Analytics use cases (Continued)
and Internet of Things, 104
Investment Banking: A Global Off-shore Research Function,
188–189
Investment Banking: Automating Routine Tasks, 157, 162–163
Investment Banking Analytics: Logo Repository, 56–57, 60
levels of data in, 18–23
life cycle management for, 209
Managing Indirect Procurement
Market Intelligence: Efficient Procurement, 64–65
Market and Customer Intelligence:
Market Inventories, 204–205
Market Intelligence Solution Suite, 42–44
measuring ROI of, 8
Mind–Machine Interface: Game Controller, 167, 170–171
Operating Excellence Analytics:
Efficiency Index, 228–229
portfolio level of, 47, 274–278
Predictive Analytics: Cross-Selling Support, 224–225
Preventive Maintenance: Analyzing and Predicting Network Failures,
212–213
primary and secondary, 12–13
return on investment from, 45–46
Sales Enablement: Account Based Marketing Support, 248–249
Social Insights: Asian Language Social Media Insights, 142–143
Spend Analytics: Category Planning Tool, 222–223
Subscription Management: “The 800 Bits Use Case,” 13–16
Supply Chain Framework: Bottleneck Identification, 216–217
trading and sharing, even across company boundaries (perspective #15),
279–280
Virtual Analyst: Intelligent Pricing & Dynamic Discounting, 116–117
Virtual Data Lake: A Use Case by Stream Financial, 28–30
Wealth Management: InsightBee for Independent Financial Advisers,
88–89
Analyzing and Predicting Network Failures, 212–213
Aristotle, 198
ARM Holdings, 101
Artificial intelligence (AI), 50
and knowledge management, 153
as solution to any analytic problem (fallacy #8), 49–60
Asian Language Social Media Insights, 142–143
Assessing Opinions in the Digital Realm, 74, 76–77
AT&T, 101
Audit trails, 220–221
creating (perspective #12), 269–270
for Internet of Things solutions, 103–104
need for, 114
Autodesk, 126
Automated database interfaces (ADIs), 51
Automating Routine Tasks, 157, 162–163
Automation in Asset Management: Fund Fact sheets, 157–159
AUX Design Study by Every Interaction, 254–255
Banker’s Studio, 129
BA Times, 39
Behance, 167
Benchmarking Machines Using Sensor Data, 97–99
Big data:
avoiding, 219
measuring ROI of, 219
as solution to everything (fallacy #1), 3–16
Bottleneck Identification, 216–217
Brand Perception Analytics: Assessing Opinions in the Digital Realm, 74, 76–77
B2B Dealer Network, 210–211
Budget, defining, 209
Business Intelligence.com, 68

Business issue:
  - focus on (perspective #1), 207–213
  - in Use Case Methodology, 23

Business users, analytics role of, 37–38

Captives, 62–63, 126, 179, 185

Category Planning Tool, 222–223

Central data analytics teams, role of, 36–37

Central risk & compliance teams, analytics role of, 38–39

Cisco, 100, 101

Client benefits:
  - communicating, 277
  - focus on (perspective #1), 207–213, 276

Client benefits framework, 59–60, 208

Cloud(s), 87–95, 126–129

Collaboration, 81

Commercial model (perspective #10), 264–265

Competitive Pricing Analytics, 200–201

Compliance, 48, 220. See also Risk & compliance

Costs of human capital, 237, 240

Cross-Sell Analytics: Opportunity Dashboard, 8–11

Cross-Selling Support, 224–225


Customer Intelligence: Market Inventories, 204–205

Dalai Lama, 181

Data. See also Big data; Small data alternative, 136–143
  - change in sources of, 220
  - choosing, based on the issue tree (perspective #3), 218–225
  - doubling of, 17
  - insight related to quantity of (fallacy #2), 17–25
  - as level of data, 20, 149, 152
  - levels of, 18–23, 145–146, 149, 259
  - monitoring costs of, 221
  - origins of, 266–267
  - raw, cleansed, and preprocessed, 18, 21–22
  - smart, 136–143
  - streamed, 104

