## Business Intelligence Strategy and Big Data Analytics A General Management Perspective

Steve Williams

About the Author Foreword Acknowledgments Introduction		ix xi xv xvii			
			-	oter 1 The Personal Face of Business Intelligence	1
			1.1	BI Case Study Setting	1
1.2	11	2			
1.3	The BBF BI Vision and BI Opportunity Portfolio &				
	Business Case	15			
1.4	Generalizing From the BBF Case—BI Applications				
	for Manufacturers	20			
1.5	Lessons Learned for BI Strategy—BBF BI Progress	23			
1.6	Questions to Consider for Your Company or Function	25			
Chapter 2 Business Intelligence in the Era of Big Data					
	and Cognitive Business	27			
2.1	Getting Clear About Terminology—Business Definitions				
	of Business Intelligence and Related Terms	28			
2.2	The Hype Around BI, Big Data, Analytics, and Cognitive				
	Business	30			
2.3	A Business View of Big Data	33			
2.4	A Business View of Cognitive Business	35			
2.5	BI and Analytics—Is There a Difference?	37			
2.6	Beyond the Hype—What BI Success Looks Like	39			
2.7	Summary—Industry Views of BI Success	47			
2.8	Recap of Some Key Points	49			
Cha	pter 3 The Strategic Importance of Business Intelligence	51			
3.1		52			
3.2	How BI Enhances Business Processes and Business				
	Performance	56			
3.3	The Strategic Importance of BI	62			

3.4	Skill Development Opportunity: The Strategic	
	Importance of BI	66
3.5	Summary of Some Key Points	67
Cha	pter 4 BI Opportunity Analysis	69
4.1	BI Opportunity Analysis Provides the Economic	
	Rationale for BI	69
4.2	Top-Down BI Opportunity Analysis	72
4.3	Using Strategy Maps to Discover BIOs	75
4.4	Using Structured Interviews to Discover BIOs	78
4.5	Factoring in Big Data and Cognitive Business Opportunities	79
4.6	Documenting BIOs	82
4.7	Skill Improvement Opportunity: Discovering BIOs	
	and Mapping to BI Styles	83
4.8	Summary of Some Key Points	85
Cha	pter 5 Prioritizing BI Opportunities (BIOs)	87
5.1	BI Portfolio Planning and the BI Portfolio Map	87
5.2	Factors to Consider When Prioritizing BIOs	90
5.3	Approaches to Prioritizing BIOs	91
5.4	Skill Development Opportunity: Develop and Justify	
	a BI Portfolio Map	95
5.5	Summary of Some Key Points	98
Cha	pter 6 Leveraging BI for Performance Management,	
	<b>Process Improvement, and Decision Support</b>	99
6.1	BI as a Key Enabler of BPM	100
6.2	BI as a Key Enabler of Business Process Improvement	119
6.3	BI as a Key Enabler of High-Impact Business Decisions	141
6.4	Skill Development Opportunity	147
6.5	Summary of Some Key Points	149
Cha	pter 7 Meeting the Challenges of Enterprise BI	151
7.1	A General Management View About BI Success	152
7.2	Challenges for BI Success	161
7.3	Organizational Design for BI Success	175
7.4	Skill Development Opportunity: Assess BI Challenges,	
	Risks, and Barriers	182
7.5	Summary of Some Key Points	183

Chapter 8 General Management Perspectives on Technical			
	Topics	185	
8.1	The Technical Landscape for BI Program Execution	185	
8.2	Technical Infrastructure for BI	189	
8.3	Data Infrastructure for BI	199	
8.4	BI and the Cloud	205	
8.5	Summary	208	
Bibliography		209	
Index		211	