

## Index

- Abecedarian program  
cost–benefit analysis, 132–33  
features of, 115  
follow-up information, 117
- ABM. *See* agent-based models
- Academy of Experimental Criminology, 15–16
- ADHD (attention-deficit hyperactivity disorder), 130
- adolescent limited offenders (Moffitt), 78
- agent-based models (ABM)  
overview, 67–68  
peer effect on delinquency, 75–80  
policing and drug markets, 74  
routine activity theory, 74  
sociology and social psychology, 75
- alcohol consumption  
anger and, 18  
long-term follow-ups, 119–21
- Alt, Francis, 227
- American Society of Criminology, Division of Experimental Criminology, 15–16
- amygdala abnormalities, 46–47
- analytical sociology (Hedström), 74–75
- anger  
alcohol consumption and, 18  
omega-3 consumption and, 57
- Angrist, Joshua D., 15, 214
- antisocial behavior  
brain abnormalities relating to, 46, 48  
effect of nutrition on, 49–58  
heterogeneity in propensity for delinquency, 76–78
- Aos, Steve, 263, 266
- Ariel, Barak, 146
- Asch, Solomon E., 26
- attention-deficit hyperactivity disorder (ADHD), 130
- Auerhahn, Kathleen, 74
- Bacher, Jean-Luc, 17
- Bandura, Albert, 26
- Barnett, W. Steven, 132, 265, 266, 268
- Bayarri, Maria J., 72
- Berk, Richard A., 164, 196, 214, 215, 216–17, 218–19, 236, 245, 289–90
- Berry, Brian J., 69
- Bersoff, David M., 25–26
- Bhati, Avinash Singh, 74
- Bijleveld, Catrien, 17
- Binder, A., 164–65
- Blais, Etienne, 17
- block randomization methods, 7, 141–59  
challenge of developing clear standard, 157  
contribution of statistical blocking to equivalence, 152–56  
fully blocked randomization, 146–49, 156  
influence of place-based experiments, 141–42
- Jersey City Drug Market Analysis Experiment, 150–56
- meta-analysis, 144–45
- naïve randomization, 147–49, 151, 152–54, 155, 156
- overview, 150–51
- rise of place-based experiments, 141
- sample size and equivalence, 154–56

- block randomization methods (*cont.*)  
 statistical blocks for  
 randomization, 151  
 statistical limitations of small-N  
 experiments, 142–43  
 systematic reviews, 143–45  
 test statistic needed to achieve  
 statistical significance, 148, 149
- Blueprints model programs, 28
- Bobo doll experiment, 26
- Bodinger, H., 98
- Bond, Brenda J., 292
- Bosse, Tibor, 74, 79–80, 82
- Bottoms, Anthony, 65
- Bowers, William, 228
- Brady Handgun Violence  
 Prevention Act, 228
- Braga, Anthony A., 232, 238, 292
- broken windows theory, 20
- Buydens-Branchey, Laure, 57
- bystander effect, 96–99
- Cambridge-Somerville Youth Study  
 features of, 115  
 follow-up information, 114, 117  
 fully blocked randomization  
 versus naïve randomization,  
 146–47, 148–49  
 matching and randomization, 116  
 results of, 122  
 undesirable effects of, 121–23, 133
- Camp, Scott D., 19–20
- Campbell, Donald T., 1, 2, 196,  
 234, 259, 282
- Campbell, Frances A., 132
- Campbell Collaboration  
 Crime and Justice Group, 15–16,  
 143–44, 260–62  
 focused deterrence strategies,  
 237–38  
 incarceration-based drug  
 treatment, 175–76  
 observational studies, 282  
 systematic reviews, 2, 16, 259–62
- Carrington, Charles V., 43
- CBT (cognitive–behavioral therapy),  
 172–73, 178–79
- Center for Evidence-Based Crime  
 Policy, 15–16
- cheating, 18, 25, 32
- Chen, Keith M., 216
- Clark, D., 94–95
- Clear, Todd, 282–83
- Clements, Nancy, 31
- Cochrane, Archie, 259
- Cochrane Collaboration, 258–59
- cognitive–behavioral therapy (CBT),  
 172–73, 178–79
- Cohen, L. E., 91
- Cohn, E. G., 165
- collaborative review groups  
 (CRGs), 258–59
- collective efficacy, 20
- college samples, generalizing findings to  
 different contexts, 23
- computer simulation  
 experiments, 5, 65–84  
 advantages of, 68–71  
 benchmark and seed value  
 development, 72–73  
 benchmarks drawn from prior  
 empirical data, 71  
 empirical data and, 81–82  
 forms of, 67–68  
 general objectives of, 71  
 limitations of, 80–83  
 model approximation, 73  
 model output analysis, 73  
 model specification and  
 planning, 72  
 need for, 67–68  
 possibilities of, 80–83  
 previous applications of, 74–80  
 process illumination, 72  
 reintroduction of evidence into  
 theoretical development, 73  
 scientific process and, 72–74
- Conrey, Frederica R., 75
- CONSORT (Consolidated Standards of  
 Reporting Trials), 186–88
- construct validity  
 defined, 2  
 experimental tests of criminological  
 theory, 25–26
- Cook, Philip J., 228
- Cook, Thomas D., 218, 234, 282
- correctional boot camps, 176
- cost–benefit analysis, 9, 263–68  
 cost-effectiveness analysis  
 versus, 263, 265  
 costs and benefits distribution, 267  
 defined, 254–55  
 monetary value estimation,  
 265–66

