

Contents

Introduction	The Architecture of Chance	3
1	“Common Sense Reduced to Calculation”	15
2	The Logic and Arithmetic of Compound Probabilities	31
3	Probability Pathways and a First Glance at the Logic of Probability Assessment	48
4	Binomial Probabilities and the Concept of Sampling Distributions	70
5	The Normal Distribution – Remarkable Crossroad of Fact and Theory	97
6	Some Complex Probability Assessments Based on the Normal Distribution	111
7	A Brief Climb to One of the Next Higher Levels: Student’s t -Distributions and the Logic of Estimation	129
<i>Appendix A</i>	Tables of the Unit Normal Distribution	163
<i>Appendix B</i>	Table of Critical Values of Student’s t -Distributions	169
<i>Further Readings</i>		171
<i>Index</i>		173