## INDEX

8o/20 rule, 76, 91

Amaral, Luis, 18
American Idol, 86
Anderson, Chris, 91, 92
Anderson, Walter, 118
Archaeology, 27, 35, 36, 119
Asch, Solomon, 81
Attractiveness, 3-8, 104. See also Mate choice
Australian Aborigines, 103. See also Hunter-gatherers
Axelrod, Robert, 16, 95

Bak, Per, 78, 82
Bear Stearns, 87, 88

Behavior, spread of, 72
Behavioral economics, xi, 22, 115
Berger, Jonah, 58-60
Berry, Jonathan, 72
Bird songs, 103, 104
Boyd, Robert, 45
Brain, mirror neurons in, 29, 30
Brown, Gordon, 90
Buchanan, Mark, 10
Bush, George, 57
Buzzwords, 48-52, 69, 70, 96, 97, 104

Cameron, David, 17, 90
Cascades, 65, 67-86, 102, 122
Chambers, Paul, 67, 68

Chiefdoms, 20
Choice
overload of, 8, 9, 92, 93, 121-124
selectivity of, 57, 64, 93, 100-108, 114-125
Chomsky, Noam, 11, 28
Christakis, Nicholas, 72
Clegg, Nick, 17, 90
Cohen, Michael, 96
Complexity science, 11, 74, 78, 79
Conformity, 2, 81, 98, 99, 108, 119, 122
Cooperation
evolution of, 18, 19
and group selection, 19, 21
Copying, 41-65, 94-109, 118-123
directed, 97-100, 118-121
undirected, 100-105, 121-123
Couzin, Iain, 36
Cowell, Simon, 86
Cramer, Jim, 87, 88
Crow, James, 73
Cultural evolution, 36
Cultural transmission, 63, 64

Darwin, Charles, 56, 73, 88
Dawkins, Richard, 20
Decision making. See also Copying by consumers, 37, 93, 123-124 by copying, 94-109, 118-122 rational cost-benefit, 22, 23, 45, 115, 116
among similar options, 8, 9, 92, 93, 116, 117-124
Diffusion, 41-65, 97-99, 106, 107, 118-121
Dirichlet model, 93
Distributed mind, 27-29
Division of labor, 32
Dodds, Peter, 121, 122
Dog breeds, 106
Dunbar, Robin, 9, 29

Early adopters, 107
Ehrenberg, Andrew, 93
Eldredge, Niles, 78
Elections, 36, 53, 61, 90, 107
Everett, Daniel, 28
Evolution, theory of, 56, 73-75, 79, 80
Evolutionary psychology, xi, 3-11

Facebook, 47, 71
Fairness, norms of, 21, 22
Financial crisis, 75, 87-88
Fitness landscapes, 75, 79, 96
Forest-fire models, 10, 80-82
Fossey, Dian, 25
Fowler, James, 72
Fractals, 33, 83, 84, 124

Games, multiplayer, 16, 22, 89, 90
Game theory, 16-19
Gell-Mann, Murray, 74

Genetic drift, 73-74
Gladwell, Malcolm, x, 72, 96, 118
Goodall, Jane, 26
Google Ngram, 50-51
Google Trends, 55, 56
Gould, Stephen J., 78, 88
Group mentality, 19, 28
Groups, collective intelligence of, 36, 37, 38

Hadza, 21, 22. See also Hunter-gatherers
Health. See also Swine flu
attractiveness and, 5, 7
scares and, 51, 55-57
social aspects of, 3,54
Hedgehog vs. fox strategy, 71
Henrich, Joe, 21, 89
Herds, 53, 54, 65
Holmes, Arthur, 83
Horticulturalists, 22. See also
Machiguenga; Yanomamö
Humphrey, Nicholas, 25, 29
Hunter-gatherers, 20, 21, 28, 32, 38, 103

Iacoboni, Marco, 30
Ideas, spread of, 41-45, 72, 80
Imitation, 30. See also Copying
Innovation, 41-65. See also
Diffusion
Iroquois, 8

Kahnemann, Daniel, 2
Kane, Pat, 15
Kauffman, Stuart, 74-76, 79, 82
Kay, John, 70
Keller, Ed, 72
Keynes, John Maynard, 30
Khan, Genghis, 6, 37
Kimura, Motoo, 73
Kin selection, 19
Kinship
hierarchical nature of, 12, 13, 14, 20
keeping track of, 32,34
Kolbert, Elizabeth, 42
!Kung San, 20

