A
Ability, 56, 104
   ability type emotional intelligence test, 112–113
   and task performance, 232
tests, 106–109
Absence
culture, 244–245
   job satisfaction, 220–221
politics, 244–245
Abusive supervision, 307–308
Accidents
   associated factors, 256
   preventing, 256
difficulty in, 256
   and safety, 255–257
universal precautions, 258
Achievement leadership style, 317
Achievement test, 109
Action theory, 199–200
   action versus state orientation, 200
Actual performance criterion, 80
Additive tasks, 287–289
   group versus individual performance on, 287–289
   nominal group, 288
Administrative decisions, in performance appraisal, 77
Adverse impact, 152
Affective commitment, 222
Affirmative action, 155–157
Age
   and job satisfaction, 216
   and performance, 234–235
Aggression, 248–250
Albemarle Paper Company v. Moody (1975), 152
Alcohol as stress coping
   mechanism, 272–273
American Psychological Association (APA), 6
   APA Code, ethical principles from, 20
Americans With Disabilities Act (ADA), 11, 155
Analysis of variance (ANOVA), 45
Antecedents of job satisfaction, 209–219
   personal, 213–217
Appraisal, 76–101, See also
   Performance appraisal
Apprenticeship, 170
Arithmetic mean, 38
Army Alpha and Army Beta group tests, 10
Assessee, 122
Assessment centers, 103, 121–124
   assessors, 123
   dimensions scored in, 122
   in-basket exercise, 122
   leaderless group exercise, 122
   problem-solving simulation, 123
   role-play exercise, 123
Assessment methods, 102–129, See also
   Electronic assessment;
   Interviews
   assessment centers, 103, 121–124
   biographical information, 103, 116–118, See also individual entry
   interview, 103
   job-related characteristics, 103–104
   for placement, 102–129
   psychological tests, 104–115, See also individual entry
   for selection, 102–129
   work samples, 103, 121
Assessors, 122, 123
Attitudes and emotions, 203–229, See also
   Emotions at work
   collectivism, 205
   individualism, 205
   job satisfaction, nature of, 204, See also
   Job satisfaction
   masculinity, 205
   person-job fit, 217–218
   power distance, 206
   uncertainty avoidance, 206
Audiovisual instruction, 168–169
Australia, 13
   Autocratic leadership, 312
   Autoinstruction, 169
   Automaticity, 166
   Autonomous work teams, 296–297
   Autonomy, 210
B
Baake v. Regents of the University of California (1978), 152
Becoming an I-O psychologist, 16–19
   Canada, 16
gender distribution, 19
   GRE scores, 16
   job market, 19
   training, 16
   United States, 12
   universities in, 17–18
   universities outside, 15
Behaviorally Anchored Rating Scale (BARS), 87
Behavioral reactions, job strains from, 266
Behavior criteria, 175
Behavior-focused rating forms, 86–87
   Behaviorally Anchored Rating Scale (BARS), 87
   Behavior Observation Scale (BOS), 88
   cognitive processes underlying ratings, 90
development of, 89–90
   Mixed Standard Scale (MSS), 88
   models of rating process, 90–91
   Behavior Observation Scale (BOS), 88
   Belgium, 13
   Bennett Mechanical Comprehension Test (BMCT), 110
   ‘Big Five’ dimensions of personality, 233
   Big Five personality theory, 111
   Biographical information, 116–118
   empirical biographical inventory, 116
   rational biographical inventory, 116
   Biographical inventory, 116
   Blended learning, 171
   Brainstorming, 289–290
   Bullying, 270
   Bureaucracy theory, 338–340
   chain of command, 339
Bureaucracy theory (continued)
delegation of authority, 338–339
division of labor, 338
span of control, 339
Burnout, 275–276
depersonalization, 275
emotional exhaustion, 275
Maslach Burnout Inventory (MBI) scale, 275
reduced personal accomplishment, 275
Burnout, 275–276
depersonalization, 275
emotional exhaustion, 275
Maslach Burnout Inventory (MBI) scale, 275
reduced personal accomplishment, 275
Cafeeteria benefits program, 145
Canada, 13
Career development, 57
Career ladder, 57
Carpal tunnel syndrome, 259
Categorical measurement, 34
Central tendency errors, 93
Chain of command, 339
Change agent, 331
Charismatic leaders, 320
China, 13
Chronic kickers, 213
Circadian rhythms, 262
Civil Rights Act of 1964, 11, 152
Classical measurement theory, 34–35
Clinical psychology, 4
Closed-ended psychological tests, 105
Coercive power, 305
Cognitive ability tests, 106–108
Cognitive control theory, 186, 198–199
Collective groups, 284
Collectivism, 205
Combination Job Analysis Method (C‐JAM), 67
Commitment, 222–225
affective, 222
continuance, 222
normative, 222
occupational, 225
organizational, 222–223
Comparable worth, job evaluation, 72
Compensable job evaluation factors, 71
Compensation hypothesis, 221
Competency systems, 57
Competitive conflict, 284
Complexity, criteria, 81–83
composite criterion approach, 82
multidimensional approach, 83
Computer adaptive testing (CAT), 126–127
Computer‐supported cooperative work (CSCW), 240
Concurrent validation study, 140
Conference, 169
Conflicts, 269
Confounding, 29
Consideration, 312
Construct validity, 37
Contamination, 79
Content validity, 37–38
Contextual performance, 83–84
Contingency theory
Fiedler’s, 314–316
Least Preferred Coworker (LPC) scale, 315
task structure, 315
Continuance commitment, 222
Continuous measurement, 34
Control, 27–28
control group, 27
control group design, 177–178