Data analytics as a service (DAaaS), 35

Data architecture, 261–263

Data assets, race for (trend #7), 136–143

Datacoup, 146

Data graveyards, 27

The Data Lake Fallacy (Gartner), 27, 30

Data lakes, need for (fallacy #3), 26–30

Data power trip, 79

Data quality criteria, 220

Data security, 62, 101–104

DatastreamX, 145–146

Day, Alan, 161

Deep belief network, 79

Deliveroo, 85–86

Devex, 17

Documentation, 231

Efficiency Index, 228–229

Efficient frontier (perspective #4), 226–231

Efficient Management of Procurement Risks, 68, 70–71

Efficient Procurement, 64–65

“The 800 Bits Use Case,” 13–16

End users, 245. See also User experience design
  - business users as, 37–38
  - changing needs of, 35
  - explicit definition of, 208
  - figuring out the Last Mile (perspective #7), 245–249
  - quick feedback from, 173

Energy Retailer: Competitive Pricing Analytics, 200–201

Engagement models, 238–239

Environmental Index, 181–183

EU–US Privacy Shield, 114–115, 119–120, 137


Every Interaction, 167

Explicit knowledge, 148
Facebook, 136, 146, 167
Fallacies about analytics, 1–2, 82–83
analytics investment means great ROI, 72–77
analytics is a rational process, 78–81
analytics is just an analytics challenge
Part I: the Last Mile, 31–35
analytics is just an analytics challenge
Part II: the organization, 36–39
big data solves everything, 3–16
everything must be done in-house, 61–65
first, we need a data lake and tools, 26–30
intelligent machines can solve any analytic problem, 49–60
knowledge management is easy—we just need some wikis, 45–48
more data means more insight, 17–25
reorganizations won’t hurt analytics, 40–44
we need more, larger, and fancier reports, 66–71
Finance department, analytics role of, 39
Financial Benchmark Analytics: Environmental Index, 181–183
Financial Benchmark Analytics: Index Reporting, 192–193
Financial Services: Investment Banking Studio, 242–243
Finding Suitable Innovations, 23–25
FireFly Information Management, 30
Fjord, 167
Flexibility, 40, 41, 44, 173
Flexible platforms embedded in process (perspective #6), 241–244
Ford, Martin, 164
FT.com, 17, 18
Fund Fact sheets, 157–159

Game Controller, 167, 170–171
Gardiner, Neil, 165, 168, 252–253, 256
Gartner, 27
GE Capital International Services (GECIS), 125
General Data Protection Regulation (GDPR), 114–115, 118–121
General Electric (GE), 101

global Offshore Research Function, 188–189
Global partnering, value of (trend #13), 177–195. See also Outsourcing
Google, 38–39, 101, 121, 136, 167
Governance:
of data lakes, 27
and ROI in use cases, 46
of use case portfolios (perspective #14), 274–278
of use cases, 47–48, 74–75
of virtual data lakes, 30

Hadoop, 27
Handshake, 146
Heitman, William, 66
Hot Studio, 167
HubSpot, 90–91, 126
Humans Need Not Apply (Jerry Kaplan), 164

