

CONTENTS

<i>Contributors</i>	<i>ix</i>
<i>Preface</i>	<i>xiii</i>
1. Introduction	1
<i>Philip H. Crowley and Thomas R. Zentall</i>	
2. Economic Decisions and Institutional Boundaries	7
<i>Evelyn Korn and Johannes Ziesecke</i>	
Commentary 2.1 Advocating for <i>Homo economicus</i>	37
<i>Erwin Amann</i>	
Commentary 2.2 The Neoclassical Economics Model: Extensions and Limits	40
<i>Jack Schieffer</i>	
3. Why Making a Decision Involves More Than Decision Making: Past, Present, and Future in Human Action	45
<i>Bertram C. Bruce</i>	
Commentary 3.1 Punctuation, Continuity, and Historicity: Traversing the In-Between	66
<i>Travis Whetsell and Patricia M. Shields</i>	
Commentary 3.2 Why We Will Never Know if Human Decision Making Is Unique	70
<i>Evelyn Korn</i>	
Commentary 3.3 Forks in the Road from Decision to Action	73
<i>Chris Higgins</i>	
4. Environmental Decision Making in the Argentine Delta	77
<i>Stephanie C. Kane</i>	
Commentary 4.1 Environmental Decision-Making, Social Reality, and Port Cities as “Hot Spots”	102
<i>Avi Brisman</i>	
Commentary 4.2 The Crevices of Unreason in Human Decision Making	106
<i>Bertram C. Bruce</i>	

5. The Social Nature of Human Decision Making	111
<i>James D. Morrow</i>	
Commentary 5.1 The Social Nature of Human Decision Making: A Computational Perspective	127
<i>Craig Boutilier</i>	
Commentary 5.2 When Should We Expect a Nash Equilibrium?	130
<i>Barry O'Neill</i>	
6. Ambiguous Decisions in the Human Brain	135
<i>Ifat Levy</i>	
Commentary 6.1 Ambiguous Decisions in the Human Brain	156
<i>Ming Hsu and Lusha Zhu</i>	
Commentary 6.2 What Animals Can Tell Us About Human Choice Under Risk	160
<i>Thomas R. Zentall</i>	
7. What Can Neuroeconomics Tell Us About Economics (and Vice Versa)?	163
<i>Mark Dean</i>	
Commentary 7.1 Disciplining Behavioral Theories Through Brain-Based Models of Decision-Making	204
<i>Isabelle Brocas and Juan D. Carrillo</i>	
Commentary 7.2 On the Benefits of Studying Mechanisms Underlying Behavior	207
<i>Andrew Sih, Andrew Bibian, Nick DiRienzo, XiuXiang Meng, Pierre-Oliver Montiglio, and Kevin Ringelman</i>	
8. Behavioral Approaches to Decision Making	211
<i>Edmund Fantino and Stephanie Stolarz-Fantino</i>	
Commentary 8.1 Can Choice Be Suboptimal?	235
<i>K. Geoffrey White</i>	
Commentary 8.2 How Studying Animals Can Clarify the Basis of Human Decision Making	239
<i>Thomas R. Zentall</i>	
9. A Behavioral Ecology View of Decision Making: Something Old, Something Borrowed, Something New	243
<i>Andrew Sih</i>	
Commentary 9.1 Crossovers in Ecological and Economic Models of Decisions	271
<i>Jack Schieffer</i>	

Commentary 9.2 The Scientific Perspective and the Potential Emergence of a General Theory of Decision Making <i>David F. Westneat</i>	274
10. Using Evolutionary Thinking to Cut Across Disciplines: The Example of the Argumentative Theory of Reasoning <i>Hugo Mercier</i>	279
Commentary 10.1 Evolution and Development <i>David Moshman</i>	305
Commentary 10.2 The Effectiveness of Classical Reasoning and the Provenance of Reasoning by Argumentation <i>Philip H. Crowley</i>	309
Commentary 10.3 A New Link in the Unification of the Sciences of Cognition <i>Alain Trognon and Martine Batt</i>	312
Commentary 10.4 The Evolution of Argument: A Commentary on Mercier <i>David S. Chester, Richard S. Pond, Jr., and C. Nathan DeWall</i>	316
11. Poor Decisions About Security <i>Bruce Schneier and Deric Miller</i>	319
Commentary 11.1 Poor Decisions About Security <i>Helen Pushkarskaya and Ifat Levy</i>	347
Commentary 11.2 Human Irrationality as a Contributor to Financial and Economic Insecurity: Implications for Policy-Makers <i>Denis Hilton and Caroline Attia</i>	349
12. Increasing the Accuracy of Criminal Justice Decision Making <i>Sarah A. Crowley and Peter J. Neufeld</i>	353
Commentary 12.1 Roots of Wrongful Convictions <i>Brandon L. Garrett</i>	379
Commentary 12.2 Driving Forces for Change <i>Rebecca E. Bucht</i>	382
13. Forensic Judgment and Decision Making <i>Peter A. F. Fraser-Mackenzie, Rebecca E. Bucht, and Itiel E. Dror</i>	385
Commentary 13.1 The Awkward Marriage of Criminal Justice and Science <i>Sarah A. Crowley</i>	416
Commentary 13.2 In the Eye of the Beholder <i>Thomas R. Zentall</i>	419

14. Computational Decision Support: Regret-based Models for Optimization and Preference Elicitation	423
<i>Craig Boutilier</i>	
Commentary 14.1 Group Decision Making on Combinatorial Domains	454
<i>Jérôme Lang</i>	
Commentary 14.2 Putting Preferences into Computational Context	458
<i>Judy Goldsmith</i>	
Commentary 14.3 Bottlenecks and Regret	462
<i>Vincent Conitzer and Lirong Xia</i>	
15. Improving Public Policy Decisions in Creating Institutions And Markets to Transfer Natural Disaster Risk in Developing Countries	465
<i>Jerry R. Skees and Grant Cavanaugh</i>	
Commentary 15.1 Decision Making About Real Needs of Actual People	482
<i>Helen Pushkarskaya</i>	
Commentary 15.2 Designing Mechanisms to Overcome Market and Behavioral Failures	485
<i>Jack Schieffer</i>	
16. What the Comparative Approach to Decision Making Has to Offer	489
<i>Philip H. Crowley and Thomas R. Zentall</i>	
<i>Index</i>	493