

Index

- abstraction
 Croce 73–75, 91
 idealisation 91–92, 94–96
 Vailati 60
- action, theory of 9–12, 143
 marginal rate of substitution 48–49
 see also non-logical actions
- Allen, R. vii, viii, xix, 48, 111, 124–25,
 126, 127, 136
- Alphabet of Political Economy*
 (Wicksteed) 117, 120
- altruism 118–19, 123
- Amato Pojero, G. 51
- Amendola, G. 55, 56
- Amoroso, L. viii, 32, 104, 122
- analysis and synthesis, method of 91–97,
 131–32, 138, 139
 Historical School 98–99
 Wicksteed 120
- Anselm, St. 70
- ‘anti-economical’ 4
- Antonelli, G.B. 25
- Aqueci, F. 32, 42
- Aquinas, T. 41
- Aristotle 41, 43, 51, 70
- Aron, R. 30, 32
- Asso, P.F. 29, 104
- Ayer, A.J. 79
- Bacharach, M. 141
- Barker, E. 68
- Barone, E. viii, 32, 121
- Battallio, R. 66
- Beccaria, C. 13
- Becker, G. 142
- behaviourism viii, 88–89
- Bellanca, N. 29, 55, 56
- Bentham, J. 22
- Bernardelli, H. 127–28, 135
- Bernoulli, D. 31, 85–86
- Bertrand, J. 83
- Bobbio, N. x, 11, 15, 16, 30, 32, 56, 57,
 78
- Böhm Bawerk, E. 10
- Boland, L.A. 84
- Boudon, R. 31
- Bouvier, A. 31
- Brancaforte, A. 35, 51
- Brentano, F. 37, 55
- Briganti, F. 6, 29
- Bruce, B. 121
- Bruni, L. x, 29, 31, 100, 121, 122, 125,
 137, 144
- Burke, E. 16
- Busino, G. 56, 78, 87, 122
- Buttemayer, W. 56
- Cairnes, J.E. 84, 92, 100
- Calderoni, M. 36, 37–38, 50–51, 55, 56,
 57, 59
- Cambridge School 106, 117
- Cannan, E. 104
- Cappa, A. 8
- cardinalism vii, viii, ix, 96–97
 ‘order of preferences’ (Wicksteed)
 120
 in Pareto 126–27, 128, 135–36
 in pure economics 132–35
 see also ordinalism, transition to
- Cardini, F. 78
- Carlson, J.C. 33
- Cartwright, N. 91–92, 95, 101, 142–43
- Chazel, F. x
- Chipman, J. 24, 33, 109, 128
- Chisholm, R.M. 56
- choice, theory of
 Calderoni 59
 Pareto vii, ix, x, 24, 134, 137, 143
 behaviourist movement 88
 birth of 8
 creation of 20
 curve of preference 111

- Edgeworth's reformulation of
 110–11
- empiricism 70
- indifference curves 111, 112
- ophelimity 12, 30
- Vailati's criticism 54
 see also rational choice theory
- Collected Writings* (Vailati) 55, 57
- collective *versus* private use of wealth
 114
- Collectivist Economic Planning viii
- Comment se Pose le Problème de l'Economie Pure* (Pareto) 16,
 20–22, 64, 135
- Common Sense of Political Economy*
 (Wicksteed) 118, 119–20
- 'communal economics' 118–19
- complementarity, analysis of 126
- composition of causes 92
- Compte, A. 2, 35, 41, 67
- concepts
- Croce 71–73, 75
 - theoretical *versus* empirical meaning
 of 131
- 'Considerazioni sui principi
 fondamentali dell'economia politica
 pura' (Pareto) 8, 25, 84, 113
- consumer theory vii, 88
- Corrado, M. 56
- Cours d'Economique Politique* (Pareto)
 (*Cours*) vii, 8, 25, 27, 30, 39, 46,
 95, 117, 121, 136–37
- analysis and synthesis, method of
 93–94, 139
- experimental psychology 86
- ophelimity 12–14
- speech for first sociology course
 14–15
- theory of action 9–12
- Cressati, C. 100
- Croce, B. x, xix, 15, 27, 34, 35, 42, 46,
 50, 51, 52, 55, 56–57, 59, 62–78,
 81, 90, 93, 101, 102, 137