## INDEX

## 301

- present value calculation and profitability assessment, 266–67
- program effects estimation, 264–65
- scope definition, 264
- sensitivity analysis, 267–68
- Washington State's cost-benefit model, 268–71
- cost-effectiveness analysis, 263, 265
- count regression models, 236
- counterfactual modeling approaches, 26, 72, 76, 198, 225
- covariates as statistical controls, 158
- CRGs (collaborative review groups), 258–59
- crime mapping technologies, 244
- crime science movement, 283–84
- criminogenic effects, 19–20
- Criminology*, 18–19
- Crowley, James, 43
- Darley, John M., 33–34, 96
- Davis, Edward F., III, 238–40
- de Leeuw, Jan, 214
- defensive guardianship, 92
- Dertke, M. C., 97
- desistance theory
- marriage as turning point facilitating desistance, 27
  - triangulation approach, 33
- deterrence strategies, 17, 21, 237–38
- Deutsch, Stuart, 227
- DHA (Docosahexaenoic acid), 49, 53, 54, 55–57, 58
- difference-in-differences approach, 200, 201
- differential opportunity theory, 26
- Dishion, Thomas J., 32
- Docosahexaenoic acid (DHA), 49, 53, 54, 55–57, 58
- domestic violence, 18–19, 164–65, 169, 230, 287–88
- Drake, Elizabeth J., 263
- Dray, Anne, 74
- drift theory (Matza), 25–26
- drug court effectiveness, 167–68, 179–80, 182–83
- drug offender treatment, 74, 175–76, 177, 178
- early childhood programs, 197–99, 203–15
- EBM. *See* equation-based models
- Eck, John E., 71, 81, 82, 143
- economic analysis. *See* cost-benefit analysis
- economic model of crime, 215
- efficacy and effectiveness research, 180–83
- Eicosapentaenoic acid (EPA), 54, 56–57, 58
- Elffers, Henk, 74, 80, 103
- Elsbach, Kimberly D., 31, 32
- employment-based (work-based) programs, 177
- environmental enrichment programs, 50–52
- EPA (Eicosapentaenoic acid), 54, 56–57, 58
- Epstein, Joshua M., 70–71
- equation-based models (EBM)
- overview, 67–68
  - repeat burglary, 74
  - sentencing policy, 74
- Escobar, Collette M., 266
- ethical issues
- experimental tests of criminological theory, 24–25
  - preventive guardianship experiments, 95–96, 102
- eugenics, 43
- evidence-based movement, 2–3, 223, 253–54, 271–72
- experimental criminology, 9, 15–35, 277–93
- construct validity, 25–26
- differential amenability, 26–27
- ethics, 24–25
- evidence-based crime policy, 278–82
- experimentation as part of triangulation, 30–34
- external validity, 23–24
- external validity and policy relevance, 285–88
- feasibility of, 22–30
- key benefit of, 2
- link to evidence-based movement, 2–3
- other research methods and, 3
- oversold as “gold standard”, 288–91
- overview, 4
- risk processes, 27–30
- roots of, 1–2
- scarcity of theory in, 15–22
- stifling innovation, 282–85