decision processes, controlling, 306
and occupational stress, 270–272
procedures to achieve, 27
task structure, 315
Controls, 237–239
Cooperative conflict, 284
Co‐opting, 306
Correlation, 40
Costa Rica, 13
Counterproductive work behavior (CWB), 230
aggression, 248–250
sabotage, 248–250
theft, 248–250
withdrawal, 244–248
absence, 244–245
lateness, 245–246
turnover, 246–248
Criteria, 78–84, See also Performance criteria
Criterion, 42, 137
criterion‐related validity, 38
Critical incidents, 58, 88
Cross-cultural issues in leadership, 325–327
Cross‐sectional research design, 31
Custom‐made scales, 335
Deficiency, 79
360‐Degree feedback, 96–97
Delegation of Authority, 338–339
Demand/control model, 272
Dependent variables, 26, 29
Depersonalization, 275
Descriptive statistics, 38–42
arithmetic mean, 38
central tendency, measures of, 38–39
correlation, 40
dispersion, measures of, 38
median, 39
Pearson product‐moment correlation coefficient, 40
standard deviation, 39
variance, 39
Descriptive theories, 337
Design of technology, 237
Dictionary of Occupational Title (DOT), 664
Direction, 195
Directive leadership style, 317
Displays, 237–239
Distal motivation theories, 186
Distributional errors, 93
Distributive justice, 194
Division of labor, 338
Duty, 54
Dynamic criteria, 83
Electronic assessment, 125–127, See also
Computer adaptive testing (CAT)
electronic administration of advantages, 125
disadvantages, 125
psychological tests, 125–126
paper‐and‐pencil tests, 125
test‐taking strategies, 125
Electronic brainstorming, 289
Electronic training, 170–171
advantages, 171
drawbacks to, 171
Emotional dissonance, 227
Emotional exhaustion, 275
Emotional intelligence (EI) tests, 112–113
ability type, 112
trait type, 112
Emotional labor, 227
Emotions at work, 225–227
causes, 226
consequences, 226
emotional labor, 226–227
moods, 226
surface acting, 227
Empirical biographical inventory, 116
Employee motivation, See
Motivation, employee
Environmental antecedents of job satisfaction, 210–213
autonomy, 210
Fried and Ferris meta‐analysis, 211
job characteristics, 210–211
justice, 213
pay, 212
scope, 211
skill variety, 210
task feedback, 210
task identity, 210
task significance, 210
Environmental conditions and task performance, 235–241
Equity theory, 192
Error, 92
central tendency errors, 93
control of, 93–95
distributional errors, 93
error‐resistant forms to assess performance, 93–94
frame of reference training, 94
halo errors, 92–93
leniency errors, 93
rater error training (RET), 94–95
severity errors, 93
variance, 43
Essential functions, 57, 155
Ethics of I-O field, 20
American Psychological Association Code, 20
Ethics of research, 46–47
informed consent form, 47
Ethnic differences and job satisfaction, 216–217
Ethnic harassment, 308–310
European Association of Work and Organizational Psychology (EAWOP), 7
Executive coaching, 172–173
Expectancy, 189
Expectancy theory, 188–190
Experience sampling, 32
Experimental psychology, 3
Experiments, 29–31
Expert power, 304
Extrarole conflict, 268
Extrinsic satisfaction, 208
Flexible work schedules, 265
Flextime, See Flexible work schedules
Flight simulator
high fidelity, 165
low fidelity, 165
Force, 189
Formal roles, 283
Forming coalitions, 306
Four‐fifths rule, 154
Frame of reference training, 94
Functional job analysis (FJA), 68, 73
G
Galatea effect, 192
Gender
distribution, 19
and job satisfaction, 215
and leadership style, 325
Generalizability, 26–27
General principles, 164
Glass ceiling phenomenon, 323
Global approach, in job satisfaction, 204
Goal commitment, 196
Goal‐setting theory, 186, 195–197
feedback, 196
goal commitment, 196
goal orientation, 195
learning orientation, 195
performance orientation, 195
Grade point averages (GPAs), 112
Graduate Record Exam (GRE), 16
Graphic rating form, 86
Griggs v. Duke Power (1971), 152
Group cohesiveness, 284
Group decision making, 290–293
Group diversity, 295
Group polarization, 291–292
Group test, 105
Groupthink, 292–293
avoiding, suggestions for, 293
Growth need strength (GNS), 217, 235
Human‐technology interaction, 239–241
mental model, 240
Hypothesis, 25
I
Identical elements, 165
Illegalitimate tasks, 269
In‐basket exercise, 122
Incentive systems and performance, 236–237
Incivility, 269
Independent group t test, 45
Independent variables, 26, 29
Individualism, 205
Individually administered psychological tests, 105
Industrial psychology, 4
Inequity, 192
Infectious disease exposure, 257–258
Inferential statistics, 43–45
analysis of variance (ANOVA), 45
factorial ANOVA, 44, 45
independent group t test, 45
statistical significance, 44
Informal roles, 283
Informed consent form, 47
Initial Career Profile (ICP), 117
Initiating structure, 312
Inputs, 193
Instrumentality, 189
Integrity tests, 113
Intensity, 185
Internal consistency reliability, 36
Internals, 233
International differences in employees selection, 150–151
International Personality Item Pool (IPIP), 111
Interpersonal conflicts, 269
Inter‐rater reliability, 36
Interviews, 103, 118–120
structured interview, 118
technology in, 120
unstructured interview, 118
uses, 118
Intrarole conflict, 267
Intrinsic satisfaction, 208
I-O psychology
activities of, 4–6
associations, national and international, 7
definition, 4
history of, 8–12
important aspects of, 3
practicing, 6
Subject Index

