
References

1. Tindara Addabbo, Maria Laura di Tommaso, and Gisella Facchinetti. To What Extent Fuzzy Set Theory and Structural Equation Modelling Can Measure Functionings? An Application to Child Wellbeing. *Materiali di Discussione del Dipartimento di Economia Politica*, 468, 2004.
2. Sabina Alkire. *Valuing Freedoms: Sen's Capability Approach and Poverty Reduction*. Oxford University Press, Oxford, 2002.
3. Paul Anand, Graham Hunter, and Ron Smith. Capabilities and Wellbeing: Evidence Based on the Sen-Nussbaum Approach to Welfare. *Social Indicators Research*, forthcoming.
4. Paul Anand and Martin van Hees. Capabilities and Achievements: Models of Survey Evidence. *Journal of Socio-Economics*, forthcoming.
5. Sudhir Anand and Amartya K. Sen. The Human Development Index: Methodology and Measurement. *Human Development Report Office Paper*, 12, 1993.
6. Anthony B. Atkinson. On the Measurement of Inequality. *Journal of Economic Theory*, 2, 1970.
7. Anthony B. Atkinson. *The Economics of Inequality*. Clarendon Press, Oxford, 2. edition, 1983.
8. Anthony B. Atkinson. The Contributions of Amartya Sen to Welfare Economics. *Scandinavian Journal of Economics*, 101(2):173–190, 1999.
9. Anthony B. Atkinson and F. Bourguignon. The Comparison of Multi-Dimensioned Distributions of Economic Status. *Review of Economic Studies*, 49:183–201, 1982.
10. Anthony B. Atkinson and F. Bourguignon. Income Distribution and Differences in Needs. In George F. Feiwel, editor, *Arrow and the Foundations of the Theory of Economic Policy*, pages 350–370. Macmillan Press, London, 1987.
11. Anthony B. Atkinson and F. Bourguignon. *Handbook of Income Distribution*. Elsevier, Amsterdam, 2000.
12. Anthony B. Atkinson and N.H. Stern. On Labour Supply and Commodity Commands. In Angus S. Deaton, editor, *Essays in the Theory and Measurement of Consumer Behaviour in Honour of Sir Richard Stone*, pages 265–296. Cambridge University Press, Cambridge, 1981.
13. Alessandro Balestrino. A Note on Functionings Poverty in Affluent Societies. *Notizei di Politeia*, 12(43-44):97–105, 1996.

14. Alessandro Balestrino and Nicola Sciclone. Should we Use Functionings instead of Income to Measure Wellbeing? Theory, and Some Evidence from Italy. *mimeo, University of Pisa*, 2000.
15. Badi H. Baltagi. *Econometric Analysis of Panel Data*. John Wiley and Sons, Ltd., Chichester, 2002.
16. Elena Bardasi, Stephen Jenkins, and John A. Rigg. Documentation for Derived Current and Annual Net Household Income Variables, BHPS waves 1-9. *mimeo, University of Essex*, 2001.
17. Kaushik Basu and Luis F. López-Calva. Functionings and Capabilities. In Kenneth Arrow, Amartya Sen, and Kotaro Suzumura, editors, *Handbook of Social Choice and Welfare*, volume 2. Elsevier Science-North Holland, 2004.
18. Gary S. Becker. A Theory of the Allocation of Time. *Economic Journal*, 75:493–517, 1965.
19. Charles Bellemare, Bertrand Melenberg, and Arthur van Soest. Semiparametric Models for Satisfaction with Income. *Portuguese Journal of Economics*, 1:181–203, 2002.
20. Peter M. Bentler and David G. Weeks. Linear Structural Equations with Latent Variables. *Psychometrika*, 45(3):289–308, 1980.
21. Charles Blackorby and David Donaldson. Adult-Equivalence Scales, Interpersonal Comparisons of Well-being, and Applied Welfare Economics. In Jon Elster and John E. Roemer, editors, *Interpersonal Comparison of Wellbeing*, pages 164–196. Cambridge University Press, Cambridge, 1991.
22. Richard Blundell and Arthur Lewbel. The Information Content of Equivalence Scales. *Journal of Econometrics*, 50:49–68, 1991.