- experimental neurocriminology, 4–5, 43–60  
 antisocial behavior, 52–58  
 later crime, 50–52  
 malnutrition, 49–52  
 neurobiological basis to crime, 44–49  
 omega-3, 53–58  
 poor fear conditioning, 46–49  
 violent crime, 45–46  
 experimenting society concept, 1, 2  
 external validity  
   defined, 2  
   difficulty of investigating, 2  
 experimental tests of criminological theory, 23–24  
 policy relevance and, 285–88  
 responses to problems with, 285–86  
 Exum, M. Lyn, 18
- Fagan, Jeffrey, 236  
 falsification (placebo) testing, 210–13  
 fare dodging, 17  
 Farrington, David P., 34, 90, 100, 111–12, 142–43, 144–45, 146, 154, 157, 159, 234, 280, 281
- Fast Track experiment  
   effects of, 133  
   features of, 114, 116  
   follow-up information, 118  
   subgroup analysis, 130–31
- Felson, Marcus, 91
- Feynman, Richard, 70
- Fine, Gary A., 31, 32
- Fisher, R. A., 145
- formal guardians, 92
- Frankenberg, Frances R., 57
- Friedman, Lee S., 265
- fully blocked randomization, 146–49, 156
- Gaes, Gerald G., 19–20
- gang violence, 230–38
- Gao, Yu, 46–47
- Gardner, Margo, 24, 28–30
- Garofalo, J., 94–95
- Gelfand, D., 97
- general strain theory, 24
- Gerritsen, Charlotte, 74
- Gesch, C. Bernard, 57–58
- Gilbert, Nigel, 82
- Glaser, Barney J., 31
- Glenn, Andrea L., 48
- glucose metabolism in the brain, 45–46
- Good Behavior Game  
   features of, 114, 116  
   follow-up information, 118
- Gottlieb, A., 97
- Granic, Isabella, 75
- Groff, Elizabeth, 74
- group conformity, 26
- group inhibition, 33–34
- growth curve regression models, 236, 238, 242
- Guardianship in Action tool (Reynald), 92
- guardianship research, 5–6, 90–105  
   connection between guardianship and crime, 92–96  
   formal versus informal guardians, 92, 103  
   levels of guardianship, 91–92  
   preventive guardianship, 93–95  
   95–96, 100–04  
   proxy and primary guardianship, 94–95  
   repressive guardianship, 93–94, 95, 96–99  
   routine activity theory and guardianship, 91  
   time sequencing, 92–94
- gun control laws, 227–28
- Gustafsson, Per A., 57
- Hallahan, Brian, 57
- Hamazaki, Tomohito, 55–56
- Hay, Richard, 227–28
- Haynie, Dana, 76
- HDC (Home Detention Curfew), 216
- Head Start pre-kindergarten program, 197–99, 203–15
- Heckman, James J., 23, 27, 31
- Heckman two-step selection correction, 200, 202
- Hedström, Peter, 74–75
- helping behavior, 96–99
- Henggeler, Scott W., 181–82
- Hewett, C., 187
- Hibbeln, Joseph R., 53–55
- High-Intensity Drug Trafficking Areas (HIDTA), 177–78
- Hirschi, Travis, 21
- Hjalmarsson, Randi, 217

