
Contents

Preface **xv**

Acknowledgments **xvii**

Chapter 1 The Challenge of Business Analytics 1

The Challenge from Outside 5

The Challenge from Within 9

**Chapter 2 Pillars of Business Analytics Success:
The BASP Framework 15**

Business Challenges Pillar 18

Data Foundation Pillar 20

Analytics Implementation Pillar 22

Insight Pillar 26

Execution and Measurement Pillar 29

Distributed Knowledge Pillar 31

Innovation Pillar 32

Conclusion 33

**Chapter 3 Aligning Key Business Challenges
across the Enterprise 35**

Mission Statement 36

Business Challenge 38

Identifying Business Challenges as a Consultative Process 39

Identify and Prioritize Business Challenges 41

Analytics Solutions for Business Challenges 45

**Chapter 4 Big and Little Data: Different
Types of Intelligence51**

Big Data 57
Little Data 61
Laying the Data Foundation: Data Quality 62
Data Sources and Locations 65
Data Definition and Governance 69
Data Dictionary and Data Key Users 72
Sanity Check and Data Visualization 72
Customer Data Integration and Data Management 73
Data Privacy 74

**Chapter 5 Who Cares about Data?
How to Uncover Insights77**

The IMPACT Cycle 79
Curiosity Can Kill the Cat 82
Master the Data 86
A Fact in Search of Meaning 87
Actions Speak Louder Than Data 88
“Eat Like a Bird, Poop Like an Elephant” 89
Track Your Outcomes 91
The IMPACT Cycle in Action: The Monster
Employment Index 92

**Chapter 6 Data Visualization: Presenting Information
Clearly: The CONVINCe Framework95**

Convey Meaning 97
Objectivity: Be True to Your Data 99
Necessity: Don’t Boil the Ocean 101
Visual Honesty: Size Matters 103
Imagine the Audience 104
Nimble: No Death by 1,000 Graphs 107

Context	107
Encourage Interaction	109
Conclusion	109

Chapter 7 Analytics Implementation: What Works and What Does Not113

Analytics Implementation Model	117
Vision and Mandate	118
Strategy	119
Organizational Collaboration	121
Human Capital	122
Metrics and Measurement	123
Integrated Processes	124
Customer Experience	125
Technology and Tools	125
Change Management	126

Chapter 8 Voice-of-the-Customer Analytics and Insights131

By Abhilasha Mehta, PhD

Customer Feedback Is Invaluable	132
The Makings of an Effective Voice-of-the-Customer Program	137
Strategy and Elements of the VOC System	152
Common VOC Program Pitfalls	162

Chapter 9 Leveraging Digital Analytics Effectively165

By Judah Phillips

Strategic and Tactical Use of Digital Analytics	173
Understanding Digital Analytics Concepts	174
Digital Analytics Team: People Are Most Important for Analytical Success	184
Digital Analytics Tools	187

Advanced Digital Analytics 191
Digital Analytics and Voice of the Customer 192
Analytics of Site and Landing Page Optimization 194
Call to Action: Unify Traditional and Digital Analytics 195

**Chapter 10 Effective Predictive Analytics:
What Works and What Does Not 199**

What Is Predictive Analytics? 201
Unlocking Stage 203
Prediction Stage 206
Optimization Stage 210
Diverse Applications for Diverse Business Problems 213
Financial Service Industries as Pioneers 214

**Chapter 11 Predictive Analytics Applied
to Human Resources 223**

By Jac Fitz-enz, PhD

Staff Roles 225
Assessment: Beyond People 226
Planning Shift 229
Competency versus Capability 229
Production 230
HR Process Management 231
HR Analysis and Predictability 232
Elevate HR with Analytics 233
Value Hierarchy 235
HR Reporting 237
HR Success through Analytics 238

Chapter 12 Social Media Analytics 247

By Judah Phillips

Social Media Is Multidimensional 249
Understanding Social Media Analytics: Useful Concepts 251

Is Social Media about Brand or Direct Response?	254
Social Media “Brand” and “Direct Response” Analytics	255
Social Media Tools	259
Social Media Analytical Techniques	262
Social Media Analytics and Privacy	265
Chapter 13 The Competitive Intelligence Mandate.....	271
Competitive Intelligence Defined	273
Principles for CI Success	275
Chapter 14 Mobile Analytics.....	285
<i>By Judah Phillips</i>	
Understanding Mobile Analytics Concepts	290
How Is Mobile Analytics Different from Site Analytics?	291
Importance of Measuring Mobile Analytics	295
Mobile Analytics Tools	296
Business Optimization with Mobile Analytics	298
Chapter 15 Effective Analytics Communication Strategies.....	301
Communication: The Gap between Analysts and Executives	303
An Effective Analytics Communication Strategy	305
Analytics Communication Tips	314
Communicating through Mobile Business Intelligence	316
Chapter 16 Business Performance Tracking: Execution and Measurement.....	321
Analytics’ Fundamental Questions	324
Analytics Execution	325
Business Performance Tracking	332
Analytics and Marketing	336

Chapter 17 Analytics and Innovation	343
What Is Innovation? 344	
What Is the Promise of Advanced Analytics? 347	
What Makes Up Innovation in Analytics? 348	
Intersection between Analytics and Innovation 352	
Chapter 18 Unstructured Data Analytics: The Next Frontier	359
What Is Unstructured Data Analytics? 360	
The Unstructured Data Analytics Industry 363	
Uses of Unstructured Data Analytics 364	
How Unstructured Data Analytics Works 365	
Why Unstructured Data Is the Next Analytical Frontier 366	
Unstructured Analytics Success Stories 372	
Chapter 19 The Future of Analytics.....	377
Data Become Less Valuable 379	
Predictive Becomes the New Standard 380	
Social Information Processing and Distributed Computing 381	
Advances in Machine Learning 382	
Traditional Data Models Evolve 383	
Analytics Becomes More Accessible to the Nonanalyst 384	
Data Science Becomes a Specialized Department 385	
Human-Centered Computing 386	
Analytics to Solve Social Problems 387	
Location-Based Data Explosion 388	
Data Privacy Backlash 388	
About the Authors 391	
Index 393	