- D'Alembert, J. le Rond 97
- D'Alembert's Principle 97
- Dalton, H. vii
- Davidson, D. 79
- de Finetti, B. 55, 56
- De Maistre, D. 16
- De Marchi, N. 99, 101
- de Martiis, C. 6
- De Pietri-Tonelli, A. 30, 32, 42
- de Viti de Marco, A. 2–4, 6, 28, 29, 97
- deductive-inductive method *see*
 deductive method, inverse
deductive method 32, 57, 83
- experimental psychology 87–88
 - inverse 44–45, 82, 133–34
 - psychological introspection 85
 - pure economics 84
 - refutation of 2
 - Vailati and 39, 43–45, 60
- Del Vecchio, G. 78
- demand curve 114, 115
- demand schedule 114
- demand theory 88
- 'demarcation problem' 86
- Demaria, G. 99
- derivations, theory of 19, 41
- Dickinson, Z.C. 88
- Dietzel, H. 1
- doctrines, history of 41–42
- Donzelli, F. x, 96–97, 101
- Drake, S. 58
- Drakopoulos, S.A. x, 31
- Duesenberry, J. 17
- Duhem, P. 37, 55
- Dummett, M. 79
- Econometrica* viii
- Economic Journal* 29
- economic phenomenon 7–9
- economic principle 1, 2
- Croce 64–65
 - de Viti de Marco 2–4
 - versus* economic phenomenon 8–9
 - Pantaleoni 4–6
- Economica* viii
- 'Economie mathématique' (Pareto) 50,
 126, 133, 136
- Edgeworth, F.Y. x, 1, 4, 5, 10, 13, 22,
 25, 29, 30, 31, 65, 86, 89, 102,
 105–12, 113, 114, 120, 129, 134,
 135, 138, 140
- Effertz, O. 53–54
- egoism
- and altruism 118–19
 - economic principle 4
- Historical School attacks 1–2

- Marshall 115
 ophelimity 13
 philosophical 28
see also hedonism
- Einaudi, L. 5, 17, 29, 52, 55, 78, 80, 81
Elementi di Politica (Croce) 69
Elements of Psychophysics (Fechner) 85
Elements (Walras) 4
élites, theory of 53
 Elster, J. 17
 empiricism 8–10, 38
 empirical laws (Croce) 68–69
 epistemology 70
 naturalism (Croce) 67–68
see also experimental method; facts
- English school 78, 93
 non-acceptance of Pareto 104–5
 psychological introspection 84, 85
- Enriques, F. 57, 67
 epistemology 78
 empiricist (Pareto) 70
 idealist (Croce) vii, 70
- Esiodus 19
 ethics 1, 53–54, 59
 Everitt, N. 70
 experience
 objectivity 84
 versus observation 95
 ‘Experimental Economics’ (Pareto) 42
 experimental method
 economics of Pareto 83–84
 facts, role and meaning of 38–39, 40
 integrability problem 24–27
 progression towards 8
 use of term 102–3
see also deductive method;
 empiricism
- experimental psychology 85–86
 and Pareto 86–89
- facts
 Croce’s theory of 68–69
 historical 68–69, 98
 interpretation of 89–91
 probability 83
 psychological 112
 role and meaning of 38–39, 40, 41, 52
- Fasiani, M. 29
Fatti e Teorie (Pareto) 89–90, 138, 139
 Faucci, R. 6, 55, 78
 Fechner, G.N. 85, 88
 Fechner law 85–86, 88
 Ferrara, F. 31
 Ferrari, G.C. 56
 Ferrarotti, F. 99
 fictional models 92, 94–95
 Financial Economics 3
 Fiorito, L. 29
 Fisher, A. 8, 70
 Fisher, I. 32
 Flux, A.W. 29–30, 110
 Fossati, E. 103
 Frank, W. 88
 Frege, G. 79
 Galileo, S. 39–40
 Gallegati, M. 122
 Gambino, E. x, 31, 32
 Garin, E. 35–36, 55
 general equilibrium, theory of (Walras)
 7, 20, 106, 113, 140
 generality 106
 Gentile, G. 35, 76
 Georgescu-Roegen, N. 31, 104
 Giocoli, N. 29