- Holland, John, 84
- Hollenstein, Tom, 75
- Hollis-Peel, Meghan E., 90, 92, 95, 104
- Home Detention Curfew (HDC), 216
- Horney, Julie, 69
- hot-spot policing, 102, 141–45, 238–42
- Hough, Michael, 286–87
- housing vouchers, 20
- Hureau, David M., 238
- Imbens, Guido, 214
- incarceration-based drug treatment  
in therapeutic communities  
(TCs), 175–76
- individual fixed effects, 202
- Infant Health and Development  
Project
- features of, 115
  - follow-up information, 117
  - results of, 129
  - subgroup analysis, 129, 133
- informal guardians, 92, 103
- institutional anomie, 26
- Institutional Review Boards  
(IRBs), 184–86
- instrumental variables, 201
- insurance claim padding, 17
- intensive supervision probation and  
parole (ISP), 169–70, 172, 188
- internal validity
- assessing strength of evidence, 224–25
  - defined, 2
  - promotion of evaluation designs with  
strong, 284–85
  - quasi-experimental designs, 228
- interrupted time series analysis, 227–28
- IRBs (Institutional Review  
Boards), 184–86
- ISP (intensive supervision probation and  
parole), 169–70, 172, 188
- JCE. *See* Jersey City Drug Market Analysis  
Experiment
- Jerry Lee Centre of Experimental  
Criminology, 15–16, 17
- Jersey City Drug Market Analysis  
Experiment (JCE), 150–56, 157
- comparison with naïve  
randomization, 152–54
- concerns with naïve  
randomization, 151
- contribution of statistical blocking to  
equivalence in, 152–56
- overview, 146, 150–51
- sample size, 143, 154–56
- statistical blocks for  
randomization, 151
- Jersey City Problem-Oriented Policing  
at Violent Crime Hot Spots  
Experiment, 143
- Johnson, Shane D., 66, 74
- Jones, Gregory T., 83
- Journal of Experimental Criminology*, 15–16
- mission statement, 17
  - number of experimental tests of  
theory, 17–18
- Jupp, Victor, 2
- Kansas City Preventive Patrol  
Experiment, 230
- Kelner, Katrina, 52
- Kennedy, David M., 230, 232
- Kirby, A., 56–57
- Knight, B. J., 100
- Kraemer, H. C., 177, 180, 183–84
- laboratory experiments, external  
validity, 23–24
- LaLonde, Robert, 199–200, 218
- Latané, Bibb, 33–34, 96
- LATE (local average treatment  
effect), 214
- Laub, John H., 33
- Laycock, Gloria, 283–84
- Lee, David, 217
- Lerman, Amy E., 214
- Lipsey, M. W., 166–67
- Liu, Jianghong, 49–50, 59
- Liu, Lin, 71, 81, 82
- local average treatment effect  
(LATE), 214
- Loeber, Rolf, 112
- longitudinal-experimental studies,  
111–12. *See also* long-term  
follow-ups
- long-term follow-ups, 6–7, 111–34
- Abecedarian program, 115,  
117, 132–33
  - Cambridge-Somerville Youth Study,  
114, 115, 116, 117, 121–23, 133
  - cost-benefit analyses, 131–33
  - criteria for, 112–13

