

Index



- a priori* probability, 35
 accommodation of data, 3, 8–9, 93,
 101–9, 132
ad hoc hypotheses, 7, 93, 98–101
 Alexander, H. G., 52
 audacity, 83
 axioms of probability, 16
 Ayer, A. J., 114
- Bayesianism, basic elements, 11–14, 18–30,
 48–9
 belief, *see* degrees of belief
 Black, M., 48–9, 133
- ct*, 77–80, 85–6
 Carnap, R., 34–9, 72–4, 77, 122–4, 133
c-function, 34–6, 69–75
 Popper's criticism, 121–4
 Putnam's criticism, 127–9
 coherence, 20–5, 30–3, 71, 84
 conditionalisation, 28–30
 confirmation
 explication, 48–9
 raven paradox, 4–5, 51–9
 consequence condition, 58–9, 67
 corroboration, 122
- De Finetti, B., ix, 20, 25, 89
 degrees of belief, 18–30
 desirability, 21–5
 diverse evidence, *see* varied data
 Dutch book, 18, 20–5
- empirical interpretation of probability,
 40–7
 epistemic interpretation of probability, *see*
 rationalist interpretation of probability
 equivalence condition, 51
 evidence, 36–9
 old evidence, 48–50
 expected value, 77
- Friedman, M., 76
 frequency interpretation of probability,
 41–3
 further data, 9, 119
- Giere, R. N., 133
 Glymour, C., 48, 129–31, 133
 Good, I. J., 52, 117–18, 133
 Goodman, N., 5, 74, 133
 grue, 5–7, 63–7, 70, 74
- Hacking, I., xi, 133
 Hempel, C. G., xi, 10, 98–100, 112, 133
 Hosiasson-Lindenbaum, J., xi, 52, 133
 Hume, D., 68
 hypothetico-deductive model, 10–11,
 129–30
- immodesty, 81–3
 indifference principles, 16
 induction
 conditions of rationality, 75–84
 justification, 84–92
 nature of, 69–74
 instrumentalism, 10, 124–7
- Jeffrey, R. C., 36, 73, 89, 133–4
 justification of induction
 adequacy conditions, 75–84
 deductive strategy, 77–80, 85
 inductive strategy, 86–9
 semantic strategy, 90–2
- Keynes, J. M., 20
 Kuhn, T. S., 38, 134
 Kyburg, H. E., xi, 133
- Lewis, D., 81, 83, 134
 logical interpretation of probability,
 34–8
 lottery paradox, 20

136

Mackie, J. L., 52–7, 134

Mellor, D. H., 134

Morgenstern, O., 134

Nicod's criterion, 51–2, 58

Peirce, C. S., 125

philosophical method, 1–3

Popper, K. R., 121–4, 134

prediction, 9, 93, 101–9

probability

axioms, 16

conditional, 28–30

empirical, 40–7

frequency, 40–2

logical, 34–9

primitive, 15–18

propensity, 42–6

rationalist, 30–3

subjective, 18–30

projectibility, 5–7, 59,
65–7Putnam, H., 38, 121, 127–9,
134

Ramsey, F. R., 20–1, 134

randomness, 41

rational belief, 69–75

raven paradox, 4–5, 51–9

realism, 10, 124–7

risk aversion, 24

Rosenkrantz, R., 117

Russell, B., 59, 63, 74, 134

scientific method, 3–10

severe tests, 3, 93, 97–8

simplicity, 5–7

Skyrms, B., 76, 134

Spielman, S., 83, 134

statistical evidence, 3, 44–6

Strawson, P. F., 90, 134

subjectivism, 17–30

subsumption, *see* accommodation

Suppes, P., 52, 134

surprising data, 4, 93–7

swamping of priors, 31–3

Swinburne, R. G., 58, 133

Tarski, A., 125

tests

of empirical probability hypotheses, 42–6

severity, 4, 93, 97–8

total evidence, 9, 114–15

truth, 125

utility, *see* desirabilityvalue, *see* desirability

varied data, 8, 110–13

Von Neumann, J., 20, 134

Wittgenstein, L., 2, 77