

# Contents

Preface	6
Introduction	7
Chapter 1 Mind	10
Chapter 2 Knowledge	32
Chapter 3 Language and Logic	57
Chapter 4 Science	86
Chapter 5 Morality	117
Chapter 6 Politics	146
Chapter 7 Law	180
Chapter 8 Philosophy	200
Sources and acknowledgments	221
Glossary	224
Further reading	233
Index	237

# Index

- a posteriori* propositions 176  
*a priori* propositions 76, 119, 134, 219  
absolutism, moral 138, 144, 145; versus consequentialism 140-41  
accidental generalizations 115  
accommodative cultures 202  
action-guiding beliefs 122, 124, 126-28, 132, 145  
adjudication, rules of 189-90  
adversarial cultures 202, 208  
ampliative inference 109  
analytic truth 76, 108  
anarchism 148, 175, 176, 180  
*Anarchy, State and Utopia* (Nozick) 155, 165, 171, 174-79, 185, 195  
Anscombe, Elizabeth 124  
antecedent (of conditional) 80  
antecedent conditions (in DN explanation) 99-101  
anthropology 201, 202, 203, 211  
anti-thesis 220  
Aquinas, Thomas 182, 183, 184, 199  
argument 77  
Aristotle 35, 73, 76, 149, 183  
assertion 83, 124  
astrology 8, 86, 103, 113  
Attila the Hun 133-34, 135, 136-37  
attitudes 124, 128-31, 135-38, 141, 145  
Austin, John 182, 184, 190  
axioms 45  
Azande, the 203-07, 208-11, 212-15, 216-17  
banditry 147, 184  
bargaining 165-68  
"beetle in the box" analogy 61  
behaviorism 11, 12, 17, 18, 22, 25, 28, 49, 60, 87, 139, 220  
Bentham, Jeremy 138-39, 191-94, 196, 197  
biology 9, 57, 88, 94  
Block, Ned 27  
brain 10, 11, 15, 16, 24, 32, 33, 37, 45-47, 49, 50, 55, 56  
brain transplants 32-33, 37, 38, 44, 45, 46-47, 50, 55-56  
Bucephalus 63, 64, 73, 74  
Cartesianism see Descartes, René  
causal theories of knowledge 50-56, 84, 125  
causation 15-17, 31, 113, 115-16  
cells 57, 88, 89, 91, 92, 100, 101  
certainty 36, 41, 46, 55, 76  
chimpanzees 57-58, 60, 83, 84  
circumstances of ascription 49  
civil disobedience 180-82  
cognitivism 124, 125  
common good 182, 184, 185, 190, 192, 198, 199  
common sense 10, 11, 94  
commonwealth 151, 172, 176  
communication 58-60, 77, 85, 123, 208, 210  
competition 148, 156, 175  
complementarity thesis 65-68, 70  
computer science 87, 159  
computers 10-12, 17, 22-24, 26, 29, 32, 33, 55, 57, 58, 87, 97, 159  
con-attitude 136  
*Concept of Mind. The* (Ryle) 17-18  
conceptual scheme 211-16  
conclusion 77  
conditional 80; contrary-to-fact 114-15  
confirmation theory 113  
conjecture 111, 112  
conjunct 130  
conjunction 80, 92, 99, 122  
connectives 80, 82, 96  
consciousness 11, 12, 14, 29, 30, 32, 46, 60, 219  
consequent (of conditional) 80, 126  
consequentialism 138, 140-45, 199  
consistent empiricism 47  
context-dependence 210  
contingent truth 42, 74-76, 134  
copula 121  
co-referentiality 67  
correctness, criterion of 18-20, 22  
correspondence rules 96-98, 100  
counterfactual 114-15  
courts 146, 147, 181, 184, 187-91, 198, 199, 203  
covenants 151-55, 161-64  
*Critique of Judgment* (Kant) 123  
*Critique of Practical Reason* (Kant) 123  
*Critique of Pure Reason* (Kant) 123  
Darwin, Charles 57  
Davis, Morton 158  
deception 32, 34, 37, 39, 47, 131  
deductive closure principle 39, 40, 50, 52  
deductive-nomological (DN) model 98, 100, 101, 106, 112  
defeasibility 36, 40, 44-47, 51, 105  
demarcation problem 87, 88, 106, 107, 112, 113  
Descartes, René (and Cartesianism) 8, 13-18, 19, 22, 25, 28, 29, 33, 36, 37-42, 43, 45, 46, 47, 49, 50, 52, 54, 56, 59, 60, 62, 84, 202, 219-20  
designation 61  
determinism 116  
deterrence theory 191-96, 199  
diachronic approach 88  
difference principle 166, 168, 176  
*Discourse on Method*. *The* (Descartes) 13-14, 33  
discovery, context of 88, 94, 107, 113  
disjunction 80  
distributive justice 174, 177  
disutility 192-95  
divine benevolence 39, 40  
DN model see deductive-nomological model  
dolphins, language of 58, 83  
Doulian system 183-86, 187, 190  
dualism 14-17  
economics 139, 140, 155, 165, 218  
emotivism 121, 124, 128, 129, 130, 131, 135, 136, 145, 220  
empiricism 42, 44, 45, 47, 50, 56, 95-97, 102, 105, 112  
*Enquiry Concerning Human Understanding* (Hume) 107-08, 109  
envy 166-69, 171  
epistemic logic 82  
epistemology 7, 12, 32-56, 82, 86, 87, 94, 95, 97, 102, 109, 114, 115, 119, 121, 124-28, 145, 201, 208, 217-19  
equilibrium, reflective 172, 219  
equilibrium strategy 157, 158  
*Essay Concerning Human Understanding* (Locke) 42-47, 50, 51, 54, 55, 56  
ethics 118, 119, 121, 125, 138, 140, 145, 199, 201, 217  
euthanasia 143

