

Index

- addiction
 drug-taking, 77, 80, 84, 88
 food, 85
 gambling, 85
 sexual addiction, 336
- Adhya, Dwaipayana, xiii, 75, 97
- Adler, Alfred, 299
- adoption, 52, 56, 57, 70, 126, 170, 171, 246, 450, 478, 481, 485, 486, 520
- affinal kinship, 48
- aggregation, 35, 51, 244
- agreeableness, 301, 464, 466
- agriculture, 35, 38, 103, 130, 131, 431, 452, 532
- Alexander, Richard, xix, 45
- alexithymia
 and interoception, 436
 characteristics of, 436
 development of, 437
- altruism. *See also* kin altruism; reciprocal altruism
 problem of, 125
- American Psychiatric Association, 246, 370, 395, 412, 474
- Andrew, Richard, xix
- androgenity, 378, 385
- anger, 81, 82, 88, 124, 143, 144, 145, 163, 179, 185, 189, 191, 317, 322, 325, 327, 335, 395, 398, 401, 421, 436, 484, 525
- anhedonia, 86, 87, 91, 93. *See also* depression
- anthropology, xvii, 23, 35, 36, 47, 48, 61, 69, 124, 162, 195, 197, 203, 241, 409, 416, 449, 451, 489, 490, 491, 493
- antisocial personality disorder, 474
- attachment theory, 409, 411
- atypical neurodevelopment, 97
- authority, 42, 139, 142, 143, 150, 194, 299, 311, 393, 427, 431, 473, 490, 492, 512, 525
- autism spectrum disorder, 117, 405
- Barkow, Jerome, xiii, 35, 450, 462, 507, 522
- Baron-Cohen, Simon, xiii, 75, 97
- Barrett, Deirdre, xiii, 527
- Barrett, Louise, xiii, 124, 194, 451
- Bates, Lucy, xiii, 1, 14, 507
- Bateson, Patrick, xix
- Beall, Alec, 124, 179
- Beck Depression Inventory, 292, 293
- behavioral genetics, 301, 472
- behaviorism, 1, 203, 455, 459
- Belsky, J, 181, 182, 256, 259, 260, 334, 398, 411, 441, 476
- Berridge, Kent, 75, 79, 88, 91, 339
- Betzig, Laura, xiii, 37, 491
- biological evolution, 214, 378, 491, 511
- Bird, Geoffrey, xiii, 393, 436
- birth order
 and evolutionary psychology, 299
 and personality, 299, 301, 308, 309
 and sibling competition, 300
- Bjorklund, David, 251, 253
- black sheep effect, 154, 156
- Boas, Franz, 451
- Boehm, Christopher, 143, 503
- bonobos, 9, 11, 159, 160, 236, 345
- Boone, James, 492, 495
- bottlenose dolphins, 28
- Bowlby, John, xix, 397, 403, 406, 411
- Brewer, Rebecca, xiii, 393, 436
- Brown, Donald, 35, 58, 490
- Brown, William, 276, 551
- Buller, David, 478
- bullying, 252. *See also* cyberbullying
 evolutionary explanations of, 284
- Burch, Rebecca, 312, 378, 548
- Buss, David, 312, 344, 353, 402
- Buunk, Abraham, xiii, 451
- Campbell, Anne, xiii, xix, 311, 313
- Campbell, Donald, xix
- care systems, 398
- Carroll, Jason, xiii, 75, 97
- casual sex, 333, 337, 338, 342, 344, 346, 385, 458, 551
- Chagnon, Napoleon, 489, 500
- challenge hypothesis, 82, 88
- Chance, Michael, 525
- Changeux, Jean-Pierre, 490
- Chapais, Bernard, xiii, 47
- childhood, 100
- chimpanzee, 11, 12, 62, 63, 137, 159, 160, 161, 191, 193, 226, 231, 232, 235, 239, 240, 264, 267, 268, 424
- Chomsky, Noam, 489
- Christianity, 136, 471, 495
- Cinderella syndrome, 477. *See also* infanticide
- clan, 27, 30, 160, 161, 162
- Clasen, Mathias, xiii, 532, 538
- Coe, Kathryn, xiii, 124, 158
