INDEX

Aggregation model, 131 Amygdala, 158 Analysis of Functional NeuroImages software (AFNI software), 165 Analytic technique, 107 Anterior cingulate cortex (ACC), 156, 158 Anti-psychopathology, 160 Artificial intelligence (AI), 2 Behavioral measures, 77, 81 Bivariate t-tests, 86 Buffering effect, 107 Chi-square tests, 86 Coalitions, 81 Collectivism value theory, 159 Collectivistic values, 160 Confirmation bias, 31–32 Consistency, 57-58 Construction tasks, 149 Cox proportional hazards model, 36-40 Crimes. 35 Crowdsource platforms, 6 Culture-gene coevolution theory, 160 Cyberball paradigm, 157, 163 Debriefing, 147 Dilemma tasks, 149 Direct exchange patterns, 56–58 Discussion group studies, 138-139 assessment, 149 camera and VCR issues, 143-147 coding and analysis of data, 147 - 148compensating participants, 143 ensuring rigor in face-to-face studies, 142-147

fundamental properties of face-toface group studies, 141-142 open interaction studies, 140-141 recommendations, 151-152 setting, 143 standardized experimental setting studies, 139-140 technology, 149-151 Distress, 104 Distribution of materials, 146 Dorsolateral prefrontal cortex (dlPFC), 156-157, 160 - 161Dual coping mechanisms, 157 Dual process models, 159 Empathy, 3, 8 Endorsement, 81 Evaluation, potency, and activity (EPA), 128 Exchange patterns, 55 design and participants, 59 manipulations, 61-63 measures, 63-64 methods, 59-64 model, 64 patterns of direct exchange, perceptions of predictability and fairness, and group identification, 56-58 power, 53-56 procedures, 60 results, 64-68 Exchange theory, 78 Exclusion, 156 Expectation states, 120 Experiments, 80, 122 Explicit processing, 159 Explicit/conscious neural system, 160 - 161

Extra-legal information, 25 Face-to-face group studies ensuring rigor in, 142-147 fundamental properties of, 141 - 142Face-to-face interaction, 139 Female-on-female crimes (FF crimes), 36, 40 First-order expectations, 120 Fisek-Berger-Moore theory and research (F-B-M theory and research), 120-122 Fisher's C test statistic, 64-65 Functional Magnetic Resonance Imaging scanner (fMRI scanner), 157, 173 demographic characteristics, 165 - 166experiment, 162-165 image acquisition and analysis, 165 ROI results, 169-171 sample, 161-162 social exclusion and neurological distress responses, 157-159 values and neurologically dissociable dual mechanisms, 159-161 whole-brain fMRI results, 166-169 Gender, 2–4, 13, 25 role congruity theory of, 28-30 roles, 29 Generalized linear models, 86 Glass ceiling, 78–79 Grand Unified Theory, 151–152 Group identification, 56-58 H-statistic, 105 High-power actors, 55-56 Human-AI interaction, 2 literature, 4-5 Human-AI role-taking, 5–6 analysis, 8 attention checks, 8

findings, 9-15

methods, 5–8 stimuli, 6–7 variables, 7-8 Human-computer interaction, 4 Human-machine interaction, 4 Ideal victim, 31 Identity discrepancy, 104 theory, 99-100 verification, 100 Implicit processing, 159 Implicit/automatic neural system, 160-161 Inconsistency model, 131-133 Individualism, 159 Individualistic values, 160 Inequality, 120 Insula, 158 Integration of AI into human processes, 13-14 Interaction, 138 Interaction plot, 110-111 Justice evaluations, 52–53 Kaplan-Meier survival functions, 35 - 36Legitimacy, 76 analyses and results, 86-91 challenge to measure, 77-81 design and participants, 83-85 hypotheses, 81-82 processes, 80-81 theoretical development, 77-81

theoretical development, time measures, 85–86 Lighting, 144 Low-power actors, 55–56