 Gioia, M. 28
Giornali degli Economisti 58, 63, 64, 65,
 73, 109, 110
 Goodman, N. 79
 Gossen, H.H. 118
 Gossen law 10
 Gramsci, A. 58
 Grattan-Guinness, I. 33
 Graziani, A. 29
 Gross, M. x
 Guala, F. x, 91, 101, 122, 125
 Hamminga, B. 101
 Hands, D.W. 33
 Hausman, D.M. 79, 99
 hedonism viii
 abandoning of 23–24
 versus egoism 4
 Historical School critiques 1–2
 law of minimum means 4
 marginal rate of substitution 48, 49
 ophelimity 12–14, 18, 27, 31, 54
 ordinalism 23
 paradox of Pareto’s 9, 125, 135–36
 anti-hedonism 129–30

- justification for in pure economics 130–32
- ‘laziness’ explanation 126–27
- pedagogic explanation 126
- ‘political’ hypothesis 127–28
- pleasure 22–23, 27, 49–50, 129–32
- rationality 4–6
- value, theory of 65
- Hegel, G.W.F. 41
- Hempel, C. 91
- Henderson, L.J. x, 42
- Hicks, J. vi–xix, 26, 48, 88, 111, 124–25, 126, 127, 128, 132, 133, 136, 142
- historical fact 68–69, 98
- Historical School 100
 - critiques by 1–2, 6, 29
 - facts, importance of 38–39, 67, 89, 98
 - and Pareto 97–99
- Hollis, M. 17, 28, 141
- homo oeconomicus* 13, 17, 21, 30, 31, 59, 84, 94–95, 96, 132
- Hume, D. 99
- hypothetical method (hypothetico-deductive method) 133, 134–35, 136
 - see also* deductive method
- idealisation 63, 66, 73, 75, 82, 91
 - models 91–92, 94–96
 - social science, unifying 93–94
- ideas, Platonic theory of 52, 71
- Il Carattere Teorico dell’Economia Finanziaria* (de Viti de Marco) 2
- ‘Il compito della sociologia fra le scienze sociali’ (Pareto) 14–15
- Il Giornale degli Economisti* 8, 23
- Il Metodo Deduttivo come Strumento di Ricerca* (Vailati) 43
- imperfection 102
- income distribution 38–39, 53, 116
 - Edgeworth 108–10, 112
- indifference curves 111, 112, 121, 122, 129–31, 134
- individualism 2, 4
 - methodological 11
- induction
 - ‘analytical induction’ 84
 - problem of 81–83
 - see also* deductive method
- integrability problem 24–27
- international trade (Edgeworth) 105–8
- ‘Introduction’ (Vailati) 38
- intuition 68, 70
- James, W. 36, 55, 57
- Jannaccone, P. 13
- Jevons, W.S. 1, 2, 3–4, 5, 6, 8, 10, 13, 29, 30, 49, 65, 84, 86, 100, 120, 133, 135, 143
- Johnson, W.E. 104, 121
- Kant, I. 52
- Keynes, J.N. 84, 92, 100
- Kidd, B. 57, 60
- Kirman, A. 32, 33, 128
- Knies, K. and Hildebrand, B. 28
- Knight, F. 128
- Kuhn, T. 57, 104
- ‘L’Economie et la sociologie ou point de vue scientifique’ (Pareto) 95–96
- ‘La courbe de la répartition de la richesse’ (Pareto) 108–9
- La Ferla, G. 16
- Lakatos, I. 140
- Lampertico, F. 28
- Lanaro, G. 56
- Landry, A. 49, 60
- Lange, O. xix, 127
- language
 - Pareto 42
 - Vailati 45–46
- L’arbitrario nel Funzionamento della Vita Psichica* (Vailati) 60
- Laurent, H. 20, 21, 22–23
- Lausanne School 106, 113, 122
- law, meaning of 99
- law of minimum means 2–4, 5–6, 28–29
- Lawson, T. 78, 79
- Lewin, S. x, 88, 128, 141
- ‘L’ofelimità dei cicli non chiusi’ (Pareto) 25
- logic 7, 19–20
 - Logic* (Croce) 68, 72, 75–76, 80
 - Logic* (Mill) 70, 80
- logical actions *see* non-logical actions
- logical neopositivism 38