I-O psychology (continued)
as a profession, 6–7, See also Becoming an I-O psychologist

job level of needs assessment, training, 161
job-oriented approach, 53–55, See also Task(s)

person-oriented, 55–56
job performance, 219–220
job-related characteristics, 103–104
job relevance, 111
job satisfaction

absence, 220–221
antecedents of, 209–219, See also Environmental Antecedents of Job Satisfaction

assessment of, 206–209
effects of, 219–222
facet approach, 204
global approach, 204
health and well-being, 221
job performance, 219–220
nature of, 204
turnover, 220

job strain, 266
behavioral reactions, 266
physical reactions, 266
psychological reactions, 266
Spector’s meta-analysis, 271

job stressor, 265, See also Occupational stress

role ambiguity, 267–268
role conflict, 267–268

joint optimization, 344
justice climate, 195

justice/justice theories, 185, 192–195, 213
distributive justice, 194, 213

equity theory, 192
fairness theory, 194
inputs, 193
justice climate, 195
outcomes, 193
overpayment, 193
procedural justice, 194, 213
underpayment inequity, 193

K
knowledge, 55, 104
tests, 109–110
knowledge, skill, ability, and other personal characteristics (KSAOs), 55, 232
team KSAOs, 294

Laboratory research setting, 26
lateness, 245–246
leader behavior approach, 311–314

autocratic, 312
cadre or in-group, 319
charismatic, 320
cross-cultural issues, 325–327
description, 304
gender and, 325
leader match, 316
leadership, 303–329

leader match, 316
leader behavior approach, 311–323
leader behavior approach, 311–323
leader emergence, 311
leadership, 303–329

charismatic, 320
cross-cultural issues, 325–327
description, 304
gender and, 325
leader match, 316
motivational structure, 315
vroom–yetton model, 321–323

understanding approaches, 310–323
leader emergence, 311
leader behavior approach, 311–314
leader behavior approach, 311–314
leader emergence, 311

trait approach, 311
vroom–yetton model, 321–323
women in, 323–325

learning criteria, 175
learning orientation, 195
leader behavior approach, 311–314
leader match, 316
leader emergence, 311

vroom–yetton model, 321–323
women in, 323–325

legal issues
in employees selection, 151–157, See also under Selecting employees

essential functions, 57
in job analysis, 57–58
in performance appraisal, 98–99
in U.S. employment, 57

legitimate power, 305
leniency errors, 93
level of specificity, 81

life satisfaction and job

satisfaction, 221–222
compensation hypothesis, 221
segmentation hypothesis, 221
spillover hypothesis, 221