IBM, 101
Identifying and Managing IP Risk, 202–203
Incentives, 80, 148–149, 259
Index Reporting, 192–193
Industrial Internet Consortium, 101
Industry Sector Update: Marketing Presentations, 186–187
Information:
half-life of, 152
knowledge management at level of, 149
as level of data, 19–22, 146
Infusion, 167
In-house work, views on (fallacy #9), 61–65
Innovation Scouting: Finding Suitable Innovations, 23–25
Insight(s):
with cloud and mobile, 93
as driver of ROI, 209
half-life of, 152
knowledge management at level of, 149
as level of data, 19–23, 146
related to quantity of data (fallacy #2), 17–25
from reports, 67–68
InsightBee, 31–33, 51, 93, 129, 154, 172, 173, 175, 261, 265
AUX Design Study by Every Interaction, 254–255
InsightBee for Independent Financial Advisers, 88–89
K-Hive, 51, 257
Market Intelligence, 50, 107, 129
Market Intelligence via Pay-as-You-Go, 108–109
Procurement Intelligence: Efficient Management of Procurement Risks, 68, 70–71
Sales Intelligence, 92, 129, 264
Sales Intelligence: Proactive Identification of New Sales Opportunities, 130–131
Integrated knowledge management (perspective #9), 257–263
Intel, 101
Intellectual property (IP):
  Identifying and Managing IP Risk, 202–203
  knowledge objects for mind+machine analytics (perspective #11), 266–268
Managing Value-Added IP Alerts, 50, 52–53, 60
Intellectual property rights (IPR), 27, 44, 102–103, 220
Intelligent machines, as solution to any analytic problem (fallacy #8), 49–60
Intelligent Pricing & Dynamic Discounting, 116–117
Intelligent search engines, 54
Internal security, 63
International Data Corporation (IDC), 17
Internet of Things:
  and Last Mile concept, 35
  and quantity of data, 17
  and secondary use cases, 12–13
  yin and yang of (trend #2), 96–104
Intersectonic business continuity planning, 177–178
Investment Banking: A Global Offshore Research Function, 188–189
Investment Banking: Automating Routine Tasks, 157, 162–163
Investment Banking Analytics: Logo Repository, 56–57, 60
Investment Banking Studio, 242–243
IP Risk, Identifying and Managing, 202–203
Issue tree (perspective #3), 74, 218–225
Issue tree analysis, 23
IT teams, analytics role of, 36–37
Kaplan, Jerry, 164
KD Nuggets, 146
K-Hive, 51, 257
Knowledge:
  creating and sharing, via cloud and mobile, 94–95
  half-life of, 152
  inter-company sharing of, 47
  knowledge management at level of, 149
  as level of data, 19–23, 146
tacit vs. explicit, 148
Knowledge directory, 258
Knowledge management (KM):
  2.0, as elusive vision (trend #9), 147–155
  accountability for, 22
  integrated, for speed and savings (perspective #9), 257–263
  opportunities for, 257–258
  rules for success in, 259–260
  wikis for (fallacy #7), 45–48
Knowledge objects, 261
  as an architecture, 154–155
  for mind+machine analytics (perspective #11), 266–268
Knowledge process outsourcing (KPO), 125
“Know your customer” (KYC), 133–134
Last Mile, 22
  as analytics challenge (fallacy #4), 31–35
  figuring out (perspective #7), 245–249
  impact of cloud and mobile in, 93–94
  line managers suffering from, 167
  losing impact of work in, 92
Lebara, 126
Lego Mindstorm, 100
Life cycle management (use cases), 209
Live Chat, 173
Logo Repository, 56–57, 60
London Interbank Offered Rate (LIBOR), 48, 111–112
Lunar, 167

Machine learning, 50, 52–53
McKinsey, 218
McKinsey Digital Labs, 167
McKinsey Knowledge Directory, 153–154, 159
Managing Indirect Procurement Market Intelligence: Efficient Procurement, 64–65
Managing Value-Added IP Alerts, 50, 52–53, 60
Marketing Presentations, 186–187
Market Intelligence: Market Inventories, 204–205
Market Intelligence Solution Suite, 42–44
Market Intelligence via Pay-as-You-Go, 108–109
Market Inventories, 204–205
Marketplaces, in data and analytics (trend #8), 144–146
Markowitz, Harry, 226
Martin, Sean, 27
Material nonpublic information (MNPI), 55, 63
Microsoft, 92, 128
Microsoft Azure, 47, 92, 280
Microsoft Office, 126
Mike & Maaike, 167
Mind(s):
getting the right mix of (perspective #5), 232–240
and Internet of Things, 104
in mind+machine model, 191
psychology for getting minds to work together (perspective #15), 271–273
Mind+machine:
and global partnering, 177–195
implementing, see Use Case Methodology (UCM)
knowledge objects for, 266–268
and levels of data, 19–23
in outsourcing, 185, 190
and personality profiles, 79
as self-financing concept, 276
trends creating opportunities for, see Trends creating opportunities
Mind-machine interface:
guidelines for, 250–251
rise of, 2015–2025 (trend #11), 164–171
Mind–Machine Interface: Game Controller, 167, 170–171
Minimum viable products (MVPs), 172, 207–208, 219, 226–227, 244, 256
Mix of minds (perspective #5), 232–240
Mobile technologies, 87–95, 126–129
Müller, Michael, 176, 263
Multiple-client utilities, hidden treasures of (trend #6), 133–135
Myers–Briggs Type Indicator (MBTI), 79

