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Knowledge; 2.5.2 Technical Knowledge: Essential for Credibility; 2.5.3 Business Knowledge: Essential for Success; 2.5.4 Role of Experts; 2.5.5 Limitations of Experts; 2.6 Behavioral Decision Analysis Insights; 2.6.1 Decision Traps and Barriers; 2.6.2 Cognitive Biases; 2.7 Two Anecdotes: Long-Term Success and a Temporary Success of Supporting the Human Decision-Making Process
2.8 Setting the Human Decision-Making Context for the Illustrative Example Problems
2.8.1 Roughneck North American Strategy (by Eric R. Johnson); 2.8.2 Geneptin Personalized Medicine (by Sean Xinghua Hu); 2.8.3 Data Center Decision Problem (by Gregory S. Parnell); 2.9 Summary; Key Terms; References; Chapter Three: Foundations of Decision Analysis; 3.1 Introduction; 3.2 Brief History of the Foundations of Decision Analysis; 3.3 Five Rules: Theoretical Foundation of Decision Analysis; 3.4 Scope of Decision Analysis; 3.5 Taxonomy of Decision Analysis Practice; 3.5.1 Terminology
3.5.2 Taxonomy Division: Single or Multiple Objectives
3.5.3 Single-Objective Decision Analysis; 3.5.4 Multiple-Objective Decision Analysis; 3.5.5 Taxonomy Division: Addressing Value Trade-Offs and Risk Preference Separately or Together?; 3.5.6 Taxonomy Division: Nonmonetary or Monetary Value Metric?; 3.5.7 Taxonomy Division: Degree of Simplicity in Multidimensional Value Function; 3.6 Value-Focused Thinking; 3.6.1 Four Major VFT Ideas; 3.6.2 The Benefits of VFT; 3.7 Summary; Key Terms; Acknowledgments; References; Chapter Four: Decision Analysis Soft Skills; 4.1 Introduction
4.2 Thinking Strategically

Sommario/riassunto

A ONE-OF-A-KIND GUIDE TO THE BEST PRACTICES IN DECISION ANALYSIS Decision analysis provides powerful tools for addressing complex decisions that involve uncertainty and multiple objectives, yet most training materials on the subject overlook the soft skills that are essential for success in the field. This unique resource fills this gap in the decision analysis literature and features both soft personal/interpersonal skills and the hard technical skills involving mathematics and modeling. Readers will learn how to identify and overcome the numerous challenges of decision