line position, 339–340
<table>
<thead>
<tr>
<th>Subject Index</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Locus of control</strong>, 215</td>
</tr>
<tr>
<td>externals, 215</td>
</tr>
<tr>
<td>internals, 215</td>
</tr>
<tr>
<td>and performance, 233–234</td>
</tr>
<tr>
<td><strong>Longitudinal research design</strong>, 31</td>
</tr>
<tr>
<td><strong>Long shifts</strong>, 264–265</td>
</tr>
<tr>
<td><strong>Low fidelity simulator</strong>, 165</td>
</tr>
<tr>
<td><strong>M</strong></td>
</tr>
<tr>
<td>Management by objectives (MBO), 332–334</td>
</tr>
<tr>
<td><strong>Masculinity</strong>, 205</td>
</tr>
<tr>
<td><strong>Maslach Burnout Inventory (MBI) scale</strong>, 275</td>
</tr>
<tr>
<td><strong>Massed training</strong>, 166</td>
</tr>
<tr>
<td><strong>Measurement</strong>, 34–38, See also Reliability</td>
</tr>
<tr>
<td>categorical, 34</td>
</tr>
<tr>
<td>classical measurement theory, 34–35</td>
</tr>
<tr>
<td>continuous, 34</td>
</tr>
<tr>
<td>validity, 37–38</td>
</tr>
<tr>
<td><strong>Median</strong>, 39</td>
</tr>
<tr>
<td><strong>Mediator variable</strong>, 46</td>
</tr>
<tr>
<td><strong>Mental model</strong>, 240</td>
</tr>
<tr>
<td><strong>Mentoring</strong>, 171–172</td>
</tr>
<tr>
<td><strong>Meta-analysis</strong>, 45–46</td>
</tr>
<tr>
<td>of job satisfaction, 211</td>
</tr>
<tr>
<td><strong>Minnesota Satisfaction Questionnaire (MSQ)</strong>, 208</td>
</tr>
<tr>
<td>dimensions from, 208</td>
</tr>
<tr>
<td>extrinsic satisfaction, 208</td>
</tr>
<tr>
<td>intrinsic satisfaction, 208</td>
</tr>
<tr>
<td><strong>Mixed Standard Scale (MSS)</strong>, 88</td>
</tr>
<tr>
<td><strong>Mobbing</strong>, 270</td>
</tr>
<tr>
<td><strong>Modeling</strong>, 169</td>
</tr>
<tr>
<td><strong>Moderator variable</strong>, 46, 217</td>
</tr>
<tr>
<td><strong>Moods and emotions</strong>, 226</td>
</tr>
<tr>
<td><strong>Motivation and task performance</strong>, 232</td>
</tr>
<tr>
<td><strong>Motivation, employee</strong></td>
</tr>
<tr>
<td>action theory, 199–200</td>
</tr>
<tr>
<td>cognitive control theory, 186, 198–199</td>
</tr>
<tr>
<td>description, 185</td>
</tr>
<tr>
<td>direction, 195</td>
</tr>
<tr>
<td>distal motivation theories, 186</td>
</tr>
<tr>
<td>expectancy theory, 188–190</td>
</tr>
<tr>
<td>goal-setting theory, 186, 195–197</td>
</tr>
<tr>
<td>intensity, 185</td>
</tr>
<tr>
<td>justice theories, 185, 192–195, See also individual entry</td>
</tr>
<tr>
<td>need hierarchy theory classifies, 186–187</td>
</tr>
<tr>
<td>persistence, 185</td>
</tr>
<tr>
<td>proximal motivation theories, 186</td>
</tr>
<tr>
<td>self-efficacy theory, 185, 190–192</td>
</tr>
<tr>
<td><strong>theories of</strong>, 184–202, See also individual entries here</td>
</tr>
<tr>
<td><strong>two-factor theory</strong>, 187–188</td>
</tr>
<tr>
<td><strong>Motivation Potential Score (MPS)</strong>, 235</td>
</tr>
<tr>
<td><strong>Multidimensional approach</strong>, 83</td>
</tr>
<tr>
<td><strong>Multiple hurdles approach</strong>, 141–142</td>
</tr>
<tr>
<td><strong>Multiple regression</strong>, 42</td>
</tr>
<tr>
<td><strong>Musculoskeletal disorder (MSD)</strong>, 258</td>
</tr>
<tr>
<td><strong>N</strong></td>
</tr>
<tr>
<td><strong>National Institute of Industrial Psychology (NIIP)</strong>, 10</td>
</tr>
<tr>
<td><strong>Need hierarchy theory</strong>, 186–187</td>
</tr>
<tr>
<td>love needs, 187</td>
</tr>
<tr>
<td>physiological needs, 187</td>
</tr>
<tr>
<td>safety needs, 187</td>
</tr>
<tr>
<td>third, 187</td>
</tr>
<tr>
<td><strong>Needs assessment, training</strong>, 161–162, See also under Training</td>
</tr>
<tr>
<td><strong>Negative affectivity (NA)</strong>, 215</td>
</tr>
<tr>
<td><strong>Night shifts</strong>, 262</td>
</tr>
<tr>
<td><strong>Nominal group</strong>, 288</td>
</tr>
<tr>
<td><strong>Normative commitment</strong>, 222</td>
</tr>
<tr>
<td><strong>Norms</strong>, 283–284</td>
</tr>
<tr>
<td>norm violators, 283</td>
</tr>
<tr>
<td><strong>Objective measures of performance</strong>, 84–86</td>
</tr>
<tr>
<td><strong>Observational research designs</strong>, 32–33</td>
</tr>
<tr>
<td>obtrusive methods, 32, 33</td>
</tr>
<tr>
<td>qualitative studies, 33</td>
</tr>
<tr>
<td>unobtrusive methods, 32, 33</td>
</tr>
<tr>
<td><strong>Obtrusive methods</strong>, 32, 33</td>
</tr>
<tr>
<td><strong>Occupational commitment</strong>, 225</td>
</tr>
<tr>
<td><strong>Occupational health psychology (OHP)</strong>, 253–278, See also Workplace violence</td>
</tr>
<tr>
<td><strong>Occupational stress</strong>, 265–273</td>
</tr>
<tr>
<td>alcohol as coping mechanism, 272–273</td>
</tr>
<tr>
<td>burnout, 275–276</td>
</tr>
<tr>
<td>control, 270–271</td>
</tr>
<tr>
<td>demand/control model, 272</td>
</tr>
<tr>
<td>five-step model, 267</td>
</tr>
<tr>
<td>illegitimate tasks, 269</td>
</tr>
<tr>
<td>organizational politics, 270</td>
</tr>
<tr>
<td>recovery, 273</td>
</tr>
<tr>
<td>social stressors, 269</td>
</tr>
<tr>
<td>strain, 266, See also Job strain stress buffer, 272</td>
</tr>
<tr>
<td>workload, 268</td>
</tr>
<tr>
<td><strong>OPEN*NET, 63–64</strong></td>
</tr>
<tr>
<td><strong>OPEN*NET98 Data Dictionary</strong>, 64</td>
</tr>
<tr>
<td><strong>On-the-job training</strong>, 169–170</td>
</tr>
<tr>
<td><strong>Open-ended psychological tests</strong>, 105</td>
</tr>
<tr>
<td><strong>Open system theory</strong>, 341–343</td>
</tr>
<tr>
<td>characteristics, 342</td>
</tr>
<tr>
<td><strong>Organizational citizenship behavior (OCB)</strong>, 242–243</td>
</tr>
<tr>
<td><strong>Organizational commitment</strong>, 222–223</td>
</tr>
<tr>
<td>antecedent variables and, 224</td>
</tr>
<tr>
<td>assessment of, 223</td>
</tr>
<tr>
<td>mean correlations of, 224</td>
</tr>
<tr>
<td><strong>Organizational constraints</strong>, 241–242</td>
</tr>
<tr>
<td><strong>Organizational development (OD)</strong>, 331–332</td>
</tr>
<tr>
<td>change agent, 331</td>
</tr>
<tr>
<td>effectiveness of, 337</td>
</tr>
<tr>
<td>employee acceptance of change, 332</td>
</tr>
<tr>
<td>management by objectives (MBO), 332–334</td>
</tr>
<tr>