- long-term follow-ups (*cont.*)
  - cumulative offending
    - measures, 123–26
  - different age-appropriate outcomes, 116–23
  - effect sizes in different age ranges, 126–27
  - experiments fitting criteria, 114–16, 117–18
- Fast Track experiment, 114, 116, 118, 130–31, 133
- Good Behavior Game, 114, 116, 118
- Infant Health and Development Project, 115, 117, 129, 133
- lessons learned from, 133
- methodological issues, 133–34
- Missouri Delinquency Project, 114, 115, 117, 125, 133
- Montreal Longitudinal-Experimental Study, 115, 118, 126, 127, 133
- Nurse-Family Partnership project, 115, 117, 128–29, 133
- Perry Preschool program, 114, 115, 116–21, 123–24, 131–33
- Seattle Social Development Project, 113, 114, 115, 117, 127, 133
- subgroup analyses, 128–31
- Switzerland Sentencing Experiment, 114, 116, 118, 126, 127, 133
- Washington Preschool Program, 115, 117
- lost letter experiments, 1, 100
- Lowell Disorder Policing Hot Spots Experiment, 143
- Ludwig, Jens, 203–07, 210, 214–15, 228, 236–37
- Lum, Cynthia, 21
- MacKenzie, Doris Layton, 167–68
- Macy, Michael W., 75, 83
- magnetic resonance imaging. *See* MRI
- malnutrition, 49–52
  - early, and later crime, 50–52
  - externalizing behavior and, 50
  - maternal, 49–50
- Marie, Olivier, 216
- Marques, Janice K., 113
- Martinson, Robert, x
- Maryland Report, 143–44, 279
- Maryland Scientific Methods Scale, 223–24, 234, 242, 279, 293
- Massachusetts Bartley-Fox gun control law, 227–28
- Masse, Leonard N., 132
- matching, 195, 202, 226–27, 240
- Matza, David, 25–26
- McCleary, Richard, 227–28
- McCord, Joan, 116, 121–23, 278
- McCrary, Justin, 209, 217
- mediation analysis, 292
- Meeker, J. W., 164–65
- Meier, R. F., 95
- Meinert, C. L., 177
- Menino, Thomas M., 239–40
- meta-analysis, 144–45, 165–68
  - difficulties with, 166–68
  - multisite randomized experiments versus, 170–71, 172–73
  - overcoming limitation of single-site studies, 165–68
  - systematic reviews, 256–57
  - using to justify multi-site studies, 173–74, 175
- middle range theory, 81
- Miethe, T. D., 95
- Milgram, Stanley, 100
- Miller, Douglas, 203–07, 210, 214–15
- Miller, John H., 66
- Miller, Marna G., 263
- Minneapolis Domestic Violence Experiment, 164–65, 169, 230, 287–88
- Missouri Delinquency Project
  - features of, 114, 115
  - follow-up information, 117
  - results of, 125, 133
- mixed-methods approach within individual studies, 33–34
- Moffitt, Terrie E., 78
- Montreal Longitudinal-Experimental Study
  - effect sizes in different age ranges, 126
  - features of, 115
  - follow-up information, 118
  - results of, 127, 133
- Moore, Mark H., 279
- Morel, Benjamin, 43
- Morgan, Stephen L., 237
- Moriarty, T., 97
- Moving to Opportunity (MTO) experiment, 19–21, 26–27
- MRI (magnetic resonance imaging)

- brain abnormalities relating to antisocial and psychopathic behavior, 47, 48  
function of, 45
- MST (multisystemic therapy), 181–82
- MTFC (Multidimensional Treatment Foster Care), 269, 270
- MTO (Moving to Opportunity) experiment, 19–21, 26–27
- multicenter randomized trials, 168–69.  
*See also* multisite randomized experiments
- Multidimensional Treatment Foster Care (MTFC), 269, 270
- multisite randomized experiments, 7–8, 163–89  
central data processing unit, 184, 188  
challenges of organization and communication, 183–86  
cross-site differences, 188–89  
defined, 163  
determining if warranted and justified, 173–80  
disadvantages of, 173  
efficacy and effectiveness research, 180–83  
implementation and quality control of, 186–89  
medical and clinical research, 168, 180  
meta-analysis versus, 165–68, 170–71, 172–73  
overview, 168–73  
pooled data, 188–89  
replication studies versus, 169–70  
single-site studies versus, 164–65, 171–72  
staff responsibilities, 183–84, 185  
study protocols, 186
- multisystemic therapy (MST), 181–82
- Mustaine, E. E., 95
- Nagin, Daniel S., 18
- naïve (simple) randomization, 146–49, 152–54, 155, 156
- National Academy of Sciences Panel on Improving Information and Data on Firearms, 237
- National Education Longitudinal Survey (NELS), 203–04, 206
- National Institute for Health and Clinical Excellence (NICE), 259
- National Research Council (NRC), 3, 142, 143
- National Supported Work (NSW) Demonstration, 199–200
- natural experiments, 228
- NELS (National Education Longitudinal Survey), 203–04, 206
- NetLogo computer simulation modeling program, 76
- Neugebauer, Richard, 49–50
- neurocriminology. *See* experimental neurocriminology
- NICE (National Institute for Health and Care Excellence), 259
- nonequivalent group comparison design, 226–27
- nonexperimental studies.  
*See* observational studies
- NRC (National Research Council), 3, 142, 143
- NSW (National Supported Work) Demonstration, 199–200
- Nurse-Family Partnership project features of, 115  
follow-up information, 117  
results of, 128, 133  
subgroup analysis, 128–29
- nutrition, 49–52  
antisocial behavior and, 52–58  
early malnutrition and later crime, 50–52  
externalizing behavior and malnutrition, 50  
maternal malnutrition, 49–50  
omega-3, 53–58
- observational studies (nonexperimental studies), 229, 277–93  
drawing causal inferences, 288–90  
evidence-based crime policy, 278–82  
external validity, 285–87  
external validity and policy relevance, 285–88  
“gold standard” and, 288–91  
innovation, 282–85  
promotion of randomized trials over, 279–82
- Office of Economic Opportunity (OEO), 203–04
- Office of National Drug Control Policy, 178

