

# Contents

<i>Preface</i>	viii
<i>Acknowledgments</i>	x
<b>1 Background</b>	<b>1</b>
Suggested Reading	5
<b>2 Judgment and Choice Biases</b>	<b>6</b>
Introduction	6
Problems – Group A	9
Problems – Group B	12
Framing Effects	15
Brainstorming and Formal Models	20
Endowment Effect	22
Sunk Costs	27
Decision Trees	30
Representativeness Heuristic	34
Availability Heuristic	39
Anchoring	44
Mental Accounting	46
Dynamic Inconsistency	51
Exercises	53

<b>3 Consuming Statistical Data</b>	<b>57</b>
Introduction	57
Problems	58
Conditional Probabilities	63
Gambler's Fallacy	72
Biased Samples	77
Regression to the Mean	80
Correlation and Causation	81
Statistical Significance	84
Bayesian and Classical Statistics	85
Exercises	93
<b>4 Decisions under Risk</b>	<b>98</b>
Introduction	98
Problems	99
The Independence Axiom	102
Von Neumann and Morgenstern's Result	110
Measurement of Utility	113
Risk Aversion	116
Prospect Theory	123
Exercises	130
<b>5 Decisions under Uncertainty</b>	<b>133</b>
Introduction	133
Problems	134
Subjective Probability	141
Learning From the Fact We Know	151
Causality	163
The Sure Thing Principle	166
Alternative Models	171
Objective Probabilities	172
Exercises	174
<b>6 Well-Being and Happiness</b>	<b>178</b>
Introduction	178
Problems – Group A	179
Problems – Group B	180

Well-Being	181
Measurement Issues	184
What's Happiness?	186
Exercises	188
<b>Appendix A: Optimal Choice</b>	<b>191</b>
<b>Appendix B: Probability and Statistics</b>	<b>195</b>
<b>Solutions</b>	<b>204</b>
<i>Index</i>	210