

Contents

A Note on the Cover Illustration	<i>page</i> ix
Foreword	xi
Odd Questions	xv
LOGIC	
1 Logic	1
2 What Is Inductive Logic?	11
HOW TO CALCULATE PROBABILITIES	
3 The Gambler's Fallacy	23
4 Elementary Probability Ideas	37
5 Conditional Probability	47
6 The Basic Rules of Probability	58
7 Bayes' Rule	69
HOW TO COMBINE PROBABILITIES AND UTILITIES	
8 Expected Value	79
9 Maximizing Expected Value	98
10 Decision under Uncertainty	114
KINDS OF PROBABILITY	
11 What Do You Mean?	127
12 Theories about Probability	140
PROBABILITY AS A MEASURE OF BELIEF	
13 Personal Probabilities	151
14 Coherence	163
15 Learning from Experience	171

PROBABILITY AS FREQUENCY

16	Stability	189
17	Normal Approximations	201
18	Significance and Power	209
19	Confidence and Inductive Behavior	229

PROBABILITY APPLIED TO PHILOSOPHY

20	The Philosophical Problem of Induction	247
21	Learning from Experience as an Evasion of the Problem of Induction	256
22	Inductive Behavior as an Evasion of the Problem of Induction	261
	Answers to the Exercises	269
	Further Reading	293
	Index	300