- logical pragmatism
 Calderoni 59
 Vailati 35–38
 London School of Economics vii, x
- Macchioro, A. 55, 56
 Mach, E. 37, 55, 67, 81
 ‘magical’ pragmatism 35, 36
 Magliulo, A. 121
 mainstream economics 78, 84, 105
 Mäki, U. 79
 Malinvaud, E. 33
Manual of Political Economy (Pareto)
 (*Manual*) vii, 13, 18, 24, 25, 26, 30,
 59, 66, 68, 77, 81, 84, 87, 88, 94,
 95, 96, 98, 102, 111, 126, 130, 131,
 132, 133, 135, 136, 140
 Wicksteed’s review 117, 119, 120
 Marchionatti, R. x, 31, 32
 marginal utility
 Calderoni 59
 decreasing 10, 85–86
 marginal rate of substitution (Vailati)
 47–50, 124
 relative scale of preferences
 (Wicksteed) 120
 virtual utility (Vailati) 57
 marginalist economists 2, 5, 14, 30, 105
 marginalist principle (Wicksteed) 118
 marginalist revolution 9, 85, 86, 118
 Marini, S. 57
 Marshall, A. viii, 29, 30, 89, 93, 99, 104,
 105–6, 107, 109, 112–16, 117, 120,
 125
 Marxists 2
 Masci, G. 79
Materialismo Storico ed Economia Marxista (Croce) 54
Mathematical Psychics (Edgeworth) 29,
 122
 mathematics
 mathematics-experience relationship
 79
 and *qualitative* aspect 64
 science *versus* philosophy of
 economics 76, 77, 80
 unnumerical 31
 use of 106, 107–8, 132
 Maupertius, P.L. Moreau de 29
 Mayer, H. 33
- McLure, M. 9, 96, 101
 mechanics, analogy of 8–9, 30, 74
 distrust towards 96–97
 Menger, C. 92, 100, 143
 Messedaglia, A. 28
 method, dissent on (Croce) 70–75
 methodology
 Marshall 115
 methodological dualism 67–68, 90
 Pareto ix, x
 Mill, J.S. 8, 10, 15, 22, 41–42, 57, 70,
 80, 82, 84, 86–87, 92, 95, 99, 100,
 115, 133, 134, 141
 Mirowski, P. 33
 Moore, G.E. 59
 Moore, H. 102
 Mornati, F. 31
 Mosca, G. 55
 Moscati, I. 33
 motives viii, 11, 15
 mutualism 3
 ‘Myth of the Cavern’ (Plato) 44
 natural sciences, method of 7–9, 10
 naturalism, metaphysical presupposition
 of 67–68
 Naville, A. 78
 neo-positivism vii, viii, ix, 125
 ‘new economics’ 6, 7
 Newton, I. 133, 140
 nominalism 66, 78
 versus realism 70–73
 non-logical actions 143
 abstraction 94
 Croce’s criticism of 65–66
 ‘discovery’ of 15–17
 versus logical actions 16–17, 18–20,
 19, 66, 84
 logical *versus* rational 42–43
 objectivity and subjectivity 17–20
 Pantaleoni’s Introductory Lecture in
 Geneva 40–42
 sociology 10–12, 15, 115
 synthetic economics 138–39
 see also action, theory of
 non-tuism (Wicksteed) 118–19
 Nowak, L. 101
- objectivity
 experience 84

- experimental psychology 87
 facts, interpretation of 89–90
 logical/non-logical actions 17–20
 positivism 90
 probability 83
 rationality 19–20
 science *versus* non-science 86
versus subjectivity 52
 Ockham viii, 70, 79, 100
Oeuvres Complètes (Pareto) 27
 ophelimity 12, 21, 30
 attacked 128
 as (cardinal) quantity 10, 97
 classification of actions 11
 existence of 129
 hedonism 12–14, 18, 27, 31, 54
 ordinal measure 21–22
 preference index 27
 reason for introducing 12–14
 term 12, 42
 see also ordinalism; utility
 order of consumption problem 33
 ordinalism vii, 88
 core principles 124–35
 transition to vii, viii, 20–27, 124