- evaluation 198  
 Evans-Pritchard, Sir Edward 203-07, 210, 214, 216  
 evening star *see* morning star  
 evil demon, Descartes's 37, 38, 40, 45, 46, 49  
 experience 12, 15, 18-21, 29, 32, 33, 36, 37, 39, 42-47, 49, 50, 54, 55, 56, 60, 61-63, 76, 93, 95, 97, 104, 105, 108, 110, 112, 118, 119, 126, 127, 136, 200, 208, 210, 211, 218-20  
 experiments 57, 58, 88, 90-92, 98, 107, 111-13, 118, 119, 159, 206, 208, 218; "crucial" 101, 112  
*explanandum; explanans* 98-100  
 extension 68, 69, 71, 73, 74, 83, 121, 122, 125  
 extensional context 71  
  
 fallibilism 46, 112, 192, 203, 215, 220  
 falsificationism 112  
 fanatics 136  
 first-order moral questions 119, 145  
 folk-philosophy 200, 201, 207, 217  
 form 77  
 formal philosophy 200-04, 207, 210, 211, 216-18  
 formal truth *see* logical truth  
 formal validity 77, 78  
 foundational beliefs 44, 54, 95  
 foundationalist epistemology 44, 45, 95, 115  
 Frege, Gottlob 59, 62-72, 73, 75, 76, 77, 83, 84, 92, 104, 115, 212-13  
 functional role 23, 25, 26, 28, 49  
 functionalism 22-31, 48, 49, 56, 60, 69, 84, 87, 92, 122, 139, 140, 214, 215, 220  
  
 game theory 154-61, 168-71, 173, 178  
 generalization 69, 77-79, 80, 99, 100, 107-09, 110, 112, 113-15, 133, 210  
 genes: dominant 89-91, 97, 100; recessive 90-92, 97  
 genetics 211, 212; *see also* Mendel  
 Gettier, Edmund 50-51, 54, 218  
 Glover, Jonathan 142-43  
 goals 148, 165, 166, 170, 172, 177-79, 195  
 God 37, 39-41, 72, 120, 150, 201, 202, 216, 217  
 Golden Rule, the 135, 136  
 Goldman, Alvin 53, 54, 55  
 Goodman, Nelson 109-10  
  
 goodness, Moore on 125-28  
 "grammar" (Wittgenstein) 61, 62  
 grammar, traditional 68  
 Grice, H. P. 83-84  
*Groundwork of the Metaphysic of Morals* (Kant) 123, 132-35  
 grue (invented predicate) 109-10  
 guilt 36-37, 141, 193-95  
  
