Linear Effects – The Assumed Causal Relationship in Many	
Theories and Policies	
Nonlinear Effects - The Reality that May Underlie Many Causal	
Relationships	
Curvilinear	
Tipping Point (Threshold)	
Interactive (Moderating)	
Dose	
Reciprocal or Self-Reinforcing Effects and Feedback Loops	
Still Other Causal Effects	
Direct vs. Indirect	
Proximity in Time or Space	
Reversible vs. Irreversible	
Multiple	
Conclusion	
Criminological and Criminal Justice Research Areas and To	pi
Introduction	
The Research Matrix of Criminological and Criminal Justice Research	:h
The Partial Research Matrix: Research Goals and Topics	



Contents

	Informal Social Control	238
	Formal Social Control	239
	Corrections	240
	Criminal Justice System	241
	Juvenile Justice System	242
	Victimization	243
	Media	244
	Public Opinion	244
	Philosophy and Ethics	245
	Measurement and Methods	247
	Demographic Dimensions	248
	Biological Dimensions	249
	Psychological Dimensions	249
	Social Dimensions	250
	The Full Research Matrix: Goals × Topics × Units of Analysis ×	251
	Data × Analyses	251
	Research Opportunities and their Implications	253
	Conclusion	255
	Part IV: Chefs in the Kitchen	257
10	Cuitorio for Conduction Francisco and Haira Baroarch	250
10	Criteria for Conducting, Evaluating, and Using Research	
	Introduction	259
	Criteria for Conducting Research	260
	Research Infrastructure and Staffing	262
	Prior Relevant Literature	262
	Appropriate Theory, Data, and Analyses	263
	Accuracy and Trustworthiness Consistent vs. Inconsistent Results	263 264
	Hypothesis Testing	265
	Specific Contributions and Limitations of a Study	266
	Efficiency	268
	Criteria for Evaluating Research – All of the Above Plus	200
	Several Others	268
	Predictive Power of Theories	268
	Replication	270
	Relevance for Science or Policy	272
	Criteria for Using Research	273
	Ethics and Research	274
	Political Influences on Research	275
	Institutional Review Boards (IRBs) and Potential Harms to	
	Human Subjects	276
	Objective Research and Ethical Considerations	278
	Other Considerations	279
	Conclusion	280

жi



xii Contents

11

The Science and Art of Conducting, Evaluating, and Using		
Research: Practical Steps	281	
Introduction	281	
Science and Art – There Is No Single Best Way to Conduct,	_01	
Evaluate, or Use Research	282	
Guidance for Researchers	286	
Let your Interests and Questions Drive the Research	286	
Attend to the Craft of Research	290	
Let Prior Research Inform your Research	292	
Consult and Collaborate	293	
Enjoy the Benefits of Multidisciplinary Research	294	
Enjoy the Benefits of Multimethods Research	294	
Know and Leverage your Personality	296	
Balance Being a Specialist and a Generalist	297	
Look for and Seize Opportunities	297	
Avoid Piecemeal Publishing	298	
Be a "Renaissance" Person: Read Widely	299	
Be a "Renaissance" Researcher: Do Everything		
(Ideas, Theory, Data, Analysis, Writing)	300	
Take Charge of your Research Career	301	
Use a "Due Diligence" Research Checklist	303	
Guidance for Those Who Request and Need to Evaluate and Use		
Research	305	
Read Research	306	
Think Carefully about Generalizability and Truth	309	
Take Charge of Driving the Research Questions	310	
Listen to Researchers	311	
Obtain Information from Multiple Sources	312	
Seek Independent Research	312	
Create the Infrastructure Necessary to Provide the Research that		
You Need	313	
Check Whether a Study Used "Due Diligence"	313	
Conclusion	313	
References	315	
Index	345	