<td>survey feedback, 335</td>
</tr>
<tr>
<td>team building, 335–336</td>
</tr>
<tr>
<td>T-group, 336</td>
</tr>
<tr>
<td>and theory, 330–347</td>
</tr>
<tr>
<td><strong>Organizational politics</strong>, 270</td>
</tr>
<tr>
<td><strong>Organizational psychology</strong>, 4</td>
</tr>
<tr>
<td><strong>Organizational theories</strong>, 337–346</td>
</tr>
<tr>
<td>bureaucracy theory, 338–340</td>
</tr>
<tr>
<td>comparison of the theories, 345–346</td>
</tr>
<tr>
<td>descriptive theories, 337</td>
</tr>
<tr>
<td>line versus staff, 339–340</td>
</tr>
<tr>
<td>open system theory, 341–343</td>
</tr>
<tr>
<td>prescriptive theories, 337</td>
</tr>
<tr>
<td>sociotechnical systems theory, 343–345</td>
</tr>
<tr>
<td>Theory X/Theory Y, 340–341</td>
</tr>
<tr>
<td>Theory Z, 341</td>
</tr>
<tr>
<td><strong>Organization level of needs assessment, training</strong>, 161</td>
</tr>
<tr>
<td><strong>Outcomes</strong>, 193</td>
</tr>
<tr>
<td>Overlearning, 165–166</td>
</tr>
<tr>
<td>Overpayment, 193</td>
</tr>
<tr>
<td><strong>Overt integrity test</strong>, 113</td>
</tr>
<tr>
<td><strong>P</strong></td>
</tr>
<tr>
<td>Participative leadership, 312</td>
</tr>
<tr>
<td>Participative leadership style, 317</td>
</tr>
<tr>
<td>Part training, 166</td>
</tr>
<tr>
<td>Path-goal theory, 317–318</td>
</tr>
<tr>
<td>Pay and job satisfaction, 212</td>
</tr>
<tr>
<td><strong>Pearson product-moment correlation coefficient</strong>, 40</td>
</tr>
<tr>
<td><strong>Performance assessment methods</strong>, 84–96</td>
</tr>
<tr>
<td>360-degree feedback, 96–97</td>
</tr>
<tr>
<td>error-resistant forms to assess, 93–94</td>
</tr>
<tr>
<td><strong>objective measures</strong>, 84–86</td>
</tr>
</tbody>
</table>
Performance (continued)  
advantages, 85  
disadvantages, 85  
performance-level criteria, 174  
subjective measures, 84, 86–96, See also  
individual entry  
tests, 105, 106  
Performance appraisal, 58, 76–101  
employee development and  
feedback, 77–78  
legal issues in, 98–99  
in United States, 98  
reason for, 77–78  
administrative decisions, 77  
research, 78  
technology impact on, 97–98  
Performance criteria, 78–84  
actual versus theoretical criterion, 78–79  
characteristics, 78–81  
complexity, 81–83  
contamination, 79–81  
contextual performance, 83–84  
deficiency, 79  
dynamic criteria, 83  
level of specificity, 81  
relevance, 79  
Persistence, 185  
Personal antecedents of job satisfaction, 213–217  
age, 216  
chronic kickers, 213  
ethnic differences, 216–217  
gender, 215  
and job satisfaction, 215  
locus of control, 215  
externals, 215  
internals, 215  
negative affectivity (NA), 215  
personality, 213–215  
Personal characteristics, 55  
and task performance, 232–235  
Personality tests, 110–112  
integrity test, 113  
paper-and-pencil personality tests, 110  
Person-job fit, 217–218  
growth need strength (GNS), 217  
moderator variable, 217  
Person level of needs assessment, 162  
Personnel Tests for Industry (PTI), 106  
Person-oriented job approach, 55–56  
ability, 55  
knowledge, 55  
other personal characteristics, 55  
skill, 55  
p hacking, 48  
Physical reactions, job strains from, 266  
Piece-rate systems, 237  
Placement, assessment methods, 102–129,  
See also Assessment methods  
Point method job evaluation, 71–72  
Political action, Yukl’s sources of, 306–307  
controlling decision processes, 306  
co-opting, 306  
forming coalitions, 306  
Political skill, 307  
Position, 54  
Position Analysis Questionnaire (PAQ), 65–66  
categories, 65  
task inventory, 66–68  
Positive affectivity (PA), 215  
Power, 304–305  
coercive, 305  
distance, 206  
expert power, 304  
French and Raven’s bases of, 304–305  
legitimate, 305  
political action, Yukl’s sources of, 306–307  
political skill, 307  
referred power, 305  
reward power, 305  
sources of influence and, 304–307  
supervisory power, abuse of, 307–310  
Power tests, 106  
Predictive validity study, 140  
Predictor, 42, 137  
Prescriptive theories, 337  
Pretest-posttest design, 176–177  
Problem-solving simulation, 122  
Procedural justice, 194, 213  
Process loss, 285  
Productive behavior, 230–251, See also  
Counterproductive work behavior (CWB); Task  
performance controls, 237–239  
displays, 237–239  
locus of control and  
performance, 233–234  
organizational constraints, 241–242  
Programmed instruction, 169  
Protected classes concept, 153  
Prototype, 90  
Proximal motivation theories, 186  
Psychological reactions, job  
strains from, 266  
Psychological tests  
ability tests, 106–109  
Bennett Mechanical Comprehension  
Test (BMCT), 110  
Big Five personality theory, 111  
characteristics of tests, 105–106  
closed-ended versus open-ended  
tests, 105  
cognitive ability tests, 106–108  
drug testing, 115  
group versus individually administered  
tests, 105  
testing, 113  
knowledge tests, 109–110  
overt integrity test, 112  
paper-and-pencil versus performance  
tests, 105–106  
personality tests, 110–113  
power versus speed tests, 106  
psychomotor ability tests, 108–109  
Purdue Pegboard Dexterity test, 109  
skill tests, 109–110  
vocational interest tests, 114–115  
web-based resource, 111  
Psychology and Industrial Efficiency, 9  
Psychomotor ability tests, 108–109  
Purdue Pegboard Dexterity Test, 109  
Q  
Qualitative studies, 33  
Qualitative workload, 268  
Quality circles, 298–299  
Quantitative workload, 268  
Quasi-experiment design, 30  
Questionnaires, 31  
R  
Random assignment, 28  
Random selection, 28  
Rater bias, 92  
control of, 93–95  
Rater error training (RET), 94  
Rational biographical inventory, 116  
Reactions criteria, 175  
Realistic job preview (RJP), 145, 146  
Reasonable accommodation, 155  
Recruiting applicants, 134–137  
Reduced personal accomplishment, 275  
Referent power, 305  
Regression, 42–43, 142–144  
criterion, 42  
multiple regression, 42  
predictor, 42  
regression equation, 42  
Relevance, 79  
Reliability, 36–37  
internal consistency reliability, 36
Subject Index