 Hanson, Russ 103-04, 105-06  
 Hare, R. M. 135-36, 137, 138, 141-42  
 Hart, Herbert L. A. 187-90  
 hedonism 125, 126, 139  
 Hegel, Georg Wilhelm Friedrich 220  
 Hempel, Carl 98-100, 102  
 Hitler, Adolf 134, 135-36, 137  
 Hobbes, Thomas 18, 19, 20-21, 59-61, 62, 63, 84, 148-55, 161, 162-64, 165, 171, 172, 175, 179, 180, 182, 184, 199  
 Honderich, Ted 193  
 Horton, Robin 202  
 human nature 120, 148, 149, 200  
 Hume, David 107-08, 109, 113, 114, 120-21  
  
 idealism 103  
 identity, necessity of 75  
 illusions 12, 33, 46, 50, 55, 105  
 imperatives: categorical 122, 129, 132, 135; hypothetical 122, 123, 128  
 indefeasibility 36-42, 45, 47, 51, 54, 55  
 indexical 209, 210  
 indubitability 37, 38, 41  
 induction 106-14, 120; enumerative 107-10; Hume on 107-08; new riddle of 109, 110  
 inductivism 107  
 inequality 165, 166, 168, 178  
 inequality surplus 166, 167  
 infinite regress argument 21  
 informal thought 201, 203, 210  
 "inner life" 12, 29, 30  
 innocence 8, 34, 36-37, 117-21, 133-35, 144, 178, 192-95, 203  
 input 17, 23-26, 28, 215  
 institutional laws 187, 190  
 instrumentalism 102-04  
 intension 68, 71, 74, 75, 83  
 intensional context 71, 73  
 intensionality 70  
 interactionism 16  
 interpersonal comparison of utility 140  
 intuition 108, 125-27, 141, 142, 172, 173, 219  
  
 intuitionism 124-27  
 "is"- "ought" question 121, 126, 137  
  
 jurisdiction 187  
 jurisprudence, analytic 182  
 justice: distributive 174, 177; end-result principles of 174;  
 historical principles of 174, 176, 195  
 justification, context of 88, 94, 107, 113  
 justification condition for knowledge 35-38, 40-42, 47, 50, 52; nature of the 44; objective theory of 54, 55; phenomenological theory of 54, 55; principle of deduction for (PDJ) 40, 46, 50-53  
  
 Kant, Immanuel 76, 122, 123, 129, 132-35, 143, 166, 192-93, 194, 199, 202, 214  
 killing 8, 117-20, 121, 124, 133-35, 142-44  
 knowledge 13, 25, 31, 32-47, 49, 75, 85, 87, 95, 96, 104, 106, 112, 115, 124, 148, 150, 165, 166, 170, 172, 200, 201, 208-10, 215, 216; causal theories of 50-56, 84, 125  
  
 labour, division of 216, 219  
 language: artificial 77, 78, 80; and conceptual scheme 212-16; conventions of 83, 146; and literacy 207-10; natural 76-78; observation 96, 98, 100, 102, 103, 105; philosophy of 9, 57-85, 86, 87, 218, 219; private 18, 22, 25, 48, 60, 61, 103, 105, 115; theoretical 96, 105; theory-ladenness of 103-06  
 language-game 18, 61  
 law: enforcement of 176, 185, 190, 191, 197, 198; institutional 187, 190; moral 150; Natural (legal) 182-85, 196-99; natural (scientific) 82, 86, 113-16, 150, 175; philosophy of 145, 179, 180-99, 201; of state 9, 34, 146, 147, 164, 180-99, 201; universal (Kant) 132-34  
 legal positivism 182, 184, 187, 190, 196-99  
 legal system 179, 185-91, 196, 198; systematic character of 182, 186, 187  
 Leibnitz, Gottfried Wilhelm 72, 74, 75  
*Leviathan* (Hobbes) 148, 149  
 liberty, priority of 173, 174