23. Richard Blundell and Ian Preston. Consumption Inequality and Income Uncertainty. *The Quarterly Journal of Economics*, 113(2):603–640, 1998.
24. Francois Bourguignon and Satya R. Chakravarty. A Family of Multidimensional Poverty Measures. In D. Slottje, editor, *Advances in Econometrics, Income Distribution and Methodology of Science*. Springer Verlag, London, 1999.
25. Francois Bourguignon and Satya R. Chakravarty. Multidimensional Poverty Orderings. *DELTA Working Paper*, (22), 2002.
26. Francois Bourguignon and Satya R. Chakravarty. The Measurement of Multidimensional Poverty. *Journal of Economic Inequality*, 1:25–49, 2003.
27. Andrea Brandolini and Giovanni D’Alessio. Measuring Well-Being in the Functioning Space. *Paper presented in the Conference Justice and Poverty, examining Sen’s capability approach, Cambridge, 5-7 June 2001*, 1998.
28. Martin Browning, Lars Peter Hansen, and James J. Heckman. Micro Data and General Equilibrium Models. In John B. Taylor and Michael Woodford, editors, *Handbook of Macroeconomics*, pages 543–633. North Holland, Amsterdam, 1999.
29. Tania Burchardt. The Evolution of Disability Benefits in the UK: Re-Weighting the Basket. *CASE Working Paper*, (26), 1999.
30. Tania Burchardt and Julian Le Grand. Constraint and Opportunity: Identifying Voluntary Non-Employment. *CASE Working Paper*, (55), 2002.
31. J. Butler and R. Moffit. A Computationally Efficient Quadrature Procedure for the One Factor Multinomial Probit Model. *Econometrica*, (50):761, 1982.
32. Fiona A. E. Coulter, Frank A. Cowell, and Stephen P. Jenkins. Differences in Needs and Assessment of Income Distributions. *Bulletin of Economic Research*, 44(2):77–124, 1992.

33. Frank A. Cowell. Sampling Variance and Decomposable Inequality Measures. *Journal of Econometrics*, 42:27–41, 1989.
34. Frank A. Cowell. *Measuring Inequality*. Harvester Wheatsheaf, 2. edition, 1995.
35. Frank A. Cowell. Measurement of Inequality. In Anthony B. Atkinson and F. Bourguignon, editors, *Handbook of Income Distribution*, pages 87–150. North Holland, Amsterdam, 2000.
36. Frank A. Cowell. *The Economics of Poverty and Inequality*, volume 1. Edward Elgar, 2003.
37. Frank A. Cowell and Magda Mercader-Prats. Equivalence Scales and Inequality. In Jacques Silber, editor, *Handbook of Income Inequality Measurement*, pages 405–435. Kluwer Academic, Boston, Dordrecht and London, 1999.
38. Ian A. Crawford. Welfare Ranking in Multivariate Distributions: Nonparametric Tests of Stochastic Dominance, with an Application to UK data. *IFS Working Paper*, (28), 1999.
39. David Crocker. Functionings and Capabilities: The Foundation of Sen's and Nussbaum's Development Ethic. *Political Theory*, 20:584–612, 1992.
40. R. Crouchley. A Random-Effects Model for Ordered Categorical Data. *Journal of the American Statistical Association*, 90:489–98, 1995.
41. H. Dalton. The Measurement of the Inequality of Incomes. *Economic Journal*, 30:348–361, 1920.
42. Norman Daniels. Equality of What: Welfare, Resources, or Capabilities? *Philosophy and Phenomenological Research*, L:273–296, 1990.
43. Angus Deaton and John Muellbauer. *Economics and Consumer Behaviour*. Cambridge University Press, Cambridge, 1980.
44. Angus S. Deaton. *The Analysis of Household Surveys. A Microeconomic Approach to Development Policy*. Johns Hopkins University Press, Baltimore and London, 1997.
45. Maria Laura di Tommaso. How to Measure Children Wellbeing Using A Capability Approach - An Application to Indian Data. *Department of Economics, University of Turin, Working Paper*, 2005.
46. Bhaskar Dutta. *Welfare Economics*. Oxford University Press, 1994.
47. Jon Elster and John E. Roemer. *Interpersonal Comparisons of Well-Being*. Cambridge University Press, Cambridge, 1991.
