Absorptive capacity, 172 Access to external funding, 175 Accuracy, 63–81 Acquirement of new customers, 164, 186–187, 192	Brand-building (BB) orientation, 31, 32, 34, 36, 40, 43, 44 Branding, 168–169, 176 Brand orientation, 164, 166, 175, 184, 186, 190–191, 197, 211
Age of the firm, 169–170, 172–175, 180  Algorithm asymmetric analysis, 86 Algorithm construction, 15 Anomalies, 20 explaining and modeling, 25–26  ANOVA, 88 Antecedent(s) case-based versus variable-based theory construction of, 28–34 conditional model, 27–28  Appraisal, 182  Asset configuration strategy, 165 deployment, 164 parsimony, 172  Asymmetric testing, 3, 6, 8, 12, 15, 77, 86, 89, 90, 106, 110, 124, 128, 136  Average variance extracted (AVE), 194	defined, 207 Business-to-business (B2B)     marketing, 168–169, 171, 176–179, 181, 198, 201 accurate predicting of precise outcomes in, 63–81 asymmetric modeling in industrial marketing management, 74 directions, 65–67 ethnographic decision tree models and field experiments of farmers' adoption choices, 71–74 food stores' buying decisions to accept versus reject new brands' and brand extensions', 68–72 scientific legitimacy, 64–65 using complexity theory, 74–79 Business-to-customer (B2C) marketing, 168–169, 171, 176–177, 181, 198
Bad science practice, 2–3 empirical management and	1/0-1//, 101, 170
behavior science, 6–8	Calibration, 197 Capabilities, 161–162, 165–166
visualizing, 8–12 Basic and Applied Social Psychology (BASP), 2	farmographics configuration effect on, 177–180
Boolean algebra, 75, 88, 89, 93, 94, 104, 147, 168	Case-based theory construction, 3–6, 77, 81
2	27

distinguished from variable-based	customer relationship, 177,
theory construction, 28–34	179-180
in human resources management,	customer orientation, 183, 185,
building, 85–151	190
Causal asymmetry, 92, 159	customer satisfaction, 188,
Cocreation, 171	192-193
COMPASSS.ORG, 8	customer type, 168–169, 171,
Competency algorithms, 88	175–176, 178–179, 181
Competitive success, 164, 166, 186,	innovation orientation, 182–185,
191	188-189
Competitor orientation (CO), 30–32,	product/service orientation, 169,
34, 36–37, 40, 41, 43, 44,	172, 179, 181–182
164, 166, 183–184, 185,	retaining new customers, 187–188
189-190, 197	192
Complex antecedent conditions,	size of the firm, 170, 173–175
construction of, 24–25	small firms, 178, 180–181
Complex configuration demographic	young firms, 177–178
conditions	Complex outcomes, constructing and
coverage of, 95–97	testing, 28
impacts of, 99–102	Computing with words (CWW), in
Complexity theory, 3–6, 67, 87, 91	modeling firms'
business-to-business marketing,	paradoxical performances,
accurate predicting of	155–218
precise outcomes in, 74–79	calibration, 197
data analytics, 93–95	capabilities, 161–162
human resources management,	country differences, 164–165
91–97	declining markets, 162–166, 184–188, 205–209
index metrics and complex	firm demographics configurations,
configuration coverage,	effect on firm resources,
95–97	168–170
tenets of, 15-16, 21-28, 74, 76,	firm demographics, 162
86, 91–93, 158–159	firm resource configurations.
Complex outcome conditions, 159,	See Firm resource
166	configurations
acquiring new customers,	farmographics configuration.
186–187, 192	See Farmographics
age of the firm, 169–170,	configuration, effect of
172–175, 180	future directions of, 214–218
brand orientation, 184, 186,	fuzzy-set Qualitative Comparative
190-191	Analysis, 195
competitor orientation, 183–185,	growing markets, 162–166,
189-190	188-193, 210-213
competitive success 186 191	independent measures 195–197