- linguistic turn 59  
 linguistics 87, 218  
 literacy 201, 207-10, 216-18, 220  
 literature 220  
 Locke, John 42-47, 50, 51, 54, 55, 56, 175  
 logic 9, 57, 76-78, 80-85, 87, 99, 106, 111, 115, 119, 121, 155, 217  
*Logic of Scientific Discovery, The* (Popper) 111  
 logical constants 82  
 logical positivism 88, 94, 96, 98, 102  
 logical properties 82  
 logical truth 81, 82, 108  
 lotteries 174  
 M (robot) 11, 12, 15, 29-31, 33, 219  
 MacIntyre, Alasdair 127-28  
 mathematics 13, 43-45, 52, 55, 63, 65, 87, 155, 158, 159  
 matrix 155, 156, 158-60, 162, 163, 167  
 maxim (of an action) 132-35  
 maximin strategy 158, 169  
 Maxwell, Grover 103  
*mbisimo* 213-15  
 Mbuti pygmies 146-47, 151, 153, 154, 172, 187, 188, 189, 201-03  
 meaning 19, 48, 57-85, 95, 105, 106, 121, 125, 196-98, 211-15; theory of 63, 66, 67, 72, 74, 84, 92, 115, 213, 218  
 meaning-variance hypothesis 105-06  
 medicine 177, 203, 210  
*Meditations* (Descartes) 8, 13  
 Mendel, Gregor: genetic theory 88-93, 94, 95, 98, 99, 100-02, 106, 107, 112, 114, 118  
 mentalism 10, 11  
 meta-ethics 119, 121, 138, 140, 145  
 meta-philosophy 216  
 metaphysics 217  
 meteorology 212  
 methodology 88  
 Mill, James 138-39  
 mind: philosophy of 8, 9, 10-31, 59, 62, 82, 87, 201, 218-20  
 mind-body problem 15, 16, 22  
 minimal state 176-78  
 minimax strategy see maximin strategy  
 modal logic 82, 99  
 mode of presentation 66-68, 71, 92; *see also* sense  
*modus ponens* 80  
 monarchs 146, 147, 150, 152, 189  
 monism 17, 24  
 Moore, G. E. 41, 42, 125-28  
 Moral absolutism *see* absolutism  
 moral content question 121, 124  
 moral epistemology 121, 124-26, 128, 145  
 moral intuition 125-27, 172, 173  
 moral law 150  
 moral philosophy 132, 133, 220  
 moral realism 122-25, 145  
 moral relativism 128-31, 135-37, 145, 204, 212  
 morality 8, 9, 117-45  
 morning star 64-67, 70-71, 74-75, 76, 82, 92  
 myth of the given 104, 105, 115  
 n-person games 160  
 natural property 126  
 natural sciences 109, 115, 217  
 natural scientific law 82, 86, 113-16, 150, 175  
 naturalism 56, 84  
 naturalistic fallacy 126  
 necessary truth 38, 114  
 necessity 72, 75, 82, 114  
 negation 80, 82, 130  
 negative rights 144  
 Newton, Sir Isaac 44, 109, 218  
 Nim Chimpsky 57-58, 83, 84  
 non-cognitivism 124, 125  
 non-natural properties 126  
 novels 220  
 Nozick, Robert 155, 165, 171, 174-78, 179, 185, 195  
 offspring 89, 90, 98-101, 112, 114  