- Ohlin, Lloyd E., 111
- omega-3 consumption
- antisocial behavior and, 53–55
  - experimental findings, 55–58
- Operation Ceasefire, 230–38, 243–44
- Osgood, D. Wayne, 76
- Page, Scott E., 66
- Papachristos, Andrew V., 238
- Pappadopoulos, Elizabeth, 52–53
- Parisi, Domenico, 75
- parole supervision, 216–17
- partially blocked randomized experiments. *See* block randomization methods
- Patterson, Gerald R., 32
- peer effects
- on delinquency, 75–80
  - on risky decision making, 24, 28–30
- Penner, L. A., 97
- Perry, A. E., 187
- Perry Preschool program
- cost-benefit analysis, 131–33, 272
  - criminal outcomes, 123
  - cumulative offending
  - measures, 123–24
  - deviations from random assignment, 116
  - features of, 115
  - follow-up information, 117
  - IQ and school success, 116–21
  - length of follow-up, 114
  - noncriminal outcomes, 119, 120
- personality disorder, 48–50, 57
- PET (positron emission tomography)
- brain abnormalities relating to murder, 45–46
  - function of, 45
- Petersilia, Joan, 169–70, 172, 188, 242
- Petrosino, Anthony, 257
- physical activity, brain
- development and, 51
- Pickrel, S. G., 181–82
- Piehl, Anne M., 230, 232, 235
- Pierce, Glenn L., 228
- Pinel, Philip, 43
- Piquero, Alex R., 21–22, 69, 290
- place managers, 19
- placebo (falsification) testing, 210–13
- Pogarsky, Greg, 18
- policing
- drug markets and, 74
  - hot spot, 102, 141–45, 238–42
  - problem-oriented, 19, 102, 283
- poor fear conditioning, 46–49
- positron emission tomography. *See* PET
- prefrontal cortex abnormalities, 48
- President's Commission on Law Enforcement and Administration of Justice, 74
- Prest, A. R., 265
- Preventing Crime: What Works, What Doesn't, What's Promising* (Maryland Report), 143–44, 279
- preventive guardianship, 90–91
- ethical issues, 95–96, 102
  - experiments in, 95–96, 100–04
  - finding and controlling motivated offenders in natural settings, 101–02
  - levels of perception of, 101
  - manipulating levels of, 101
  - natural field experiments in, 103
  - phase of, 93
  - relationship to crime, 94
- primary guardianship, 94–95
- prison security levels, 19–20, 216
- problem-oriented policing, 19, 102, 283
- promotion expectations, 24
- propensity score matching, 195, 202, 238, 240, 244
- proxy guardianship, 94–95
- psychopathic behavior
- brain abnormalities relating to, 46, 47
  - early malnutrition and, 50–52
- psychotropics, treatment of aggressive behavior in children, 52–53
- pulling levers hypothesis, 231, 233
- qualitative methods and data
- in combination with experimental methods, 31
  - limitations of, 32
- quasi-experimentation, 8, 223–45
- comfort with, 281–82
  - external validity, 285–87
  - field observations on, 229–42
  - including in meta-analysis, 167
  - internal validity, 228
  - interrupted time series analysis, 227–28

