CONTENTS

List of Illustrations vii
List of Tables ix
Preface xiii
Acknowledgments xvi
Introduction 3

PART ONE DIVERSITY-ORIENTED RESEARCH

ONE

Diversity-Oriented Research: Between Complexity and Generality 21

TWO

Constituting Populations

43

THREE
Studying Cases as Configurations
64

FOUR

Causal Complexity

88

The Logic of Diversity-Oriented Research 120

PART TWO FUZZY-SET METHODS

Fuzzy Sets and the Study of Diversity
149

Using Fuzzy Sets to Constitute Cases and Populations
181

Fuzzy Sets and Necessary Conditions 203

Using Fuzzy Sets to Study Sufficient Conditions 230

Causal Complexity: Applying Fuzzy-Set Methods 261

Fuzzy Sets and the Dialogue between Ideas and Evidence 309

Bibliography 335 Index 345

ILLUSTRATIONS

1.1	Plot of Relative Number of Studies against N of		
	Cases in Each Study	25	
6.1	Plot of Membership in "rich countries" against		
	GNP per Capita	159	
6.2	Plot of Membership in "poor countries" agai		
	GNP per Capita	165	
7.1	Two-Dimensional Property Space Showing		
	"democratic" against "advanced industrial"	184	
7.2	Two-Dimensional Property Space Showing	201	
	"traditional" against "resource-rich"	201	
8.1	Plot of "scores a lot" against "practices a lot"		
	Showing Subset Relationship	215	
8.2	Plot of "social revolution" against "state brea		
	down"	217	
8.3	Plot of "social revolution" against Intersection	on	
	of "state breakdown" and "popular	221	
	insurrection"		
8.4	Adjusting Test of Necessity for Measuremen Translation Imprecision	225	
	Plot of "wildcat strike" against "communical		
8.5	breakdown"	228	
	Plot of "scored well on exam" against "stud		
9.1	hard"	236	
9.2	Plot of "ideological conflict" against "race at	nd	
9.2	class homogeneity"	238	
9.3	Adjusting the Test of Sufficiency for Measur	re~	
9.5	ment and Translation Imprecision	248	
9.4	Plot of "generous welfare state" against "stro	ong	
	labor movement"	251	

10.1	Plot of "generous welfare state" against Maximum of the Four Causal Expressions	299
11.1	Plot of "scores a lot" against "practices a lot"	
	Using Coaches' Definitions	319
11.2	Plot of Recoded "scores a lot" against Recode	:d
	"practices a lot"	320
11.3	Property Space Showing "worker power" and	
	"sociocultural homogeneity"	325
11.4	Plot of "very generous welfare state" against	
	"somewhat corporatist" Industrial System	330
11.5	Plot of "meager welfare state" against "weak	
	left party"	331

TABLES

3.1	From Variables to Types	73
3.2	Example of Lazarsfeld's Functional Reduc-	
	tion	79
3.3	Using Set Theory to Describe Hypothetical	
	Combinations	83
4.1	Types of Causes	93
4.2	Cause Is Necessary and Sufficient	97
4.3	Cause Is Necessary but Not Sufficient	98
4.4	Cause Is Sufficient but Not Necessary	98
4.5	Assessing a Causal Combination	100
4.6	Assessing Multiple Causal Combinations	102
4.7	Joining Multiple Causal Combinations	103
4.8	Limited Diversity and the Analysis of	
	Necessity and Sufficiency	105
4.9	Number of Consistent Cases Needed to Pa	
	Probabilistic Test of Sufficiency or Necessi	
	for Different Ns	114
4.10	Types of Sufficiency Tests	116
5.1	Territorially Based Linguistic Minorities in	
	Western Europe	124
5.2	Groupings works	28-129
5.3	Analysis of Necessary Conditions using	
	Instances of Ethnic Political Mobilization	131
5.4	Sufficiency Tests for the 80 Groupings 13	34–135
5.5	Conformity of Cases to Causal Combina-	
	tions	143
6.1	Crisp versus Fuzzy Sets	156

6.2	Fuzzy Membership in the Set of "rich countries"	158
6.3	Fuzzy Membership in the Set of "poor countries"	164
6.4	Translating from Raw Scores to Verbal Labe to Fuzzy Membership Scores	
6.5	Using the Minimum to Show Membership i Intersecting Fuzzy Sets (Logical and)	
6.6	Using the Maximum to Show Membership in the Union of Fuzzy Sets (Logical <i>or</i>)	175
6.7	Illustration of Fuzzy Logic's Minimum and Maximum	176
7.1	Using Fuzzy Sets to Derive Memberships in Crisply Defined Property-Space Locations	185
7.2	Fuzzy Memberships in Crisply Defined Property-Space Locations: Special Patterns	187
7.3	Using Fuzzy Sets to Assess the Comparabilit of Instances	у
7.4	Using Fuzzy Sets to Assess Conformity to	188
7.5	Crisp Property-Space Locations Using Fuzzy Sets to Assess Membership in a	
7.6	Domain Fire Control Ministry N. D.	197
8.1	Fuzzy Sets and Limited Diversity	200
8.2	Cause Is Necessary but Not Sufficient	211
0.2	Fuzzy Membership Scores for "social revolution" (Outcome) and "state breakdown (Necessary Condition)	ı" 216
8.3	Multiple Necessary Conditions and the Use	210
	of the Minimum	220
9.1	Cross-Tabulation Showing Sufficiency of the Combination of Class and Racial	
	Homogeneity for "ideological conflict"	233
9.2	Fuzzy-Set Analysis of "ideological conflict" in Community Organizations	1 237
9.3	Full Analysis of Conditions Sufficient for "ideological conflict" in Community Organizations	240
10.1	Fuzzy Membership Scores for Countries with	
10.2	Results of Analysis of Necessity, Applied to Countries with "IMF protest" ($N = 35$)	273
10.3	Fuzzy Membership Scores for Countries Lacking "IMF protest" (19 Negative Cases)	277

10.4	Results of Analysis of Sufficiency: Causes of "IMF protest"	280
10.5	Summary of Fuzzy-Set Analysis of "IMF protest"	285
10.6	Fuzzy Membership Scores for Analysis of Countries with "generous welfare states" (18 AIDCs)	292
10.7	Fuzzy Membership of Countries in Causal Expressions Passing Sufficiency	298
10.8	Simplifying Assumptions Embedded in Sufficient Causes for "generous welfare states"	303
11.1	Fuzzy Membership Scores for Analysis of Countries with "generous welfare states," Usi Higher-Order Construct "worker power"	ing 324