Male-on-male crimes (MM crimes), 36, 40 Mental models, 28–29 Modified tit-for-tat strategy, 62–63 Moore's theory, 121 Morality, 156–157

Multiplex ties, 102–103 Multiplexity, 99, 105-106 contextualizing self-complexity with. 102-103 Multivariate regressions, 107 National Incident-Based Reporting System (NIBRS), 26-27, 33-34 Negatively connected power-imbalanced networks, 54-55 Negotiated exchanges, 55 Negotiation, 52-53 Neuroimaging studies, 158 Neurological distress responses, 157-159 Neurologically dissociable dual mechanisms, 159-161 Non-lethal crime, 42

Nonparametric estimates, 35–36 Normal crime, 25–26, 31 Novel theory, 158–159

Offender-victim dyads, 25–26 data and measures, 33–35 gendered composition, 26 hypothesis development, 30–33 importance, 27–28 measures, 34–35 survival function analysis, 35–40 Open interaction studies, 140–141 Operations, 145

Pairwise Wilcoxon tests of difference, 38 "Paper and pencil" methods, 139 Perceptions of predictability and fairness, 56–58 Performance expectations, 120 Perspective taking, 3, 7 Positive and Negative Affect Schedule (PANAS), 162 Power, 53, 56, 76 in groups and organizations, 78–80 power-dependence theorists, 53–54

power-imbalanced exchange networks, 54-55 Prestige hierarchies, 79 Problem-solving tasks, 149 Qualified perceptions, 13–14 Race, 162 Reciprocal exchanges, 55 Reciprocation, 53 Reciprocity, 52-53 Recording logistics, 146 Region of Interest (ROI), 165 results, 169-171 Regressions test, 107 Rejection of AI's human capacities, 13 - 14Relational approach, 26–27 Reliability, 139-140 Role congruity theory, 26 of gender, 28-30 Role schema, 28–29 Role theory, 29 Role-taking, 2 with AI, 13-15 literature, 2-5 variation, 25 Schemas, 28-29 Seating, 144 Second-order expectations, 120 comparing models, 129-131 empirical comparisons, 125-129 Fisek-Berger-Moore theory and research, 120-122 research. 131–134 study, 120 Troyer-Younts-Kalkhoff theory and research, 122-124 Webster-Whitmeyer-Rashotte theory and research, 125 Self-awareness, 160 Self-complexity, 98-100, 102, 105 benefits. 99 contextualizing self-complexity with multiplexity, 102–103

data, 103 identity theory, 99-100 measures, 104-107 results, 107-111 sample, 103 Self-enhancement, 160 "Self-in-self" model of role-taking, 3 Self-protection, 160 Shipley's test of direct separation, 64-65 Social cognitive neuroscience, 160 - 161Social exclusion, 156-157, 159 Social network analysis, 102 Social neurosciences, 156 Social order, 80 Social psychology, 2 Social roles, 28-29 Sociology of morality, 156-157 Sound recording, 144-145 Source model, 131 Source theory, 121 Standardized experimental setting studies, 139-140 Standardized experimental situation, 138 Status, 76-77, 120, 138 in groups and organizations, 78-80 Stratified Cox model, 38 Structural equation modeling (SEM), 64

Survival function analysis, 35–40 Cox proportional hazards model, 36–40 nonparametric estimates, 35–36 Survival tasks, 149

T-tests, 8 Task, 138, 145 Time to clearance, 24 Troyer-Younts-Kalkhoff theory and research (T-Y-K theory and research), 122–124

Unequal power, 79

Validity, 138 Values, 159–161 Ventromedial prefrontal cortex (vmPFC), 156–157, 160–161 Virtual ball tossing game, 157

Webster-Whitmeyer-Rashotte theory and research (W-W-R theory and research), 125 Whole-brain fMRI results, 166–169 Workplace friendships, 113–114

Zoom, 149–151