 Comment se Pose le Problème de l'Economie Pure (Pareto)
 20–22, 23
 hedonism, abandoning of 23–24
 integrability problem 24–27
 Pareto-Laurent correspondence
 22–23, 27
 pleasure, measurability of 22–23
 Vailati 46–47
Osservazioni sulle Questioni di Parole nella Storia della Scienza e della Cultura (Vailati) 45
- Pantaleoni, M. 1, 2, 4–6, 7, 13, 14,
 23–24, 25, 31, 40–42, 54, 65, 86,
 97, 100, 104, 105–8, 110, 111–12,
 113, 117, 137, 143
 ‘paper world’ (Vailati) 38, 39–40, 45
 Papini, G. 35, 36, 50–51, 55
 Parsons, T. 81, 100, 101
 Passeron, J.C. 32
 Pearson, K. 108, 109
 Pelloni, G. 55–56
 Peter Abelard 70
 philosophers, and economists 64
 philosophy of science (Pareto) vii, ix, x,
 37–38
 Pierce, C.S. 35, 36–37, 55, 57
 Pigou, A.C. 116
 Plato 44, 51–52, 70–71
 pleasure 22–23, 27, 49–50, 129–32
 see also hedonism
 Poincaré, J.H. 47, 67, 70, 81
 Popkin, H.R. 100
 Popper, K. 71, 91
 positivism 2
 continued existence of 78
 essence, knowledge of 51, 60
 induction problem 81–83
 Italian, crisis of 34–35, 50, 62–63
 naturalism 67
 objectivity 90
 Pareto 41, 81–94
 Vailati 37, 40
 words 45
 pragmatism 35–38, 59
 ‘Pragmatismo e logica matematica’
 (Vailati) 36
 ‘praxeology’ 118
 prediction, issue of 90–91
 preference indexes 27, 120, 124–25, 131
 premises, dissent on (Croce) 67–70, 81
 Premoli, O. 55
 Prezzolini, G. 36, 55
Principii di Economia Pura (Pantaleoni)
 4–5, 6, 7, 17, 29–30
Principles (Marshall) 112, 113, 115
 probability
 curve (Edgeworth) 109–10
 objective *versus* subjective 83
 producers, responsibilities of 53
 Proudhon, P.-J. 28
 pseudoconcepts, empirical 72, 75, 76
 psychological introspection
 basis of economic laws 70, 84
 deductive method 85
 English school 84, 85
 experimental psychology 86
 marginalists 111–12
 motives viii–ix
 pure economics 53–54, 60–61
 psychology, ‘scientific’ 133
 see also experimental psychology
 psychophysical hypotheses 132, 134–35
 psychophysics 85

- Public Finance 2–3
public (financial) economics 2
 pure economics 29–30
 cardinalism 132–35
Comment se Pose le Problème de l'Economie Pure (Pareto) 21
 deductive method 84
 ethics of consumption 53–54
 experimental method 84
 hedonism, justification for 130–32
homo oeconomicus 9
 methodology 115
 Pareto's first observations on 8
Principles (Marshall) 113
 psychological introspection 53–54,
 60–61
Pure Theory of Foreign Trade
 (Marshall) 30
- Quaranta, M. 56
 Quine, W. 70, 79
- Racca, V. 80
 rational choice theory viii, 19, 28, 66,
 142–43
 foundation for new 1930s 111
 psychology, role of 27
 rational *versus* applied economics 30
 rationality
 and irrationality 7
 objectivity 19–20
 Rau, K. 1
 realism, *versus* nominalism 70–73
 Régis, J. 78
 Reichenbach, H. 91
 resolution and composition (analysis and
 synthesis) 91
 Restaino, F. 37
Review of Economic Studies viii
 Ricci, U. viii, 49, 56
Rivista Italiana di Sociologia 63
 Robbins, L. x, 29, 104, 120, 121, 123
 Rossi, P. 30
 Rossi Landi, F. 36, 38, 56
 Russell, B. 37, 55, 70, 79
- Samuelson, P. viii, ix, 25, 26, 88, 92,