- cognition
 in elephants, 14, 15, 19
 in Grey parrots, 3
- cognitive development, 139, 259, 518
- cohesion, 28, 29, 153, 154, 155, 157, 188, 256, 302, 500, 501. *See also* group cohesion
- Colquhoun, Luke, xiii, 123, 125

- comparative method, 1, 48
 Conroy-Beam, Dan, 312, 353
 conscientiousness, 464
 convergent evolution, 11, 37, 237, 511
 cooperative breeders, 37, 44, 46, 126
 Corballis, Michael, xiii, 207, 233
 costly signaling theory, 125, 132
 criminality
 and evolutionary psychology, 471
 and personality disorders, 474
 cultural evolution, 23, 25, 29, 35, 61, 62, 63, 64, 65, 66, 67, 68, 69, 71, 72, 131, 136, 137, 148, 214, 218, 274, 294, 384, 390, 490, 491
 culture, 1, 19, 23, 24, 25, 27, 28, 29, 30, 31, 35, 36, 56, 57, 59, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 73, 126, 130, 131, 139, 142, 155, 167, 171, 175, 185, 187, 188, 194, 195, 197, 200, 202, 203, 211, 215, 216, 219, 221, 234, 237, 255, 257, 258, 259, 260, 261, 270, 271, 272, 273, 277, 280, 333, 343, 349, 367, 380, 381, 384, 385, 386, 398, 399, 400, 401, 404, 405, 416, 451, 456, 458, 464, 474, 490, 493, 495, 507, 508, 509, 510, 512, 515, 540, 555
 and communication, 23
 and evolutionary psychology, 64
 in animals, 23
 cyberbullying, 285, 293, 295, 296, 297
- Daly, Martin, xiii, 450, 478, 481, 497
 Damasio, Antonio, 490
 Damasio's somatic marker hypothesis, 440
 Darwin, Charles, 62, 381, 396, 501
 Origin of Species, xvii, 1, 66, 72, 75, 239, 305, 308, 513, 536
 The Descent of Man, 221, 310, 312, 342, 379, 480, 513
 Darwinian medicine, 455
 Darwinian psychiatry, 393, 399, 409, 410, 411, 412, 414, 415, 416, 417, 455
 Dawkins, Richard, 140, 490
 de Waal, Frans, 489, 493, 496, 499
 deception
 in children, 225
 phylogeny of, 225
 self-deception, 229, 231, 232
 delayed gratification, 3, 7, 10. *See also* marshmallow test
 depression
 evolutionary explanation of, 86
 nature of, 85
 despotism, 45, 350, 491, 504
 development. *See also* evolutionary developmental psychology
 deferred adaptations, 255
 ontogenetic adaptations, 253
 Diamond, Jared, 492
 disgust, 92, 124, 145, 168, 170, 171, 173, 174, 179, 322, 330, 332, 338, 437, 455, 538
 DNA, 66, 99, 103, 104, 105, 107, 108, 109, 110, 111, 276, 277, 278, 280, 281, 282, 314, 415, 426, 494
 dopamine, 79, 83, 85, 86, 87, 93, 331, 335, 338, 425
 dual inheritance theory, 131
 Dunbar, Robin, 503, 519, 525
 Dunbar's number, 153
- economic game theory, 265
 environment of evolutionary adaptiveness (EEA), 402
 epigenetics, 426
 equity, 50, 304, 305, 308
 eugenics, 63, 452
 eusociality, 35, 37, 43, 46, 126, 134, 135, 136, 148
 evolution
 of cooperation, 265
 of language, 68, 72, 207, 208, 209, 218, 233, 234, 238, 387
 of personality, 464
 of pride, 179
 of sex differences, 342, 388
 of shame, 179
 of the human family, 158
 evolutionary developmental psychology, 251, 253
 evolutionary psychopathology, 393
 extended mind hypothesis, 198
 extraterrestrials, 507, 509
 extraversion, 170, 171, 183, 288, 301, 302, 306, 453, 463
