

Index

A

- abstraction 352
- aggregate mapping approach 144
- aggregating 145
- aggregation 352
- analysis and design 236
- applicative cycle 178
- argument 350
- argument cognitive maps 349
- association 350
- AutoMap 88

B

- basic probability assignment function 113
- behavioral simulation 295
- belief function approach 109
- belief functions 110
- benchmarking 31

C

- categorical 350
- categories 198
- causal assertions 20
- causal inference 5
- causal map(s) 2, 22, 47, 109, 206, 343
- causal map elicitation 208
- causal mapping 143, 206
- causal mapping (CM) 1, 20, 47, 110, 233, 285, 314

- causal statements 27, 196
- cause-effect relationships 4
- class structures 354
- cluster analysis 205
- coding 6
- coding guidelines 267
- coding scheme 30, 196
- cognitive diversity 204, 205
- cognitive factions 205
- cognitive map 6, 21
- cognitive mapping 47
- cognitive maps 2, 48, 144, 350
- collective belief systems 50
- collective cause maps 205
- collective maps 143
- comparison of causal maps 56
- comprehensiveness 176
- concept classification 87
- concept identification 87
- concept/cognitive mapping 285
- concepts 198
- conceptual underpinnings 178
- congregate mapping 144
- constructs 176, 198
- content 3, 22, 189
- corporate strategy 285
- covert networks 89
- critical success factors 285
- critical value activities 285

D

data flow diagrams 234
 decision analysis 127
 decision theory 5
 Dempster-Shafer 110
 Dempster-Shafer (D-S) theory 109
 Dempster's rule of combination 111, 114
 dependence 285
 descriptive modeling 111
 diagram 35
 discovery 195
 discovery contexts 14
 diversity 177

E

empirical approaches 374
 encapsulation 352
 entity identification 87
 evaluative assertion analysis 5
 evidential diagram 110
 evidential network 116
 evidential reasoning 110
 evocative contexts 15
 expert-anchored 13

F

four-stage process 180
 fuzzy causal map 372
 fuzzy logic 371

G

graph and analyze data 87
 graph theory 5, 351
 group mapping 265
 group support systems 208

H

hierarchy 352
 human behavior 2
 hypothesis testing 9

I

ideographic 54
 in information systems 143

industrial dynamics 3
 influence diagrams 8, 371
 information asymmetry 292
 information silos 292
 information symmetry 285
 information systems (IS) 46, 263, 264
 information technology (IT) 1, 46, 109
 inheritance 362
 interactively elicited causal maps 22, 196
 interrelated information 144
 intervention contexts 16
 interview execution 240
 interview transcripts 196
 interviews 179
 IS developers 275
 IS research 12

J

job satisfaction 110

K

knowledge 84
 knowledge elicitation 48
 knowledge engineering 313
 knowledge management 313
 knowledge management practices 312

L

level of agreement 197
 level of granularity 198
 life cycle 314
 links-to-nodes ratio 145

M

map analysis 84
 map density 145
 map structure 55
 matrix 35
 mental models 88
 meta-matrix model 81
 meta-matrix text analysis 88
 methods 355
 modularization 352

N

neural networks 371
nomothetic 54

O

object structures 355
object-oriented (OO) software 174
object-oriented modeling 352
objectivist 13
ontological status 48
OO software development 175
open-ended questions 196
organizational context 234
organizational memory 318, 357

P

perform map analysis 87
probability theory 112
probes 196
project outcomes 235
propagation of beliefs 118
psycho-logic 5
psychometric proprieties 60

Q

qualitative 4, 40

R

RCMs 175
reachability 183
reliability 30, 60
research contexts 22
revealed causal map 22
revealed causal mapping (RCM) 110, 111, 180, 195
revealed causal maps 50, 110, 175

S

semantic networks 83
sensitivity analysis 127
shared meaning 51
simulation 369
social causal mapping 345
social constructionist 13

social network analysis (SNA) 85
soft systems methodology (SSM) 264
software development 313
stakeholders 263
standard vocabularies 9
strategic business units (SBU) 291
strategic planning 204
strategy development 266
structure 21, 177
structure of arguments 3
structured interviews 238
structured systems analysis and design
 method (SSA) 264
survey 186
system dynamics 371
systems development projects 238

T

text based causal maps 22
theoretical cycle 178
theoretical frameworks 176
theory-driven 31
top management team 204
Toulmin framework 3
traversal 351

U

unified modeling language (UML) 233, 234
users 275

V

validity 60

W

workshop 270