48. Jon Elster and John E. Roemer. Introduction. In Jon Elster and John E. Roemer, editors, *Interpersonal Comparison of Wellbeing*, pages 1–16. Cambridge University Press, Cambridge, 1991.
49. E. Engel. Die Lebenskosten Belgischer Arbeiter-Familien Früher und Jetzt. *International Statistical Institute Bulletin*, 9:1–74, 1895.
50. John Finnis. *Natural Law and Natural Rights*. Clarendon Press, Oxford, 1980.
51. Sakiko Fukuda-Parr. The Human Development Paradigm: Operationalising Sen's Ideas on Capabilities. *Feminist Economics*, 9(2-3):301–317, 2003.
52. Alan M. Garber. *Frontiers in Health Policy Research*. MIT Press, 2001.
53. Des Gasper. Sen's Capability Approach and Nussbaum's Capability Ethics. *Journal of International Development*, 9:281–302, 1997.
54. Des Gasper. Is Sen's Capability Approach an Adequate Basis for Considering Human Development? *Review of Political Economy*, 14:435–460, 2002.
55. Acharya Gayatri and Lynne Bennett. Valuing Open Space and Land-Use Pattern in Urban Watersheds. *Journal of Real Estate Finance and Economics*, 22(2-3):221–237, 2001.

56. Alissa Goodman, Paul Johnson, and Stephen Webb. *Inequality in the UK*. Oxford University Press, Oxford, 1997.
57. Alissa Goodman and Andrew Sheperd. Inequality and Living Standards in Great Britain: Some Facts. *IFS Briefing Notes*, (19), 2002.
58. W. Gorman. A Possible Procedure for Analyzing Quality Differentials in the Egg-Market. *Review of Economic Studies*, 47:843–856, 1980.
59. UK Government. *Sustainable Development Strategy*. www.sustainable-development.gov.uk, 2004.
60. William H. Greene. *Limdep Version 8.0 Econometric Modelling Guide Vol.1*. Econometric Software, Plainview, NY, 4. edition, 2002.
61. William H. Greene. *Econometric Analysis*. Prentice Hall, Upper Saddle River, New Jersey, 2003.
62. Michael R. Hagerty, Robert A. Cummins, Abott L. Ferris, Kenneth Land, Alex C. Michalos, Mark Peterson, Andrew Sharpe, Joseph Sirgy, and Joachim Vogel. Quality of Life Indexes for National Policy Review and Agenda for Research. *Report of the Committee for Societal QOL Indexes, ISQOLS*, 2001.
63. J. Halpern and J. Hausman. Choice Under Uncertainty: Labour Supply and the Decision to Apply for Disability Insurance. In Richard Blundell and Ian Walker, editors, *Unemployment, Search and Labour Supply*. Cambridge University Press, Cambridge, 1986.
64. Arnold Harberger. *Project Evaluation: Collected Papers*. Macmillan, London, 1972.
65. James J. Heckman. Accounting for Heterogeneity, Diversity and General Equilibrium in Evaluating Social Programs. *NBER Working Paper: 7320*, 1999.
66. Joseph G. Hirschberg, Esfandiar Maasoumi, and Daniel J. Slottje. Clusters of Attributes and Well-Being in the USA. *Journal of Applied Econometrics*, 16:445–460, 2001.
67. B. Hobijn and P.H. Franses. Asymptotically Perfect and Relative Convergence of Productivity. *Journal of Applied Econometrics*, 15:59–81, 2000.
68. Karl G. Joereskog. The Analysis of Covariance Structures. *The Scandinavian Journal of Statistics*, 8:65–92, 1981.
69. Karl G. Joereskog. Analysis of Ordinal Variables 2: Cross-Sectional Data. *Mimeo, SSI Website*, 2001.
70. Karl G. Joereskog and Goldberger. Estimation of a Model with Multiple Indicators and Multiples Causes of a Single Latent Variable. *Journal of the American Statistical Association*, 70:637–639, 1975.
71. Andrew Jones and Owen O'Donnell. Equivalence Scales and the Costs of Disability. *Journal of Public Economics*, 56(2):273–89, 1995.
72. Daniel Kahneman and Carol Varey. Notes on the Psychology of Utility. In Jon Elster and John P. Roemer, editors, *Interpersonal Comparisons of Well-Being*, pages 127–163. Cambridge University Press, Cambridge, 1991.