- fantasy, 82, 255, 331, 335, 336, 338, 340, 428, 552
 female preference, 29, 212, 213, 554
 femininity, 174, 331, 371, 372, 373, 378, 385
 feminist theory, xvii, 312, 387, 390
 Fernsehen, 526
 Fincher, Corey, 124, 167
 Fisher, Maryanne, 312, 378, 528, 548
 Fisher, R.A., 212
 fitness indicator model, 465
 Fowler, Jo, xiii, 123, 125
 Fox, Robin, 47, 56, 489
 free riders, 520, 525
 Freedman, Daniel, xix
 Freud, Sigmund, 397
 Furnham, Adrian, xiii, 449, 462
- Galton, Francis, 452
 Garcia, Justin, 312, 378
 Garland, Ellen, 1, 23
 Gazzaniga, Michael, 490
 gene-culture coevolution, 23, 28, 29, 61, 63, 65, 131
 general intelligence, 465
 genes
 imprinted genes, 276
 maternal genes, 251, 276, 277, 278, 280, 281, 315
 paternal genes, 251, 276, 277, 280, 281
 genetic determinism, 69, 382
 genetic drift, 30, 66
 genetic mutations, 97, 112, 438
 genocide, 63
 genomic imprinting, 276
 Gilbert, Paul, xiv, 393, 428
 Gómez, Francisco, xiv, 366
 gossip, 64, 80, 132, 235, 295, 317, 318, 515, 517, 519, 520, 521, 522, 523, 524, 525
 Gould, S.J., 69
 grandmother hypothesis, 481
 group cohesion, 153
 group size, 37, 153, 156, 170, 211, 368, 431. *See also* Dunbar's number
 group-splitting hypothesis, 411
 Grüneisen, Sebastian, xiv, 251
- Haidt, J., 150
 Hamilton, William, 123, 300, 489
 Hamilton's rule, 126, 127, 138, 141, 158
 handicap principle, 132, 138, 193, 213
 Hanlon, Gregory, xiv, 450, 489
 Harris, Judith, xix, 467
 Harris, Marvin, 495
 Hauser, M., 151
 Hinde, Robert, xix
 hominin ancestors, 393, 472, 477, 539, 540
 homo sapiens, 502
 homosexuality, 63, 150, 306, 307, 312, 374, 375, 377
 horror fiction
 evolutionary explanation of, 538
 hot hand fallacy, 244

- Hrdy, Sarah Blaffer, 494
 Hughes, Sara, xiv, 123, 150
 human communication, 211, 216, 275
 human foraging, 241
 human mate preferences, 353
 humpback whale, 25, 31, 32, 34
- immune system, 101, 103, 105, 106, 124, 167, 168, 169, 170, 171, 173, 174, 175, 213, 396, 457
 incentive motivation theory, 79, 311
 inclusive fitness theory, 279, 457, 486
 infanticide, 304, 477, 504, 505, 506
 ingroup favoritism, 50, 51
 integration, 167, 199, 204, 220, 223, 337, 353, 355, 356, 357, 358, 359, 364, 380, 381, 384, 386, 387, 388, 427, 433, 443, 454, 455, 509
 intellectual performance, 300, 304
 intergroup competition, 155
 intersexual selection, 364
 intrasexual competition, 255, 256, 348, 350, 364, 379, 389, 420, 513
 introversion, 170, 173
 Ismail the Bloodthirsty, 344, 345, 464
- Jackson, John Hughlings, 393
 jealousy, 348, 350, 351, 352, 459, 494
 Jung, Carl, 397
 justice, 139, 144, 147, 191, 383, 431, 471, 473, 497, 498, 504
- k* selection, 420
 Kahnemann, Daniel, 491
 Kanazawa, Satoshi, xiv, 449, 462
 killer whale, 23, 25, 29, 31, 32, 33
 kin altruism, 35, 49, 50, 51, 123, 132, 374
 Kjeldgaard-Christiansen, Jens, 538
 Konok, Veronika, xiv, 208, 211
 Kotter, ma, xiv
 Kotter, Mark, 75, 97
 Krebs, Dennis, xiv, 123, 139, 150
 Kringelbach, Morten, xiv
 Kringelbach, Morton, 91
- LaFreniere, Peter, 208
