



From *Predictive Business Analytics*. Full book available for purchase [here](#).

# Contents

<b>Preface</b>	<b>xv</b>
<b>Part One “Why”</b>	<b>1</b>
<b>Chapter 1 Why Analytics Will Be the Next Competitive Edge</b>	<b>3</b>
Analytics: Just a Skill, or a Profession?	4
Business Intelligence versus Analytics versus Decisions	5
How Do Executives and Managers Mature in Applying Accepted Methods?	6
Fill in the Blanks: Which X Is Most Likely to Y?	6
Predictive Business Analytics and Decision Management	7
Predictive Business Analytics: The Next “New” Wave	9
Game-Changer Wave: Automated Decision-Based Management	10
Preconception Bias	11
Analysts’ Imagination Sparks Creativity and Produces Confidence	12
Being Wrong versus Being Confused	12
Ambiguity and Uncertainty Are Your Friends	14
Do the Important Stuff First—Predictive Business Analytics	16
What If . . . You Can	17
Notes	19
<b>Chapter 2 The Predictive Business Analytics Model</b>	<b>21</b>
Building the Business Case for Predictive Business Analytics	27
Business Partner Role and Contributions	28
Summary	29
Notes	29

**Part Two Principles and Practices..... 31**

**Chapter 3 Guiding Principles in Developing Predictive Business Analytics 33**

Defining a Relevant Set of Principles 34

PRINCIPLE 1: Demonstrate a Strong *Cause-and-Effect* Relationship 34

PRINCIPLE 2: Incorporate a *Balanced* Set of Financial and Nonfinancial, Internal and External Measures 36

PRINCIPLE 3: Be *Relevant, Reliable, and Timely* for Decision Makers 37

PRINCIPLE 4: Ensure Data *Integrity* 38

PRINCIPLE 5: Be *Accessible, Understandable, and Well Organized* 39

PRINCIPLE 6: Integrate into the *Management* Process 39

PRINCIPLE 7: Drive *Behaviors and Results* 40

Summary 41

**CHAPTER 4 Developing a Predictive Business Analytics Function 43**

Getting Started 44

Selecting a Desired Target State 46

Adopting a PBA Framework 49

Developing the Framework 49

Summary 60

Notes 60

**CHAPTER 5 Deploying the Predictive Business Analytics Function 61**

Integrating Performance Management with Analytics 63

Performance Management System 64

Implementing a Performance Scorecard 67

Management Review Process 76

Implementation Approaches 78

Change Management	80
Summary	81
Notes	82

### **Part Three Case Studies ..... 83**

<b>CHAPTER 6 MetLife Case Study in Predictive Business Analytics</b>	<b>85</b>
The Performance Management Program	88
Implementing the MOR Program	93
Benefits and Lessons Learned	108
Summary	108
Notes	108
 <b>CHAPTER 7 Predictive Performance Analytics in the Biopharmaceutical Industry</b>	 <b>109</b>
Case Studies	113
Summary	127
Note	127

### **Part Four Integrating Business Methods and Techniques ..... 129**

<b>CHAPTER 8 Why Do Companies Fail (Because of Irrational Decisions)?</b>	<b>131</b>
Irrational Decision Making	131
Why Do Large, Successful Companies Fail?	132
From Data to Insights	134
Increasing the Return on Investment from Information Assets	135
Emerging Need for Analytics	136
Summary	137
Notes	138

**CHAPTER 9 Integration of Business Intelligence, Business Analytics, and Enterprise Performance Management 139**

Relationship among Business Intelligence, Business Analytics, and Enterprise Performance Management 140

Overcoming Barriers 143

Summary 144

Notes 145

**CHAPTER 10 Predictive Accounting and Marginal Expense Analytics 147**

Logic Diagrams Distinguish Business from Cost Drivers 148

Confusion about Accounting Methods 150

Historical Evolution of Managerial Accounting 152

An Accounting Framework and Taxonomy 153

What? So What? Then What? 156

Coexisting Cost Accounting Methods 159

Predictive Accounting with Marginal Expense Analysis 160

What Is the Purpose of Management Accounting? 160

What Types of Decisions Are Made with Managerial Accounting Information? 161

Activity-Based Cost/Management as a Foundation for Predictive Business Accounting 164

Major Clue: Capacity Exists Only as a Resource 165

Predictive Accounting Involves Marginal Expense Calculations 166

Decomposing the Information Flows Figure 169

Framework to Compare and Contrast Expense Estimating Methods 172

Predictive Costing Is Modeling 173

Debates about Costing Methods 174

Summary 175

Notes 175

<b>CHAPTER 11</b>	<b>Driver-Based Budget and Rolling Forecasts</b>	<b>177</b>
	Evolutionary History of Budgets	180
	A Sea Change in Accounting and Finance	182
	Financial Management Integrated Information Delivery Portal	183
	Put Your Money Where Your Strategy Is	185
	Problem with Budgeting	185
	Value Is Created from Projects and Initiatives, Not the Strategic Objectives	187
	Driver-Based Resource Capacity and Spending Planning	189
	Including Risk Mitigation with a Risk Assessment Grid	190
	Four Types of Budget Spending: Operational, Capital, Strategic, and Risk	192
	From a Static Annual Budget to Rolling Financial Forecasts	194
	Managing Strategy Is Learnable	195
	Summary	195
	Notes	196

## **Part Five Trends and Organizational Challenges ..... 197**

<b>CHAPTER 12</b>	<b>CFO Trends</b>	<b>199</b>
	Resistance to Change and Presumptions of Existing Capabilities	199
	Evidence of Deficient Use of Business Analytics in Finance and Accounting	201
	Sobering Indication of the Advances Yet Needed by the CFO Function	202
	Moving from Aspirations to Practice with Analytics	203
	Approaching Nirvana	210
	CFO Function Needs to Push the Envelope	210
	Summary	215
	Notes	216
<b>CHAPTER 13</b>	<b>Organizational Challenges</b>	<b>217</b>
	What Is the Primary Barrier Slowing the Adoption Rate of Analytics?	219

A Blissful Romance with Analytics	220
Why Does Shaken Confidence Reinforce One's Advocacy?	221
Early Adopters and Laggards	222
How Can One Overcome Resistance to Change?	224
The Time to Create a Culture for Analytics Is Now	226
Predictive Business Analytics: Nonsense or Prudence?	227
Two Types of Employees	227
Inequality of Decision Rights	228
What Factors Contribute to Organizational Improvement?	229
Analytics: The Skeptics versus the Enthusiasts	229
Maximizing Predictive Business Analytics: Top-Down or Bottom-Up Leadership?	234
Analysts Pursue Perceived Unachievable Accomplishments	235
Analysts Can Be Leaders	236
Summary	237
Notes	237

**About the Authors 239**

**Index 243**