

Contents

The ABC Research Group xiii

Part I The Research Agenda

- 1** Fast and Frugal Heuristics: The Adaptive Toolbox 3
Gerd Gigerenzer and Peter M. Todd

Part II Ignorance-Based Decision Making

- 2** The Recognition Heuristic: How Ignorance Makes Us Smart 37
Daniel G. Goldstein and Gerd Gigerenzer
- 3** Can Ignorance Beat the Stock Market? 59
Bernhard Borges, Daniel G. Goldstein, Andreas Ortmann, and Gerd Gigerenzer

Part III One-Reason Decision Making

- 4** Betting on One Good Reason: The Take The Best Heuristic 75
Gerd Gigerenzer and Daniel G. Goldstein
- 5** How Good Are Simple Heuristics? 97
Jean Czerlinski, Gerd Gigerenzer, and Daniel G. Goldstein
- 6** Why Does One-Reason Decision Making Work?
A Case Study in Ecological Rationality 119
Laura Martignon and Ulrich Hoffrage

- 7** When Do People Use Simple Heuristics,
and How Can We Tell? 141
Jörg Rieskamp and Ulrich Hoffrage

- 8** Bayesian Benchmarks for Fast and Frugal Heuristics 169
Laura Martignon and Kathryn Blackmond Laskey

Part IV Beyond Choice: Memory, Estimation, and Categorization

- 9** Hindsight Bias: A Price Worth Paying for Fast
and Frugal Memory 191
Ulrich Hoffrage and Ralph Hertwig

- 10** Quick Estimation: Letting the Environment Do the Work 209
Ralph Hertwig, Ulrich Hoffrage, and Laura Martignon

- 11** Categorization by Elimination: Using Few Cues to Choose 235
Patricia M. Berretty, Peter M. Todd, and Laura Martignon

Part V Social Intelligence

- 12** How Motion Reveals Intention: Categorizing Social
Interactions 257
Philip W. Blythe, Peter M. Todd, and Geoffrey F. Miller

- 13** From Pride and Prejudice to Persuasion:
Satisficing in Mate Search 287
Peter M. Todd and Geoffrey F. Miller

- 14** Parental Investment by Simple Decision Rules 309
Jennifer Nerissa Davis and Peter M. Todd

Part VI A Look Around, A Look Back, A Look Ahead

- 15** Demons Versus Heuristics in Artificial Intelligence,
Behavioral Ecology, and Economics 327
*Adam S. Goodie, Andreas Ortmann, Jennifer Nerissa Davis, Seth Bullock,
and Gregory M. Werner*

- 16** What We Have Learned (So Far) 357
Peter M. Todd and Gerd Gigerenzer

References 367

Name Index 397

Subject Index 406