Contents

	Preface	vii
	Acknowledgements	ix
1	Risk is equal to the expected value	1
2	Risk is a probability or probability distribution	17
3	Risk equals a probability distribution quantile (value-at-risk)	35
4	Risk equals uncertainty	43
5	Risk is equal to an event	55
6	Risk equals expected disutility	61
7	Risk is restricted to the case of objective probabilities	71
8	Risk is the same as risk perception	83
9	Risk relates to negative consequences only	93
10	Risk is determined by the historical data	97
11	Risk assessments produce an objective risk picture	107
12	There are large inherent uncertainties in risk analyses	115
13	Model uncertainty should be quantified	135
14	It is meaningful and useful to distinguish between stochastic and epistemic uncertainties	145
15	Bayesian analysis is based on the use of probability models and bayesian updating	149
16	Sensitivity analysis is a type of uncertainty analysis	167

vi	CONTENTS	
17	The main objective of risk management is risk reduction	179
18	Decision-making under uncertainty should be based on science (analysis)	191
19	The precautionary principle and risk management cannot be meaningfully integrated	215
20	Conclusions	227
	Index	239