inter-rater reliability, 36
test-retest reliability, 36
Repetitive strain injuries, 258
Research integrity, 47–48
Research methods, 23–49
covariates, 29
colations, 29–28
dependent variables, 29
design concepts, 25–29
descriptions, 29–33
cross-sectional design, 31
longitudinal design, 31
observational designs, 32–33
response rate, 32
survey designs, 31–32
Research questions, 24–25
research setting, 26
field setting, 26
laboratory setting, 26
Respite, stress, 273
Response rate, 32
Results criteria, 175
Reward power, 305
Role ambiguity, as stressor, 267
Role concept, 282–283
formal roles, 283
informal roles, 283
Role conflict as stressor, 267
extrarole conflict, 268
intrarole conflict, 267
Role-play exercise, 125
Role-playing, 170
Rowe v. General Motors (1972), 152
Sabotage, 248–250
Safety, occupational health and, 255–257
harmful substance exposure, 259–260
infectious disease exposure, 257–258
Schemata, 90
Scholastic Aptitude Test (SAT), 10
Scientific management approach, 9
Scientific selection, 146–150, See also
Utility analysis
Segmentation hypothesis, 221
Selecting employees, 132–159
acquiring applicants, 132
getting applicants to accept and
behavior of recruiters, 145
cafeteria benefits program, 145
keep jobs offered, 145–146
positive recruitment process, 145
hiring, 133
international differences in, 150–151
legal issues, 151–157
adverse impact, 152
adverse impact against women, 155
affirmative action, 155–156
Albermarle Paper Company v. Moody (1975), 152
Baake v. Regents of the University
of California (1978), 152
essential functions, 155
four-fifths rule, 154
legal selection outside United
States, 157
Price Waterhouse v. Hopkins
(1988), 152
reasonable accommodation, 155
Rowe v. General Motors
(1972), 152
multiple hurdles approach, 141
planning, 133
planning human resource
needs, 133–134
process of, 137–138