Index 239

limitations of, 214–218	Customer satisfaction (CS), 164,
outcome measures, 195	181–182, 188, 190,
performance outcome recipes,	192–193, 205, 211, 212
predictive accuracy of,	orientation, 30–32, 34, 37, 41, 43, 44
213-214	Customization, 174
propositions, 166–193	
resource-based view, 159-160	Data analytics, 93-95
scale purification, 193–195	Declining markets, 162–164
set-theoretic approach, 158–159	firm orientation configurations,
strategic orientations, 160–161	184-188, 205-209
Configurations approach, 156	firm performance in, 165–167
Confirmatory factor analysis (CFA),	performance capabilities,
110–113, 194, 195	184–188, 205–209
Conjunctural causality, 159	Demographic configurations, 41–43,
Consistency index, 39–40	45-47
Construct reliability, 194	Developmental economics, 73
Contrarian, 91–92	Directionality, 26–27, 31
Core self-evaluation (CSE), 77, 86,	Directional testing, 66
89-90, 97, 98, 102-105,	Discriminant validity, 194
109-110, 142, 147-150	•
farmographic configurations of,	Edinburgh Farming Stress Inventory
117-127	(EFSI), 108–109
Correlation, 67, 87, 88, 95, 110	Emergence, 92
Coverage index, 39–40	Emotional stability (ES), 90,
Customer(s)	103-105, 109
acquisition, 166, 171, 187, 212	farmographic configurations of,
current customers, retaining, 164,	124, 125
187–188, 192	Empirical management and behavior
loyalty, 171, 2050	science (EMBS), 3, 5
new customers, acquirement of,	bad science practice, 6–8
164, 186–187, 192	articles, missing of good science
portfolio, 172	practice in, 12, 15–16
relationships, 172, 177, 179-180,	Entrepreneurial orientation, 33
197	Entrepreneurship, 165
retention, 166, 176, 192, 193, 205,	Environmental hostility, 178
211-212	Equifinality, 25, 88, 91, 158, 159
service, 174	Ethnographic decision tree models
type of, 168–169, 171, 181	(EDTM), 71-74
Customer lifetime value (CLV), 178	Exploratory factor analysis (EFA),
Customer orientation, 30, 164, 166,	194
175, 183, 185, 197, 207,	
210-212	Farmers' adoption choices, field
defined, 171	experiments of, 72–74

Farm industries, farmographics of, 115–117	declining markets, 162–166, 184–188, 205–209
Farmographics, 98, 100, 167, 168 configuration, effect of on firm orientation configurations, 171–177, 201–202 on performance capabilities, 177–184, 202–206 core self-evaluation, 117–127 emotional stability, 124, 125 farm industries, 115–117 generalized self-efficacy, 117, 120, 121 job performance, 131, 132 job satisfaction, 113–115, 133,	firm demographics configurations effect on firm resources, 168–170 firm demographics, 162 firm resource configurations.  See Firm resource configurations farmographics configurations farmographics configurations.  See Farmographics configurations.  See Farmographics configuration effect of future directions of, 214–218 fuzzy-set Qualitative Comparative Analysis, 195 growing markets, 162–166,
134, 138–146 job strain, 128, 133, 135–139, 142 job stress, 133, 136, 142 locus of control, 121–123 self-esteem, 117 Federation of Finnish Enterprises, 36 Firm demographics, 162 configurations, effect on firm resources, 168–170, 200–201 Firm orientation configurations in declining markets, 184–188 farmographics configuration effect on, 171–177, 201–202 in growing markets, 188–193	independent measures, 195–197 limitations of, 214–218 outcome measures, 195 performance outcome recipes, predictive accuracy of, 213–214 propositions, 166–193 resource-based view, 159–160 scale purification, 193–195 set-theoretic approach, 158–159 strategic orientations, 160–161 Fit validity, 56 Food stores' buying decisions to
Firm performance, in growing versus declining markets, 165–167 Firm resource configuration, effect of on firm orientation configurations, 174–177, 201–202	accept versus reject new brands' and brand extensions', 68–72 Four-corner modeling, 77–79 F-tests, 67
on performance capabilities, 177–184, 202–206 Firms' paradoxical performances, computing with words in modeling, 155–218	Fuzzy-set, 89, 94 Fuzzy-set Qualitative Comparative Analysis (fsQCA), 95, 161, 194, 195
calibration, 197	Gatekeeper analysis, 70, 72 General Health Questionnaire-12