73. Jae-On Kim and Charles W. Mueller. Factor Analysis: Statistical Methods and Practical Issues. In Michael S. Lewis-Beck, editor, *Factor Analysis and Related Techniques*, pages 75–156. Sage, London, 1994.
74. Stephan Klasen. Measuring Poverty and Deprivation in South Africa. *Review of Income and Wealth*, 46:33–58, 2000.
75. Serge-Christoph Kolm. Multidimensional Egalitarianism. *Quarterly Journal of Economics*, 91:1–13, 1977.

76. Wiebke Kuklys. A Monetary Approach to Capability Measurement of the Disabled - Evidence from the UK. *Max Planck Institute for Research Into Economic Systems: Papers on Strategic Interaction*, (7), 2004.
77. Caterina Ruggeri Laderchi. Poverty and its Many Dimensions: The Role of Income as an Indicator. *Oxford Development Studies*, 25(3):345–360, 1997.
78. Caterina Ruggeri Laderchi. Do Concepts Matter? An Empirical Investigation of the Differences between a Capability and a Monetary Assessment of Poverty. *Mimeo, University of Oxford*, 2001.
79. Caterina Ruggeri Laderchi, Ruhi Saith, and Frances Stewart. Does it Matter that we do not Agree on the Definition of Poverty? A Comparison of Four Approaches. *Oxford Development Studies*, 31(3):243–274, 2003.
80. K. Lancaster. A New Approach to Consumer Theory. *Journal of Political Economy*, 74:132–157, 1966.
81. Sara Lelli. Factor Analysis vs. Fuzzy Sets Theory: Assessing the Influence of Different Techniques on Sen's Functioning Approach. *Center of Economic Studies Discussion Paper, KU Leuven*, DPS 01.21, 2001.
82. Jordan J. Louviere, David A. Hensher, and Joffre D. Swait. *Stated Choice Methods: Analysis and Application*. Cambridge University Press, Cambridge, 2002.
83. Esfandiar Maasoumi. The Measurement and Decomposition of Multi-Dimensional Inequality. *Econometrica*, 54(4):991–997, 1986.
84. Esfandiar Maasoumi. Composite Indices of Income and Other Developmental Indicators: A General Approach. *Research on Economic Inequality*, 1:269–286, 1989.
85. Esfandiar Maasoumi. Continuously Distributed Attributes and Measures of Multivariate Inequality. *Journal of Econometrics*, 42:131–144, 1989.
86. Esfandiar Maasoumi. Multidimensioned Approaches to Welfare Analysis. In Jacques Silber, editor, *Handbook of Income Inequality Measurement*. Kluwer Academic, Boston, Dordrecht and London, 1999.
87. Esfandiar Maasoumi and Gerald Nickelsburg. Multivariate Measures of Well-being and an Analysis of Inequality in the Michigan Data. *Journal of Business and Economic Statistics*, 6(3):327–334, 1988.
88. Charles Manski. *Identification Problems in the Social Sciences*. Harvard University Press, Cambridge, Massachusetts, 1999.
89. Enrica Chiappero Martinetti. A Multidimensional Assessment of Well-Being Based on Sen's Functioning Approach. *Rivista Internazionale di Scienze Sociali*, 2, 2000.
90. L. D. McClements. *The Economics of Social Security*. Heinemann Educational, London, 1978.
91. V. E. McGee and W. T. Carlton. Piecewise Regression. *Journal of the American Statistical Association*, 65:1109–1124, 1970.
92. Bertrand Melenberg and Arthur van Soest. Measuring the Costs of Children: Parametric and Semiparametric Estimators. *Statistica Neerlandica*, 50:171–192, 1996.
93. Mamta Murthi. Engel Equivalence Scales in Sri Lanka: Exactness, Specification, Measurement Error. In Richard Blundell, Ian Preston, and Ian Walker, editors, *The Measurement of Household Welfare*, pages 164–191. Cambridge University Press, Cambridge, 1994.
94. Martha Nussbaum and Jonathan Glover. *Women, Culture and Development: A Study of Human Capabilities*. Clarendon Press, Oxford, 1995.