 111, 124, 128, 142
 Sanger, C.P. 110
 Schiller, F.C.S. 57
- Schmoller, G. 100
 Schultz, D.P. 88, 100
 Schumpeter, J.A. 30, 32, 105, 121, 122,
 127
 Sciacca, M.F. 57
 science *versus* philosophy of economics
 (Croce) 75–78
Scritti Varii (Pantaleoni) 58
 Seidl, C. 140
 self-interest 1–2, 28
 law of minimum means 3–4
 mechanics, analogy of 9
 rationality 4–6
 see also egoism
 Senior, N. 28
 Sensini, G. 12, 32, 117, 126, 137
 Sidgwick, H. 3, 22, 84, 101
 Silvestri, G. 56, 58
 Slutsky, E. 140
 Slutsky's matrix 24
 Smith, A. 28
 Snow, A.J. 88, 89
 sociology 7, 10, 11
 economics, separation from 116–17
 experimental method 84
 and history (Croce) 63
 inductive method 82–83
 opening speech for first course 14–15
 rationality, forms of 17
 synthetic economics 138–39
 Sola, G. 78
 Spencer, H. 35, 41
 Spirito, U. 64, 65, 76, 78
 spiritualistic climate, influence of 35, 87
 Sraffa, P. 5, 29
 Steiner, P. 141
 Stigler, G.J. ix, 26, 32, 85, 100, 126
 structuralism 100
 Sugden, R. 141
*Sull'Importanza dell Ricerche Relative
 all Storia delle Scienze* (Vailati) 39
 'Sunto' (Pareto) 13, 24, 59, 64, 66, 79,
 102, 111, 126, 129
 Supino, C. 29
 synoptic table (Pareto/Marshall
 theoretical differences) 113–14
 synthesis *see* analysis and synthesis,
 method of
 synthetic economics 94, 142–43
 missed dream of 136–39

- System of Logic* (Mill) 44, 92
Systèmes Socialistes (Pareto) (*Systèmes*)
 8, 30, 51, 57, 59, 60, 95, 102
 Vailati's review of 52–53
- Taine, H.-A. 16
 Tarascio, V. vii, x, 78, 101, 128
 'Teoria matematica dei cambi forestieri'
 (Pareto) 105–6
 Thayer, H.S. 36
The Philosophy of the Practical (Croce)
 76
 theories
 eliminating 90–91
 theory of 41
 Titchener, E.B. 100
 Tocqueville, A. de 16
 'Trattato di Sociologica Generale'
 (Pareto) 80
Treatise on General Sociology (Pareto)
(Treatise) 40 8, 17, 18, 19, 20, 28,
 30, 34, 41, 52, 58, 68–69, 72, 79,
 80, 82, 83, 84, 87, 89, 90–91, 94,
 96, 98, 99, 101, 102, 134, 137
 Troeltsch, E. 79
- universals
versus individual realities 71
 problem of (realism *versus*
 nominalism) 70–73
- utility
 classification of actions 11
 constant, of money 114
 existence of 129–32
 and hedonism 9
 measurability of 26, 131–32
 Pareto 30, 135–36
- see also* ophelimity; ordinalism
- Vacca, G. 38, 52
 Vailati, G. x, xix, 27, 32, 34–55, 38–40,
 67, 70, 81, 89, 100–101, 102, 137
 Vailati-Pareto letters 38–39
 Valenti, G. 29, 46
 value 30
 Croce 64–65
 Vailati 45–46
Value and Capital (Hicks) 125
 Verri, P. 29
 Vienna Circle 38, 67, 86
 Vinci, F. 97, 116
 Volterra, V. 25, 26, 48, 96
 Von Hayek, F. viii
- Wagner, V. 1
 Walras, L. 7, 10, 32, 33, 47, 99, 106,
 107, 112, 113, 122, 134, 135, 138,
 140
 Watson, J.B. 88
 Weber, E.H. 85
 Weber, M. 31, 67, 79, 101
 Weber-Fechner law *see* Fechner law
 Welby, V. 37, 55
 welfare economics viii, 116
 Wicksell, K. 86
 Wicksteed, H.P. x, 59, 105, 116–21, 121
 Wittgenstein, L. 79
 Wong, S. 140
 words, matter of 45, 50
 Wundt, W. 88, 100
- Zanni, A. 16, 30, 112–13, 122
 Zanoni, C.P. 56
 Zylberberg, A. 33