Nadella, Satya, 92
Nascent Industry Growth Index, 6–7
Nest, 101, 136
Network Failures, Analyzing and Predicting, 212–213
New capabilities, in client benefits framework, 59–60
Noncentral analytics teams, analytics role of, 37

The One to One Future (Don Peppers and Martha Rogers), 105
One-to-one marketing, trend toward (trend #3), 105–110
Online marketplaces, in data and analytics (trend #8), 144–146
Operating Excellence Analytics: Efficiency Index, 228–229
Opportunity Dashboard, 8–11
Organizational silos, 80–81
Outcome-based commercial models, 124–125
Output-based commercial models, seismic shift to (trend #5), 123–132
Outsourcing:
for cost abitrage (era 1), 178–180
and data security, 62
future of, 194–195
globalizing (era 2), 180–183
hybrid on-site, near-shore, and far-shore (era 4), 184–185
mind+machine in (era 5), 185, 190
pricing and performing benchmarks in, 190–191, 194
process reengineering and specialization (era 3), 184
sophistication of solutions for, 177

Pay-as-You-Go (PAYG), 108–109, 266
as commercial model (perspective #10), 264–265
seismic shift to (trend #5), 123–132
Peppers, Don, 105
Personal data, 120–122, 146
Personality profiles, 79
Per-unit pricing, 264–266
Predictive Analytics: Cross-Selling Support, 224–225
Preventive Maintenance: Analyzing and Predicting Network Failures, 212–213
Primary use cases, 12, 13, 47
Privacy, 101–102, 114–115, 118–121, 137
Private clouds, 90
Proactive Identification of New Sales Opportunities, 130–131
Process, flexible workflow platforms embedded in (perspective #6), 241–244
Process automation:
for analytics use cases (trend #10), 156–163
programming for, 40
Procurement:
InsightBee Procurement Intelligence: Efficient Management of Procurement Risks, 68, 70–71
managing and developing suppliers, 160–161
Managing Indirect Procurement Market Intelligence: Efficient Procurement, 64–65
Productivity, 59–60, 191
Psychology:
of analytics, 78–81
for getting the minds to work together (perspective #13), 271–273
PwC, 26, 144

Quality, in client benefits framework, 59–60
Rapid prototyping, 251
Rate table, 190
Rational process, analytics as (fallacy #12), 78–81
Regulation:
of Ring of Knowledge (trend #4), 111–122
of risk & compliance functions, 61–62
Reorganizations, impact on analytics (fallacy #6), 40–44
Reports, larger and fancier (fallacy #10), 66–71
Return on investment (ROI):
in big data, 3, 5, 8, 219
and business issue definition, 207–208
framework for, 208
in governance of use case portfolios (perspective #14), 274–278
insight as driver of, 209
and investment in analytics (fallacy #11), 72–77
and knowledge management, 45
in small data, 13
in technology, 247
Ring of Knowledge, 21–22
impact of cloud and mobile on, 92–95
and Internet of Things, 104
mapping (perspective #2), 214–217
regulatory flooding of (trend #4), 111–122
Rise of the Robots (Martin Ford), 164
Risk & compliance, 61–62
central risk & compliance teams, 38–39
growth in functions of, 111
interterctic BCP in, 177–178
Risk management, 278
InsightBee Procurement Intelligence: Efficient Management of Procurement Risks, 68, 70–71
Risk management (Continued)
for mind-machine (perspective #12),
269–270
Rogers, Martha, 105