 Lewontin, R.C., 66, 69, 70, 71
 life history theory, 158, 253, 256, 279, 409, 415, 458
 long-term mating, 82, 345, 347, 423, 549, 553
 Lorenz, Konrad, 489, 493, 529, 536
- MacLean, Paul, 396, 397, 406
 majority rules fallacy, 349
 male parental investment, 160, 312
 Manning, Aubrey, xix
 marshmallow test, 5
 masculinity, 174, 177, 331, 378, 385, 434, 549, 553
 Massrali, Aicha, xiv, 75, 97
 mating systems, 63
 Maynard-Smith, John, xiv
 MCFC model, 343
 Mead, Margaret, 451
 memes, 142, 214, 215
 Mesoudi, Alex, xiv, 61
 Miklósi, Ádám, xiv, 208, 211
 Miller, Geoffrey, 452
 monogamy, 46, 127, 136, 314, 315, 327, 351, 455, 460
 moral foundations theory, 150
 moral punishments, 154
 moral reasoning, 139, 147, 148, 152, 439
- morality
 evolution of, 140, 150, 473, 480
 Morgan, Eliane, xix
 motivation. *See also* depression
 incentive motivation, 79
 social motivation, 83
 multilevel selection theory, 70, 123
 mutual mate choice, 312, 342, 360, 364
 Myers, Alyson, 251, 253
- narcissism, 288
 Nash, John, 404
 natural selection, 48, 64, 66, 67, 75, 98, 123, 125, 130, 140, 152, 158, 163, 194, 212, 214, 215, 225, 233, 237, 238, 243, 253, 256, 257, 261, 276, 311, 315, 348, 349, 350, 379, 385, 410, 411, 414, 415, 462, 477, 481, 485, 490, 503, 505, 510, 539
 Neanderthal, 410, 411
 Nesse, Randolph, 455
 neuroticism, 302, 372, 377, 453, 463
 niche partitioning, 305
- obsessive–compulsive disorder, 407, 441
 openness to experience, 464
 opportunistic males, 345
 oxytocin, 82, 84, 141, 314, 323, 421, 423, 424, 425, 426, 432
- P factor model, 441
 paedophilia, 332, 335, 338, 471
 Palmer, Craig, xiv, 124, 158
 Panksepp, Jaak, xix, 79, 393, 398
 parasites, 167
 parasite-stress theory, 71, 167, 169, 170, 171, 172, 173, 174, 175, 176, 178
 parasocial interaction theory, 520
 parental antagonism theory, 277
 parent–offspring conflict, 158, 160, 163, 164, 279, 280, 300, 415
 patchy environments, 241
 patrilineal kinship, 48, 483
 patriotism, 141, 515
 Paul, Arkoprovo, xiv, 75, 97
 Pepperberg, Irene, xiv, 3
 Perry, Gretchen, xiv, 450, 481
 personality
 Big Five, 288, 298, 301, 306, 463, 464, 467, 469
 personality disorders, 398, 400, 415, 416, 417, 472, 474, 475, 477
 Petterson, Lanna, xiv, 366
 Piaget, Jean, 517
 Pinker, Steven, 490, 498, 503
 plasticity, 79, 87, 89, 115, 119, 170, 236, 255, 260, 335, 338, 339, 382, 383, 438, 490, 491
 pleasure
 and neuroscience, 91, 95
 polyandry, 64, 71, 73, 389
 polygyny, 35, 45, 64, 312, 314, 345, 350, 365
 pornography, 336
 online pornography, 548
 post-traumatic stress disorder, 398, 447
 Price, Jack, xiv, 75, 97
 prisoner's dilemma, 129, 155, 265
 proximate mechanisms, 53, 64, 133, 147, 244, 413, 454
 psychopathy, 152, 281, 288, 324, 329, 405, 415, 442, 474, 475, 476, 477, 479, 480
 psychosis, 396, 399, 410, 414, 416, 417, 448
 psychosocial acceleration theory, 256
 puberty, 280, 282, 293, 323, 340, 398, 400
- r* selection, 420
 randomness, 244, 245, 246, 247, 248

- rape, 475
Ray, William, 393
Reader, Will, xiv, 123, 150, 419, 449, 462