Laland, Kevin, 31, 95
Lamelera, 21, 22
Language
buzzwords in, 48-52, 69 (see also Buzzwords)
evolution of, 34
fashions of, 48-52
hierarchical structure of, 12
recursive nature of, 12,28
Le Mens, Gael, 58-60
Linguistics, 28
Linnaeus, Carl, 32
Long-tail markets, 77, 91, 92, 102, 103

Machiguenga, 22. See also
Horticulturalists

Marketing, 44, 45, 116
Markets, 77, 87-88, 122
Mate choice, 3-8, 104
Matsigenka, 7
Memes, 55-57
Milgram, Stanley, 2, 119
Munros, 63
Music, 121-122

Names, 32, 34, 94
popularity of, 57-62
Neanderthals, 34
Nettle, Daniel, 37
Networks, 33, 71, 72, 81, 82, 86, 108
Newman, Mark, 8 o
Northwestern University Institute
on Complex Systems, 18
Nowak, Martin, 18, 19

Ormerod, Paul, 63, 88

Pareto, Vilfredo, 76. See also 80/20 rule

Perot, Ross, 17
Personality, evolution of, 37
Pinker, Steven, xii, 58
Pirahã, 28
Playboy, 3-8
Pop culture, turnover in, 102
Population size, and behavior, 27-29, 35-39. See also Distributed mind

Powell, Adam, 36
Power-law distributions, 76-80, 102, 103
Predictability, 73, 74, 88
Preferential-attachment models, 103
Presidents, U.S., 17, 57, 62
Primates, 25-26, 29, 30, 32
Prisoner's dilemma, 16
Punctuated equilibrium, 78,79

Random copying. See Copying
Rapoport, Anatol, 17
Rational-choice model, xi, 22, 23, 115, 116
Reciprocity
direct, 19
indirect, 19, 20
Red Queen effect, 75
Rich-get-richer effect, 103
Richerson, Peter, 45
Rizzolatti, Giacomo, 29

Salganik, Matt, 121-122
Samsø, Denmark, 41, 42, 43, 64
Santa Fe Institute, 74
Scale of analysis, xii, 27-29
Schelling, Thomas, 16
Science
evolution of, $83-85$
paradigms of, 83
Self-organized criticality, 78, 79

Shenkar, Oded, 118
Shennan, Stephen, 36
Shepard, Glenn, 6
Slack, Gordy, 30
Sneppen, Kim, 79
Social brain, 26, 29, 35, 36. See
also Distributed mind; Dunbar, Robin; Primates

Social learning
biased form of, $31,36,61,62$, 97-100, 118-121, 125, 126
conformity and, $31,36,81,99$
copying and, $30,31,36,41-65$, 94-109
Sontag, Susan, 1
Soprano, Tony, 58
Stewart, Jon, 87
Stochastic change, 104, 105
Sunstein, Cass, x, 2
Surowiecki, James, 36
Swine flu, 55-57

Tarde, Gabriele, x
Technology, evolution of, 39. See also Diffusion
Thaler, Richard, x, 2
The Apprentice, 90
Theory of mind, 26. See also Social brain
Thomas, Mark, 36
Three-body problem, 89
Tipping points, 72

Tit-for-tat strategy, 17, 19. See also Game theory
Traditions, 63, 64
Trees
and group organization, 32, 33
technological evolution and, 39,
$83,84,85,124$
thinking in terms of, $11,32,33$, 124
Turcotte, Donald, 80
Twitter, 67, 68

Universal moral grammar, theory of, 11, 14
Unpredictability, 89
Upper Paleolithic, 27, 34, 35, 36
Uzzi, Brian, 18
van Valen, Leigh, 75

Waist-to-hip ratio, 7
Wars, 81
Watts, Duncan, 81-83, 86, 121, 122
Wegener, Alfred, 83
When Harry Met Sally, ix
Whiten, Andrew, 26
Wilde, Oscar, 95
Wisdom of crowds, $36,37,38,125$.
See also Groups; Surowiecki, James
Wright, Sewall, 75
Writing, 36

## INDEX

X Factor, 86

Yanomamö, 8, 34. See also
Horticulturalists
Yu, Douglas, 6

Zimbardo, Philip, 2

