abstraction, 95
accuracy, 118, 188
acknowledgements, 199
activists, 208
analysis, 91, 103–4, 197
analytical framework, 195
applied
  econometric modelling, 54
  research, 51
Archigram, 17
architectural
  design, 14–15
  practice, 15
  research, Ch 2
  theory, 14, 17–18
ARCOM, 201
Aristotle, 67
artificial neural networks, Ch 14
attitudes, Ch 18
attitude scales
  Likert, 124, 129
  multi-item, 125, 128
  semantic differential, 124
authorship, 198–9
axial coding, 93
backcasting, 226
back propagation, 157
Belbin team roles, 208–10
bias, 5, 8, 94, 118
building
  life cycle, 169
  physics, 15
built environment futures, Ch 19
CAQDAS (Computer Assisted
  Qualitative Data Analysis
  Software), Ch 12
comparison, 136–7
methodology, 137–9
SNA 178–80
training, 139–40
case study, 6, 89, 91–3, 196, Ch 9
design, 100–101
selection, 101
theory, 93
causal layered analysis, 221–2
chi-square test, 147–8
clarity, 118
closed interview, 113
clustering, 162–4
code words, 90
coding, 91, 127
process, 93
coherentism, 65
colour coding, 90
comparative analysis, 89, 91
comparison groups, 91–2
competition scenarios, 225
complementarity, 8
completeness, 118
concepts, 76
conservatism, 95
consistency, 95
construction economics, 51, 195
industry, 51
management, 78, 156, 193, 195
research, Ch 1
Construction Management and Economics,
1, 2, 4, 5, 200
construction sector
  approach, 58
  framework, 58–60
constructivism, 76
correlation, 148–53, 164
  matrix, 130
Cowles Commission, 54
critical theory, 76
critical thinking, 184
cross impact analysis, 226
data
  acquisition, 161–2
  analysis, 89–90, 107, 161–2
  collection, 89
  gathering, 111
  overload, 94
  sorting, 91
Delphi technique, 219
dependent variable, 149
Descartes, R., 68–9
dissemination, 205
documents, 102
Duhem-Quine thesis, 82–3

ecological validity, 3
econometric
   analysis, 53, 55
   methods, 152
   modelling, 52–6, 152–3
econometrics, 52–6, 149
economic
   analysis, Ch 5
   indicators, 61
   modelling, Ch 5, 144
   theory, 51, 144
economics, 76, 212, 217
emotional intelligence, 208–10
empirical, 95
   research, 51, 197
   theory, 19
empiricism, 65, 69–71
engineering research, 14
epistemology, 75–6, 197, Ch 6
   classical, 66–8
   feminist, 40–42
   legal, 28–31
   modern, 68–71
   postmodern, 71–2
   standpoint, 44–5
epoch size, 164
ethics, 15, 43
ethnographic, 196
evaluation interviews, 116
Excel, 115, 153
exogenous variable, 80