- key benefit of, 2  
 matching strategy, 226–27  
 natural experiments, 228  
 nonexperimental designs versus, 229  
 Operation Ceasefire, 230–38  
 other research methods and, 3  
 overview, 226–28  
 promotion of randomized trials  
     over, 279–82  
 randomized experimental designs  
     versus, 225–26  
 regression discontinuity, 8, 194–219  
 Safe Street Teams, 238–42  
 strengthening weak evaluation  
     designs, 243–44
- Raine, Adrian, 45–46, 47, 48,  
     50–52, 59, 113  
 RAND experimental study, 169–70  
 randomized controlled trials  
     (RCTs), 225–26  
 block randomization methods,  
     7, 141–59  
 criticisms of, 277  
 difficulty of using as proxies  
     for experimental tests of  
     theory, 19–21  
 drawing causal inferences, 288–90  
 effect of nutrition on antisocial  
     behavior, 52–58  
 growing use of and allegiance to, 15–16  
 independent and dependent  
     variables, 225  
 limits of, 229–30  
 long-term follow-ups, 6–7, 111–34  
 multisite randomized experiments,  
     7–8, 163–89  
 as part of triangulation, 30  
 pretesting and posttesting, 225–26  
 promotion of, 280–81  
 “randomista” view of, 194–95  
     as standard, 290  
     treatment and control groups, 225  
 rational choice theory, 18  
     return of overpayment, 25–26  
     translating into experimental tests, 27  
 Rauma, David, 196, 215  
 RCTs. *See* randomized controlled trials  
 RD. *See* regression discontinuity  
 rebellion process (Wilensky), 79  
 Rebello, Cesare J., 24
- regression discontinuity (RD),  
     8, 194–219  
 design-based approaches to, 203–15  
 falsification testing, 210–13  
 generated by age, 217–18  
 generated by program eligibility  
     rules, 215–16  
 generated by risk evaluations, 216–17  
 generated by sentencing  
     guidelines, 217  
 imperfect sorting, 208  
 limits of assuming selection-on-  
     observables, 197–201  
 manipulation, 207–09  
 origin of, 196  
 running variables, 196, 207–09  
 treatment heterogeneity, 213–15  
 replication studies, 165, 169–70, 184–86  
 repressive guardianship, 90–91  
     criticisms of experiments in, 98–99  
     experiments in, 95, 96–99  
     phase of, 93–94  
     relationship to crime, 94  
 “research pluralists”, 194–95  
 return of overpayment, 25–26  
 Reynald, Danielle M., 91–92  
 Reynolds, Arthur J., 113  
 risky decision making  
     age and, 28  
     impact of peers on, 24, 28–30  
 Roëll, G., 98  
 Roman, John K., 74  
 Rosenfeld, Richard, 236  
 Rossi, Peter, x  
 routine activity theory  
     agent based models, 74  
     guardianship and, 91, 92  
     Moving to Opportunity  
         experiment, 20  
         place managers, 19  
         problem-oriented policing, 19  
         translating into experimental tests, 27  
 Rubin causal model, 197–99
- Safe Street Teams (SST), 238–42, 244  
 Sampson, Robert J., 20–21, 30, 33,  
     278–79, 281, 288–90, 293  
 SARP (Spousal Assault Replication  
     Program), 165, 169, 188  
 Sawyer, R. Keith, 75  
 Scared Straight programs, 144