(GHQ-12), 109

country differences, 164–165

Index 241

Generalizable case-based theory in	missing in EMBS articles, 12,
human resources	15-16
management, building,	visualizing, 8-12
85-151	Growing markets, 162–164
complexity theory, 91–97	firm orientation configurations,
core self-evaluation, 86, 89–90, 97,	188-193, 210-213
98, 102–105, 109–110,	firm performance in, 165–167
117-127, 147-150	performance capabilities,
emotional stability, 90, 103-105,	188-193, 210-213
109, 124, 125	
farm industries, 115–117	Human resources management
future research directions of,	(HRM)
149–150	generalizable case-based theory in,
generalized self-efficacy, 86, 90,	building, 85–151
103–105, 109, 110, 117,	2
120, 121	Implemented strategies (ISs), 33, 35
implications and practice of,	Incremental innovation, 182
150–151	Industrial marketing management,
job performance, 86, 92, 128, 131,	asymmetric modeling in, 74
132, 150	Information overload, 172
job satisfaction, 86–92, 97–107,	Innovation
110, 113–115, 133, 134,	incremental, 182
138–148, 150	radical, 182
job strain, 90, 101–105, 107, 109,	service, 176
128–130, 133, 135–139,	Innovation orientation (IO), 31, 32,
142	34, 37, 40, 41, 43, 164, 166,
job stress, 86–87, 90, 102, 105,	182–185, 188–189, 197, 210
133, 136, 142	Innovativeness, 165
limitations of, 149–150	Insufficiency, 91, 158–159
locus of control, 90, 103–105, 109,	Interpersonal conflict at work scale,
110, 121–123	106
Generalized self-efficacy (GSE), 86,	100
90, 103–105, 109, 110	Jeffreys, Sir Harold, 76
farmographic configurations of,	Job performance, 86, 92, 150
117, 120, 121	farmographic configurations of,
Gestalt school strategy (systems	128, 131, 132
approach), 157	Job satisfaction (JS), 77, 86–92, 110,
Global Alliance of Marketing and	147–148, 150
Management Associations	case-based theory construction,
(GAMMA), 8	97–107
Global Innovation and Knowledge	farmographic configurations of,
Academy (GIKA), 8	113–115, 133, 134,
Good science practice, 2	138–146

Job strain, 90, 101–105, 107, 109 farmographic configurations of, 128–130, 133, 135–139, 142	Occupation psychology, 90–91 Organizational constraints scale, 106 Organizational learning, 165
Job stress, 86–87, 90, 102, 105	Organizational retrenchment, 163
farmographic configurations of,	Orientation
133, 136, 142	brand, 164, 166, 175, 184, 186,
Job stressors, 105–109	190–191, 197, 207, 211
300 stressors, 103–109	brand-building, 31, 32, 34, 36, 40,
Likert scale, 94	43, 44
Linear discriminant analysis, 70	competitor, 30–32, 34, 36–37, 40,
Locus of control (LOC), 90,	41, 43, 44, 164, 166,
103–105, 109, 110	183–184, 185, 189–190, 197
farmographic configurations of, 121–123	
121–123	customer, 30, 164, 166, 171, 175,
Management (5 (7 70 72	183, 185, 197, 207, 210–212
Management, 65, 67, 70, 72	
industrial marketing, asymmetric	entrepreneurial, 33
modeling in, 74	innovation, 31, 32, 34, 37, 40, 41,
Many-to-many marketing, 75	43, 164, 166, 182–185,
Market orientation, 32, 33	188–189, 197, 210
Modeling	market, 32, 33
asymmetric, in industrial	product, 169, 172, 177, 179,
marketing management, 74	181–182
four-corner, 77–79	services, 169, 172, 177, 179,
structural equation, 64, 66, 67, 79,	181–182
80, 87, 112, 21	strategic, 30–33, 36, 40, 41,
Multicollinearity, 66	43–45, 53, 160–161,
Multiple regression analysis (MRA),	165–166, 197
3, 8, 22, 53–56, 64, 67, 75,	technology, 33
79, 80, 87–89, 94, 112, 136,	Outcomes, 26, 28–35, 63–81
147, 150–151, 157	
	Performance capabilities, 164
Neo-configurational perspective, 158	in declining markets, 184–188
Net present value (NPV), 179	farmographics configuration effect
Network theory, 75	on, 177–184, 202–206
Neuroticism, 90, 110	firm resource configurations effect
Null hypothesis significance testing	on, 177–184, 202–206
(NHST), 2–5, 7, 12, 15, 16,	in growing markets, 188–193
20, 21, 24, 30, 33, 35, 36,	Physical symptoms inventory, 106
40, 44, 52–59, 64, 65, 67,	Positive self-concept, 90, 101
79-81, 86, 89, 94, 97, 102,	Prediction, 63–81
128, 151	Predictive validity, 15, 56, 58, 66, 67,