Safe Harbour Decision (2000), 101–102,
119
Sales Enablement: Account Based
Marketing Support, 248–249
Samsung, 101
Search engines, 54–55
Secondary use cases, 12–13, 46
Sensor Data, Benchmarking Machines
Using, 97–99
Sharing economy, in data and analytics
(trend #8), 144–146
The Sharing Economy (PwC), 144
Short-term thinking, 81
Silos, 80–81
Small data, 13–16
Smart data, race for (trend #7), 136–143
Social Insights: Asian Language Social
Media Insights, 142–143
Social Media Insights, Asian Language,
142–143
Software AG, 47
Spend Analytics: Category Planning
Tool, 222–223
Squirro, 50, 51
Starmind, 149, 152
State of Flux, 160
Statess, 160–161
Streamed data, 104
Stream Financial, 28–30
Subscription Management: “The 800
Bits Use Case,” 13–16
Supply Chain Framework: Bottleneck
Identification, 216–217
SurveyMonkey, 107
Sustainability reporting, 113

Tacit knowledge, 148
Technology Forecast: Rethinking Inte-
gration (PwC), 26
Teradata, 47
Thread, 101
Time to market, 59–60, 172

Tracking progress, 209
Trading and sharing use cases:
benefits of, 266, 267
even across company boundaries
(perspective #15), 279–280
Trends creating opportunities, 85–86,
196
(mind+machine)² = global partnering
equals more than 1+1, 177–195
2015–2025: rise of the mind-machine
interface, 164–171
agile, agile, agile, 172–176
asteroid impact of cloud and mobile,
87–95
hidden treasures of multiple-client
utilities, 133–135
knowledge management 2.0—still an
eusive vision?, 147–155
marketplaces and the sharing economy
finally arriving in data and analytics,
144–146
one-to-one marketing, 105–110
race for data assets, alternative data,
and smart data, 136–143
regulatory fl ooding of the Ring of
Knowledge, 111–122
seismic shift to pay-as-you-go or
output-based commercial models,
123–132
workflow platforms and process
automation for analytics use cases,
156–163
yin and yang of the Internet of Things,
96–104

Uber, 145
US Patriot Act, 102
Use cases, see Analytics use cases
A Use Case by Stream Financial, 28–30
Use Case Framework (UCF), 257–258,
261, 277
Use case life cycle management, 44
Use Case Methodology (UCM),
197–206, 260, 271, 281
business issue in, 23
as change in mind-set, 198
choose data wisely based on the issue
tree, 218–225
create an audit trail and manage risk, 269–270
efficient frontier where machines support minds, 226–231
focus on business issue and client benefits, 207–213
governance of use case portfolios: control and ROI, 274–278
integrated knowledge; management means speed and savings, 257–263
intellectual property: knowledge objects for mind+machine, 266–268
map out the Ring of Knowledge, 214–217
right mix of minds means a world of good options, 232–240
right psychology: getting the minds to work together, 271–273
right user interaction: the art of user experience, 250–256
right workflow: flexible platforms embedded in the process, 241–244
serving the end users well: figuring out the Last Mile, 245–249
trading and sharing use cases, even across company boundaries, 279–280
User experience design:
art of (perspective #8), 250–256
importance of, 165–167
Value-added IP alerts, see Managing Value-Added IP Alerts
Value-based model, 190
Virtual Analyst: Intelligent Pricing & Dynamic Discounting, 116–117
Virtual Data Lake: A Use Case by Stream Financial, 28–30
Volkswagen, 48
Voskamp, Ann, 207

Wealth Management: InsightBee for Independent Financial Advisers, 88–89
Weinschenk, Susan, 250–251
Welch, Jack, 179
WhatsApp, 136
Wood, Stanley, 17
Workflow and Self-Service, 148, 150–151
Workflow platforms:
for analytics use cases (trend #10), 156–163
flexible, embedded in the process (perspective #6), 241–244
Wujec, Tom, 251

Zeltner, Juerg, 17, 18