reciprocal altruism, 63, 124, 125, 128, 131, 137, 138, 142, 144, 145, 149, 157, 160, 161, 164, 279, 423, 472, 491, 510
religion, 47, 59, 71, 156, 176, 309, 470, 493, 503, 508, 509, 522, 534
Rendell, Luke, xiv, 1, 23
reproductive success, 29, 38, 44, 130, 132, 140, 141, 162, 163, 179, 213, 256, 281, 284, 287, 314, 315, 324, 345, 348, 353, 356, 368, 369, 372, 383, 384, 399, 453, 458, 481, 510, 548
reproductive variability, 344, 345, 350
risk-taking, 257, 287, 301, 302, 313, 316, 317, 324, 326, 334, 338, 341, 438, 458, 466
Ross, Eric, 495
runaway selection, 211
- Salmon, Catherine, xiv, 528, 548
savanna principle, 449
Schmitt, David, 345
Schwender, Clemens, xiv, 517
self-control, 5, 82, 139, 143, 144, 189, 322, 442, 454, 464, 498, 505
selfish gene, 148, 232, 351, 483, 486
Semenyna, Scott, xiv, 366
separation distress, 398
sex differences
 in aggression, 295, 317, 325
 in criminality, 475
 in fear, 313
 in jealousy, 350
 in parental investment, 342
sexism, 175, 382, 383, 458
sexual dimorphism, 159, 212, 216, 311, 314, 342, 343, 344, 357, 557
sexual lust, 398
sexual monomorphism, 342
sexual selection, 311
sexual strategies theory, 344
short-term mating, 82, 332, 333, 344, 345, 346, 549, 550, 552, 555, 556
side-taking hypothesis, 156
Smith, Peter, xiv, 251, 284
Smith, Rachelle, xiv, 225
social brain hypothesis, 20, 220, 222
social constructionism, 380, 384
social Darwinism, 452
social media, 208, 219, 220, 383, 534
social risk hypothesis, 403
social universals, 35, 47, 48, 49, 50, 51, 53, 56, 57, 58
species-centrism, 507
Sperber, Dan, 65
sperm whale, 27
Srivastava, Deepak, xiv, 75, 97
Standard Social Science Model (SSSM), 64, 451
Stark, Eloise, xiv, 75, 91
status attainment, 52
sterile castes, 38
Stewart-Williams, Steve, 342
suicide, 66, 68, 72, 126, 132, 137, 151, 285, 298, 500, 523
Sulloway, Frank, 252, 299
Symons, Donald, 345
- Taylor, Sandie, 471
territoriality, 47, 50, 63, 493
theory of mind
 and autism, 405
 and empathy, 17
third-party moral judgment, 150
Thornhill, Randy, 167
Tiger, Lionel, 489, 499
Tinbergen, Niko, 410, 490, 527
tit-for-tat, 130, 248
Toates, Frederick, xiv
Tooby, John, 61, 77, 490, 500
Tracy, Jessica, xiv, 179
trade-offs, 256, 417, 465
triune brain, 396, 407
Trivers, Robert, 123, 125, 127, 311, 342
Trivers-Willard theory, 492
Troisi, Alfonso, xiv, 393, 409
Tversky, Amos, 491
twins
 dizygotic twins, 404, 475
 monozygotic, 287, 404, 406, 468, 475
- ultimate explanation, 133, 456
- VanderLaan, Doug, 312, 366
Vasey, Paul, 312, 366
visual system, 7, 401
- warfare, 63, 68, 128, 132, 160, 173, 255, 280, 454, 499, 500, 527
Wilke, Andreas, xv, 241
Williams, George, 130, 313
Wilson, E. O., 45, 131, 378, 379
Wilson, Margo, xix, 478, 497
Workman, Lance, xv, 123, 125, 419, 449, 462, 471
World Health Organization (WHO), 395, 399
Wright, Robert, 490, 491
Wyman, Emily, xv, 251
Wynne-Edwards, Vero, 130
- xenophobia, 63, 168, 169, 170, 171, 172, 174, 175, 493, 509
- Yanomamo, 153, 156, 500, 504
- Zahavi, Amotz, 132