72, 76, 214

bad science practice, 9

Index 243

Pricing decision prediction model, 68,	job, 77, 86–92, 97–107, 110,
69	113–115, 133, 134,
Problem gambling (PG), 8, 11–14	138–146, 147–148, 150
Product diversification, 187	Scale purification, 193–195
Product orientation, 169, 172, 177,	Science, 2–16, 64–67, 73, 76, 79, 81
179, 181–182	Scientific legitimacy, 64–65
Product specialization, 174	Scissors metaphor, 5, 90
Profit-focus behavioral theory of the	Screening, 26
firm, 92	Self-esteem (SE), 90, 103–105, 109, 110, 117–119
Quantitative workload scale, 106	farmographic configurations of, 117
Radical innovation, 182	Service brands, 172
Recipe principle, 76	Service innovation, 176
Regression analysis, 3, 5–8, 11, 15,	Services orientation, 169, 172, 177,
21, 74, 158	179, 181–182
Rejuvenation of marketing, 75	Set-theoretic approach, 158–159,
Relationship marketing, 169, 172,	165
176, 179	Significance testing, 66
	Size of the firm, 170, 175, 180–181
Requisite variety, 25	Small firms, performance capabilities
Research, 8, 11, 12, 15, 16	of, 178
corrupt, 2–4, 6 Resource	Social dysfunction, 101
	Somewhat precise outcome testing
complementarity, 157	(SPOT), 3, 4, 6, 7, 12, 15,
exploitation, 182	16, 20, 21, 24, 40, 57–59,
exploration, 182	64-67, 70, 74, 77, 79-81,
of the firm, 196–197	88, 89, 94, 97, 99, 112, 133,
management, 165	140, 151, 201
utilization, 165	Statistically significant symmetric
Resource-based view (RBV), 157,	relationship, 22–24
159–160, 165–166	Statistical Packages for the Social
Risk-seeking by troubled firms, 163	Sciences (SPSS), 93
	Statistical sameness testing, 6
Sales of firms	Strategic management, 19-59
declining sales in declining	case-based asymmetric model
markets, 49–52	findings, $40-56$
decreasing sales in growing	case-based versus variable-based
markets, 49	theory construction of
increasing sales in declining	antecedents, 28–34
markets, 47–49	complexity theory, tenets of,
Satisfaction	21-28
customer, 164, 181-182, 188, 190,	consistency and coverage indexes,
192-193, 205, 211, 212	39-40

limitations of, 56–59 method, 34-40 survey items, 36–39 Strategic orientations (SOs), 30-33, 36, 40, 41, 43-45, 53, 160–161, 165–166, 197 Structural equation modeling (SEM), 5, 7, 8, 64, 66, 67, 79, 80, 87, 112, 21 Sustainable competitive advantage (SCA), 160-162 Symmetric relationship, statistically significant, 22-24 Symmetric testing, 3, 6, 8, 11–13, 15, 16, 21

Technology orientation, 33
Thematic apperception testing (TAT), 149
Theory construction, 15
Tipping point, 27–28, 159

Value creation, 165
Variable-based versus case-based theory construction of antecedents, 28–34

Work-related anxiety, 101

Young firms, performance capabilities of, 177–178