*Open Society and its Enemies*, The (Popper) 111  
 oracles 203, 205-07, 209, 216  
 ordered pair 69  
 organisms 9, 89-93, 97, 101  
*Origin of Species*, The (Darwin) 57  
 original position 165, 168, 170-72  
 ostensive definition 19, 20, 93  
 other-minds problem 14, 15, 17, 22, 24, 25, 60, 62, 139  
 "ought" 121-23, 126, 128, 137  
 output 23-26, 28, 215  
 pain 22, 26-28, 61, 62, 93, 118, 119, 126, 143, 167, 204  
*Passions of the Soul*, The (Descartes) 13  
 pay-offs 155-60, 167, 168, 169  
 PDJ *see* principle of deduction for justification  
 perception 25, 43, 126-28, 205, 218  
 phenomenology 12, 29-31, 54-56, 125  
 phenomenon 61, 95, 100, 102  
*Philosophical Investigations* (Wittgenstein) 18, 21, 59, 61  
 philosophical psychology 12, 33, 49, 86  
 philosophical semantics 63, 67, 121  
 philosophy 7-9; systematic character of 18, 203, 206-08, 211, 216-20  
 physics 7, 9, 44, 94, 125, 216-19  
 pineal gland 15  
 Plato 8, 19, 33-34, 35-36, 202, 207, 208  
 policing 141, 147, 151, 160, 183, 184, 189, 194  
 political authority 147-52, 164, 175, 176, 179, 182, 184, 185, 190  
 political philosophy 145, 146, 147, 160, 164, 174, 179, 199, 201  
 Popper, Karl 87, 111-13, 118  
 positive rights 144  
 positivism: legal 182, 184, 187, 190, 196-99; logical 88, 94, 96, 98, 102  
 possible world *see* worlds  
 possible-world semantics 73, 81-84  
 power 103, 113, 127, 147, 149-53, 179, 181-85, 187, 199  
 predicate 67, 68, 71, 73, 74, 77, 79-82, 93, 109-11, 121, 125  
 predicate logic 80-82, 111  
 premise 77  
 prescriptive claims 87  
 prescriptivism 83, 137, 138, 145, 220  
*Principia* (Newton) 218  
*Principia Ethica* (Moore) 125-28  
 principle of deduction for justification (PDJ) 40, 46, 50-53  
 prisoners' dilemma 160-62  
 private language argument 18, 22, 25, 48, 60, 61, 103, 105, 115  
 pro-attitude 131, 137  
 programs, computer 11, 22, 24, 26  
 promises 120, 127, 132-34, 150, 153, 164, 171, 187  
 proposition 37, 66, 71, 107, 114, 117, 120  
 propositional attitudes 71  
 propositional logic 80, 82, 99  
 propositional variables 77, 79, 80, 82  
 protective associations 176  
 proverbs 202, 209, 210  
*Province of Jurisprudence Determined ...* (Austin) 182, 184  
 prudence 150, 152, 154, 163, 181  
 prudentialism 152, 154, 164, 165  
 psychologism 65  
 psychology 12, 17, 24, 33, 44, 49, 62, 86  
 psycho-physical parallelism 16  
 publicity 17, 18, 22, 28, 48, 59-62, 82, 105, 180, 194

