## CONTENTS

1.	THE ORIGINS OF THE PROBLEM	1
	<ol> <li>An outline of the issues</li> <li>The Baconian tradition in the philosophy of</li> </ol>	1
	induction	4
	3. The rise of Pascalian probability	13
	4. The combination of Baconian and	
	Pascalian themes	27
II.	THE CONTROVERSY ABOUT THE NATURE	
	OF PASCALIAN PROBABILITY	40
	5. Some general considerations	40
	6. Indifference theories	43
	7. Frequency theories	47
	8. Propensity theories	53
	9. Personalist theories	58
	10. Multi-valued logic theories	70
	11. Logical relation theories	74
III.	THE FOUNDATIONS OF PLURALISM IN	
	THE ANALYSIS OF PROBABILITY	81
	12. Some logical distinctions exploited by	
	differing analyses of Pascalian probability	81
	13. The appropriateness of different	
	conceptions of Pascalian probability to	
	different purposes	90
	14. The need to supplement Pascalian	
	judgements by non-Pascalian ones	94
	15. How are different conceptions of	400
	probability possible?	109
IV.	THE PASCALIAN GRADATION OF	
	AMPLIATIVE INDUCTION	115
	16. Inductive probability under a realist	
	construal	115
	17. Inductive probability under a range-	400
	theoretical construal	120

Contents

	18. 19.	Pascalian gradation for variative induction Inductive probability under a personalist	130
		construal	136
V.	THE	BACONIAN GRADATION OF	
	AMI	PLIATIVE INDUCTION	145
	20.	Inductive support by the Method of	
		Relevant Variables	145
	21.	The logical syntax of the Method of	
		Relevant Variables	157
	22.	Some non-standard interpretations of	
		Baconian logical syntax	164
VI.	FOUR PARADOXES ABOUT INDUCTION		176
	23.	The classical problem of induction	176
		The paradox of the ravens	188
	25.	The 'grue' paradox	197
	26.	The lottery paradox	203
	Inde.	x	213