criterion, 137
predictor, 137
recruiting applicants, 134–137
regression approach, 142–144
selecting applicants, 132
steps involved, 133
uniform guidelines on
procedures, 155–155
in United States, 152–157
utility of scientific selection, 146–150,
See also Utility analysis
validation study, 138–142, See also
individual entry
Wards Cove Packing Company v. Atonio (1987), 152
Selection
assessment methods for, 102–129, See also Assessment methods
for jobs, 58–59
ratio, 147–148
Self-efficacy theory, 185, 190–192
Severity errors, 93
Sexual harassment, 308–310
Simulations, 170
Situational control, 315
Skill, 56, 104
tests, 109–110
variety, 210
Social facilitation, 287
Social inhibition, 287
Social loafing, 288
Social stressors, 269
bullying, 270
incivility, 269
interpersonal conflicts, 269
mobbing, 270
Society for Industrial and Organizational
Psychology (SIOP), 6, 11
Society for Occupational Health
Psychology (SOHP), 7
Sociotechnical systems theory, 343–345
environment in, 343
people in, 343
technology in, 343
Spaced training, 167
Span of control, 339
Speed tests, 106
Spillover hypothesis, 221
Staff position, 339–340
Standard deviation, 39
Standardized scales, 335
Statistics, 38–46, See also Descriptive
Statistics; Inferential statistics;
Regression
mediator variable, 46
meta-analysis, 45–46
moderator variable, 46
Stress, 265–273, See also
Occupational stress
stress buffer, 272
Structured interview, 118
Subjective measures of
performance, 84, 86–96
behavior-focused rating forms, 86–89
content of subordinate
effectiveness, 91–93
distributional errors, 93
error, 92, See also individual entry
factors influencing ratings, 95–96
manager’s perceptions, 96
mood of supervisor, 95
race of employees, 96
supervisor expectation, 96
graphic rating form, 86
halo errors, 92–93
rater bias, 92
Subjective probability, 189
Subject matter experts (SMEs), 60
Subject Index