- Schlesinger, Matthew, 75  
 Schoenwald, S. K., 181–82  
 school nutrition programs, 50–52  
 Schwartz, L., 97–98  
 Schwartz, S., 97  
 seafood consumption. *See also* omega-3 consumption  
     maternal, 53–55  
     violent crime and, 53  
 Seattle Social Development Project  
     effect sizes in different age ranges, 127  
     features of, 113, 114, 115  
     follow-up information, 117  
     results of, 127, 133  
 sensitivity analysis, 267–68  
 sentencing policy, 74, 114, 116, 118, 126, 127, 133, 217  
 sex offender treatment, 113  
 Shapiro, Jesse, 216  
 Shaw, Clifford R., 32  
 Sherman, Lawrence W., 1, 17, 164, 165, 180, 254, 279, 283  
 simple (naïve) randomization, 146–49, 152–54, 155, 156  
 simulation modeling, 26  
 Single Photon Emission Computed Tomography (SPECT), 45  
 single-site studies  
     limitations of, 164–65  
     multisite randomized experiments versus, 171–72  
     overcoming limitation using meta-analysis, 165–68  
     using to justify multi-site studies, 173–74, 175  
 Smith, Eliot R., 75  
 Smith, Gordon, ix  
 Smith, James A., 27, 31  
 social bond theory, 21  
 social control theory, 20  
 social disorganization theory, 26  
 social influence hypothesis, 33–34  
 social learning theory  
     agent based models and youth delinquency, 76–79  
     Bobo doll experiment, 26  
     brain abnormalities and antisocial behavior, 48  
     brain abnormalities and psychopathic behavior, 47  
     in combination with qualitative studies, 32  
 Sparrow, Malcolm, 283  
 spatial concentration of crime, 66  
 SPECT (Single Photon Emission Computed Tomography), 45  
 Spousal Assault Replication Program (SARP), 165, 169, 188  
 SST (Safe Street Teams), 238–42, 244  
 stable unit treatment value assumption (SUTVA), 289–90  
 statistical conclusion validity, 2  
 statistical power, 34, 145, 205, 212–13, 244  
 Steinberg, Laurence, 24, 28–30  
 Steinmetz, C. H. D., 98  
 Stockholm Prize in Criminology, 16  
 Stone, Richard, 52  
 Strauss, Anselm L., 31  
 subculture of violence theory, 26  
 suicidal behavior  
     gun control and, 228  
     omega-3 consumption and, 57  
 SUTVA (stable unit treatment value assumption), 289–90  
 Switzerland Sentencing Experiment  
     effect sizes in different age ranges, 126  
     features of, 114, 116  
     follow-up information, 118  
     results of, 127, 133  
 systematic reviews, 9, 255–62  
     defined, 254  
     institutional base for, 258–62  
     key features of, 255–57  
     limitations of, 257, 286–87  
     traditional narrative reviews versus, 257–58  
     vote-counting versus, 258  
 Taber, Charles S., 70  
 Takooshian, H., 98  
 tax evasion, 100  
 Tewksbury, R., 95  
 therapeutic communities (TCs), 175–76  
 Thistlethwaite, Donald L., 196  
 Tilley, Nick, 286  
 Timpone, Richard J., 70  
 traditional narrative reviews, 257–58  
 Travis, Jeremy, 233  
 triangulation  
     defined, 30  
     experimentation as part of, 30–34  
 Turner, Susan, 169–70, 172  
 Turvey, Ralph, 265

INDEX

309

- U.K. Correctional Services Accreditation Panel, 272
- Ulrich, K., 97
- unauthorized cable television use, 18–19
- Van Baal, Pieter, 80
- Van Dijk, Jan J. M., 98
- violent crime
- brain abnormalities relating to, 45–46
  - guardianship research, 95–96
  - omega-3 consumption and, 53
  - poor fear conditioning and, 46–49
  - Safe Street Teams, 238–42, 244
- Visher, Christy A., 177
- Visscher, M., 103
- vocational education programs, 177
- vote-counting, 258
- Warr, Mark, 75–76
- Washington Preschool Program
- features of, 115
  - follow-up information, 117
- Washington State Institute for Public Policy (WSIPP), 268–71
- Webley, P., 102
- weighted average effect, 144–45, 257
- Weimer, David L., 265
- Weisburd, David, 21–22, 69, 143, 187, 232, 244, 277, 280, 290
- Welsh, Brandon C., 111, 112, 143, 145, 280, 281
- Wikström, Per-Olof H., 65, 75
- Wilensky, Uri, 79
- Willer, Robert, 75, 83
- Wilson, David B., 258
- Wilson, James Q., 111
- Winkel, F. W., 99
- Winship, Christopher, 237
- Wong, Vivian C., 218
- work-based (employment-based) programs, 177
- Wright, Bradley, 77
- WSIPP (Washington State Institute for Public Policy), 268–71
- Yang, Sue-Ming, 21
- Yang, Yaling, 46, 47
- Zaalberg, Ap, 58
- Zanarini, Mary C., 57