facilitation, 8
factor analysis, 128–34
   extraction, 130–31
   identifying, 131
   rotation, 131
feminist research, Ch 4
   definition, 39
F distribution, 151–3
field
   data, 89
   observations, 87
fixed scenarios, 226
forecasting, 217
foresight, 216–17, 226–7
   principle, 217–18, 226
formal theory, 87
foundationalism, 65–6, 68–72
F statistic, 151
futures
   methodology, 226
   research, Ch 19
   studies, 217–18, 226
Futures Academy, 216
fuzzy logic, 155
Gadamer, H.G., 68
generic function, 22
global scenarios, 225
grounded theory, 76, 138, Ch 8
heteroscedasticity, 152–3
historical accounts, 87
homoscedasticity, 153
hypothesis, 70, 77, 86, 195–6
   testing, 144–53
hypothesico-deductive, 70, 76, 82, 197
independent variable, 149–50, 153
index cards, 90
indexing, 200
induction, 69–71
industry scenarios, 225
inference, 148–52
inferential statistics, 144–9
informal interview, 112
inner self, 207
innovation, 14, 17
interested engagement, 217
interpretive paradigm, 2
interpretivism, 8
interview, 87, 89, 102, Ch 10
   data, 89, 119
interviewee, 112, 115, 117, 119
interviewer, 113
investigative approach, 194
journal papers, 193–4
jurisprudence, 28
justification, 65
Kant, I., 71
keywords, 200–201
Kuhn, T., 71
learning
   rate, 165
   styles, 208
legal research, Ch 3
   disciplines, 35–7
   doctrines, 29–30
   methodology, 31–5
macroeconomic
   models, 51
   theory, 51
macroeconomics, 56–9
Maslow’s theory of needs, 209
mental health, 210
mesoeconomic approach, 56–60
mesoeconomics, 57
metaphysical theory, 79
methodological pluralism, Ch 1
methodology, 2, 10, 11, 86, 90
Miesian aesthetic, 15
motivation, Ch 18
movement economy (theory of), 22
multiple
   intelligences, 208
   regression, 150–53
Myers-Briggs type indicator, 208–9
natural movement (theory of), 25
networks, 19–20
neuro-fuzzy, 167–9
neuron, 158
Nietzsche, F., 72
normal distribution, 145–7, 152
normative
   scenarios, 219
   theory, 77
normativity, 217
null hypothesis, 148
NVivo, 118
observation, 77, 103
ontology, 7, 66, 75–6
optimisation, 165
oral histories, 45–6
parametric testing, 144
parsimony, 95
participatory action research, 45
personal environment, 207, 210, 215
phenomenological research,
   196, 207
philosophy, 75, 78, Ch 6
phrasing, 118
physiological need, 211
Plato, 66–7
Popper, K., 70
population, 93, 196
positivism, 70–71, 207
postal survey, 114
postmodernism, 71–2
pragmatist, 209
prospective, 221, 226
psychological need, 211
publication, 205
qualitative
   data, 93, 112–14, 120
   interviews, 116–17
   methodology, 4, 10
   quality, 140–41
   research, 2, 4, 7, 76
   variables, 169
quantitative
   analysis, Ch13
   methods, 5, 144
   research, 2–4, 144
   studies, 111–12
   variables, 169
questionnaires, 111, Ch 11
   administration, 126–7
   construction, 123–4
   fatigue, 122
   piloting, 125
   structure, 124
rational criticism, 82
rationalism, 2, 65, 68–9
raw data, 88, 117
reference, 202
reflectors, 208
reflexivity, 8
regression, 148–52, 155
reliability, 124, 132
research
   approach, 87
   design, 2, 3, 11
   environment, 207, 213–14
   interview, 112
   journals, 193
   method, 2–4
   paradigm, 4
   programme, 79
   project, 207
   question, 120, 196
   strategy, 2
   technique, 195
   theory, 195
   results, 199
   review paper, 193
Rorty, R., 71
R squared statistic, 150–51
sample, 93, 125–6, 196
sampling theory, 144–6
scenario, 216, 222–6
   learning, 217
   planning, 219
   techniques, 226
   typology, 225
sceptics, 67, 68–9
scientific
   argument, 195
   theories, Ch 7
scientist, 77
selective coding, 93
self-esteem, 211
self-organising map, 163
SNA (Social Network Analysis), Ch 15
   definition, 171
   selection, 172–3
social
   positioning, 210
   research, 1
   science, 79
Socrates, 66–7
Index

soft systems, 8
space
  patterns, 19
  syntax, 22–5
spatial layout analysis, 14
SPSS, 127, 153
standard deviation, 145–6
standardised interview, 113
statistical
  data, 53
  inference, 156
  tools, 164
structured interview, 113
substantive theory, 87
survey, 114
system
  architecture design, 160
  dynamics, 157–60
tact, 118
team roles, 210
technology
  foresight, 219
  scenario, 225
test statistics, 146–9
theorem, 78
theoretical
  concepts, 90
  research, 51
theories, 75–80, 193
theorist, 208
theory
  building, 86–91, 96
  development, 93, 196
  framework, 90
  generation, 90
thesis
  management, Ch 16
  statement, 183
  supervision, 186–7
time-series data, 217
topology, 164, 169
transfer functions, 164
triangulation, 8
t statistic, 147, 151–2
uniqueness, 95
unstructured interview, 113
urban planning, 18
validation, 165
validity, 124, 133
virtual community, 25
viva voce, 189–92
work-life balance, 211
z statistic, 146–7, 151