Subordinate effectiveness, 91
Supervisory leadership styles, 317
  achievement style, 317
  directive style, 317
  participative style, 317
  supportive style, 317
Supervisory power, abuse of, 307–310
  ethnic harassment, 308–310
  sexual harassment, 308–310
Supportive leadership style, 317
Surface acting, 227
Survey designs, 31–32
  advantages, 31
  disadvantages, 31
Survey feedback, 335
  custom-made scales, 335
  stages in, 335
  standardized scales, 335
Sweden, 15
Switzerland, 15

T
Task(s)
  activities, 55
  feedback, 210
  hierarchy in, 54
  duty, 54
  position, 54
  task, 54
  identity, 210
  inventory, 66–68
  significance, 210
Task performance
  ability and, 232
  age and, 234–235
  ‘Big Five’ and, 233
  environmental conditions
    and, 235–241
  incentive systems and, 236–237
  job characteristics and, 235
  motivation and, 232
  personal characteristics and, 232–235
Team building, 299–300, 335–336
Team commitment, 285
Team conflict, 284–285
  competitive conflict, 284
  cooperative conflict, 284
Team innovation, 293–294
Team KSAOs, 294
Team mental model, 286
Test-retest reliability, 36
T-group, 336
Theft, 248–250
Theoretical performance criterion, 79

Theory of Advertising, The, 9
Theory X/Theory Y, 340–341
  hard approach, 341
  McGregor’s propositions, 341
  soft approach, 341
Theory Z, 341
Time and motion study, 9
Training, 59, 160–181, See also Transfer of training
  audiovisual instruction, 168–169
  autoinstruction, 169
  conference, 169
  data, 178
    analyzing, 178–179
    collection, 178
    interpreting, 178–179
  delivery of training program, 173
  design, 162–173
  choosing, 176–178
  control group design, 176
  pretest-posttest design, 176
electronic training, 170–171
evaluation of training program, 174–171
executive coaching, 172–173
lecture, 169
massed training, 166
measures of criteria, choosing, 178
methods, 168–170
modeling, 169
needs assessment, 161–162
  job level, 161
  organization level, 161
  person level, 162
  objectives, 162
  on-the-job training, 169–170
  overlearning, 165–166
  part training, 166
  programmed instruction, 169
  role-playing, 170
  sessions, sequencing of, 160–167
  set criteria, 174–176
    behavior criteria, 175
    learning criteria, 175
  performance-level criteria, 174
  reactions criteria, 175
  results criteria, 175
  training-level criteria, 174
  simulations, 170
  spaced training, 166
  steps involved, 161
  trainee characteristics, 163–164
  whole training, 166
  work environment, 167
Training-level criteria, 174
Trait approach, 311

Trait type emotional intelligence
  test, 112
Transfer of training, 162
  ability, 163
  attitudes, 164
  design factors affecting, 164–167
  feedback, 164
  general principles, 164
  motivation, 163
Transformational leadership
  theory, 320–321
  components, 321
  2-test, 24
Turnover, 224, 246–248
  and job satisfaction, 220
Two-factor theory, 187–188
  hygiene factors, 187
  motivator factors, 187

U
Uncertainty avoidance, 206
Underemployment, 218–219
Underpayment inequity, 193
Unit control of variances, 344
United Kingdom, I-O psychology in, 12–15
United States, I-O psychology in, 12–15
  universities in, 17–18
Unobtrusive methods, 92, 33
Unstructured interview, 118
Utility analysis, 146–150
  best approach to, 150
  computing, 149–150
  selection devices, working, 147–149
    baserate, 147
    false negatives, 149
    false positives, 149
    selection ratio, 147–148
    true negatives, 149
    true positives, 149
    validity, 148
    valid predictors, advantages, 148–149

V
Valence, 189
Validation study, 138–141
  alternatives to, 144
  conducting, 158–141
  cross-validation (Step 5), 141
  job analysis, conducting (Step 1), 138–139
  job performance criteria, specifying (Step 2), 139
  predictor information, use, 141–144
predictors, selecting (Step 3), 139–140
predictors, validating (Step 4), 140
concurrent validation study, 140
predictive validity study, 140
validity generalization, 141
Validity, 37–38, 148
construct validity, 37
content validity, 37
criterion-related, 38
face validity, 37
Variables
dependent, 26
independent, 26
Variance, 39
Veteran reintegration, 173
Violence prevention climate, 262
Virtual teams, 282
Vocational counseling, 59
Vocational interest tests, 114–115
Vroom–Yetton Model, 321–323
decision-making situation, 322

W
Wards Cove Packing Company v. Atonio (1987), 152
Women
as I-O psychologists, 19
in leadership positions, 323–325
glass ceiling phenomenon, 325
Work environment in training, 167
Work-family conflict, 273–274
negative effects of, 274
steps to overcome, 274
flexible schedules, 274
on-site child care, 274
Work group, 280–302
group cohesiveness, 284
group versus individual performance
on additive tasks, 287–289
important concepts, 282–286
norms, 283–284
in organizations, interventions
with, 295–300
role concept, 282
versus work teams, 281–282
Workload and stress, 268
qualitative workload, 268
quantitative workload, 268
Workplace telepressure, 268
Workplace violence, 261–262
fatal assaults, 261
nonfatal assault, 261–262
occupations associated with, 261
Work sample, 103
Work schedules and health, 262–265
fatigue, 264
flexible work schedules, 265
long shifts, 264–265
night shifts, 262
sleep disturbance, 263
Work teams, 280–302, See also Virtual teams
autonomous, 296–297
process loss, 285
team conflict, 284–285