- punishment 174, 180, 186, 191-98  
 Putnam, Hilary 96, 216
- quantifiers 69, 70, 80, 81, 96  
 Quantum theory 7, 116, 219
- Ramsey-sentences 28, 69, 70, 81, 92, 93, 95, 105, 115, 215  
 rationalism 41, 42, 45, 51, 56, 76  
 Rawls, John 160, 164-66, 168-74, 185, 219  
 realism 98, 102, 103, 121, 220; moral 122-25, 145  
 reality 7, 17, 39, 48, 57, 59, 95, 116, 215  
 received view of theories 95, 96, 98, 101  
 recombination 91, 92, 99, 101, 106  
*reductio (ad absurdum)* 41, 48, 64, 66, 74, 75, 81, 103, 106, 138  
 reference (Fregean) 62-74, 83, 121, 122  
 refutation 111  
*Regulae* see *Rules for the Direction of the Mind*  
 relative positions 166, 170, 172  
 relativism: cognitive 204, 210-14; moral 128-31, 135-37, 145, 204, 212; strong 212, 213; weak 212-14, 220  
 relativity, theory of 219  
 religion 146, 200, 201, 216-20  
*Republic, The* (Plato) 35  
 retributivism 192-98  
 rights 143-45, 153, 166, 173-78, 180-82  
 robots 10, 11, 33  
 Rorty, Richard 59  
 rule-following 18-22, 48, 134, 135  
 rules, Hart's 187-90  
*Rules for the Direction of the Mind (Regulae)* (Descartes) 13  
 Ryle, Gilbert 17-18
- satisfaction 68-70  
 scarcity 148, 171  
 Schlick, Moritz 47, 48  
 Schrodinger, Erwin 7  
 science 9-12, 32, 33, 44, 57, 72, 85, 86-116, 119, 155, 159, 200, 201, 203, 206, 216-20  
 science fiction 10-12, 32, 33, 220  
 scientific theories 86-88, 92, 95-98, 102, 107, 112, 113, 139  
*Second Treatise on Government* (Locke) 175  
 self-interest 152, 154, 164-66  
 Sellars, Wilfred 104  
 semantic theory 63, 77, 83, 85  
 semantics 63, 67, 73, 81-84, 121, 217, 218
- sensation 19, 20, 25, 31, 42, 43, 44, 50, 92-97, 104, 105, 125, 127  
 sense (Fregean) 62-76, 82-85, 121-22  
 sentences: declarative 47-49, 66, 77, 83; mixed 96; open 68-71, 78-79, 92; primacy of the 64-66, 83, 84, 104; sentence-forming operator on 80; verifiable 47; see also Ramsey-sentences
- sentential attitudes 71  
 sentential logic 80, 82, 99  
 sentential variables 77, 79, 80, 82  
 side-constraints 177, 178  
 skepticism 38, 40-42, 45-47, 49, 50, 56, 62, 87  
 sociology 87, 147, 218  
 Socrates 33-35, 86, 207  
 soundness 81  
 sovereign 151-55, 163, 164, 172, 179, 182  
 Soyinka, Wole 202  
 space and matter 14-17  
 speech-acts 83, 124  
 state of nature 148, 150-55, 161-65, 168, 171, 172, 175, 176, 179, 184  
 stateless society 149  
 Stevenson, C. L. 129-32  
 subject (of sentence) 68, 73, 76  
 subjectivity 62, 63, 66, 137, 145  
*Summa Theologiae* (Aquinas) 183  
 supervenience 137  
*Symposium* (Plato) 8, 35  
 synchronic approach 88  
 syntax 77, 79, 81  
 synthesis 220  
 synthetic truth 74, 76, 134
- tautology 107, 108  
 terrorism 117  
 Thalberg, Irving 40  
*Theaetetus* (Plato) 8, 33-34, 35-36, 56  
 theology 182-83, 216-19  
 theoretical postulates 96-98  
 theoretical terms 93-96, 104, 106, 115  
 theory-ladenness 103-07, 206  
*Theory of Justice, A* (Rawls) 160, 164-66, 168-74, 185, 219  
 theory reduction 101  
 thermostats 22-23, 24, 26  
 thesis 220  
 Thomson, Judith Jarvis 178  
*Timaeus* (Plato) 35  
 tradition, authority of 202, 203  
 traditional thought 201-07, 217, 220  
*Treatise of Human Nature, A* (Hume) 120-21
- truth: analytic 76, 108; contingent 42, 74-76, 134; logical 81, 82, 108; necessary 38, 114; synthetic 74, 76, 134  
 truth conditions 67, 72, 83, 84, 121, 123, 124  
 truth value 67, 68, 70-73  
 "twinges" 19-21, 61, 87  
 two-person games 160, 170  
 tyranny 153, 172
- unanalyzable property 125  
 underdetermination of empirical theory 105, 203, 206  
 understanding 10-11  
 Unger, Peter 52  
 uniformity of nature 108, 109  
 universalizability principle (Kant) 132-36, 138, 140, 143, 166  
 utilitarianism 138-44, 168, 170, 173, 191-93, 196  
 utility 138-40, 143, 144, 159, 160, 168-70, 173, 192, 193-95, 197, 219
- valid forms 77, 81  
 validity: deductive 59, 77-82; inductive 106-10  
 values 67, 83, 119, 122, 126, 132, 155, 158, 159, 200  
 variables 28, 69, 78-82, 92, 93, 97  
 veil of ignorance 165, 166, 168, 171, 172  
 Venus see morning star  
 verifiability 47  
 verificationism 25, 30, 47-50, 61, 103  
 victimization 193, 195, 197, 198  
 Vienna Circle, the 48, 111
- warfare 144, 165, 174, 205  
 Weber, Max 147  
 witchcraft 202-07, 209, 216  
*Witchcraft, Oracles and Magic Among the Azande* (Evans-Pritchard) 203-07, 210, 214, 216  
 Wittgenstein, Ludwig 18-22, 25, 48, 59-62, 84, 87, 93, 103  
 Wolff, Robert Paul 166, 167  
*World, The* (Descartes) 13  
 worlds: actual 72, 73, 74, 114, 127; external 23, 41; nomically possible 114, 115; possible 72-75, 81-84, 108, 109, 114, 115, 127, 133, 172, 196  
 writing 201, 207-10, 216-18, 220
- Zande see Azande, the  
 zero-sum games 154, 156-61, 165, 166, 168-70