95. Martha Nussbaum and Amartya Sen. *The Quality of Life*. Clarendon Press, Oxford, 1993.
96. Martha C. Nussbaum. Capabilities as Fundamental Entitlements: Sen and Social Justice. *Feminist Economics*, 9(2-3):33–59, 2003.
97. Prasanta K. Pattanaik. Some Non-Welfaristic Issues in Welfare Economics. In Bhaskar Dutta, editor, *Welfare Economics*, pages 197–248. Oxford University Press, Oxford, 1994.
98. Prasanta K. Pattanaik and Yongsheng Xu. On Ranking Opportunity Sets in Terms of Freedom of Choice. *Recherches Economiques de Louvain*, 56:383–390, 1990.
99. Federico Perali. Some Curiosities about the Engel Method to Estimate Equivalence Scales. *Economics Bulletin*, 4:1–7, 2002.
100. Philip Pettit. Capability and Freedom: A Defence of Sen. *Economics and Philosophy*, 17:1–20, 2001.
101. Shelley Phipps. The Well-Being of Young Canadian Children in International Perspective: A Functionings Approach. *Review of Income and Wealth*, 48(4):493, 2002.
102. D. Piccolo. A Distance Measure for Classifying ARIMA Models. *Journal of Time Series*, 1970.
103. A.C. Pigou. *Wealth and Welfare*. Macmillan, London, 1912.
104. Robert A. Pollak and Terence J. Wales. Welfare Comparisons and Equivalence Scales. *American Economic Review, Proceedings*, 69:216–221, 1979.
105. Bernard M. S. Van Praag. The Welfare Functions of Income in Belgium: An Empirical Investigation. *European Economic Review*, 2:337–369, 1971.
106. Bernard M. S. Van Praag and N.L. Van der Sar. Household Cost Functions and Equivalence Scales. *Journal of Human Resources*, 23:193–210, 1988.
107. Bernard M. S. Van Praag, A. J. Hagenaars, and H. Van Weerden. Poverty in Europe. *Review of Income and Wealth*, 28(3):345–359, 1982.
108. Mozaffar Qizilbash. Capabilities, Well-Being and Human Development: A Survey. *Journal of Development Studies*, 36:143–162, 1996.
109. Mozaffar Qizilbash. A Note on the Measurement of Poverty and Vulnerability in the South African Context. *Journal of International Development*, 14:757–772, 2002.
110. Martin Raiser, Maria Laura DiTommaso, and Melvyn Weeks. The Measurement and Determination of Institutional Change: Evidence from Transition Economics. *DAE Working Paper*, 29, 2000.
111. Rati Ram. Composite Indices of Physical Quality of Life, Basic Needs Fulfillment, and Income: A Principal Component Representation. *Journal of Development Economics*, 11:227–247, 1982.
112. Ingrid Robeyns. Gender Inequality. A Capability Perspective. *PhD Thesis, University of Cambridge*, 2002.
113. Ingrid Robeyns. Sen's Capability Approach and Gender Inequality: Selecting Relevant Capabilities. *Feminist Economics*, 9(2-3):61–92, 2003.
114. Ingrid Robeyns. The Capability Approach: A Theoretical Survey. *Journal of Human Development*, 6(1):93–114, 2005.
115. John Roemer. *Equality of Opportunity*. Harvard University Press, Cambridge, Mass., 1998.
116. Erik Schokkaert and Luc Van Ootegem. Sen's Concept of the Living Standard Applied to the Belgian Unemployed. *Recherches Economiques de Louvain*, 56:429–450, 1990.

117. Amartya K. Sen. *Collective Choice and Social Welfare*. Holden Day, San Francisco, 1970.
118. Amartya K. Sen. The Impossibility of a Paretian Liberal. *Journal of Political Economy*, 78:152–157, 1970.
119. Amartya K. Sen. *On Economic Inequality*. Cambridge University Press, Cambridge, 1973.
120. Amartya K. Sen. Personal Utilities and Public Judgments: or What's Wrong with Welfare Economics. *Economic Journal*, 89:537–558, 1979.
121. Amartya K. Sen. The Living Standard. *Oxford Economic Papers*, 36:74–90, 1984.
122. Amartya K. Sen. *Commodities and Capabilities*. North Holland, Amsterdam, 1985.
123. Amartya K. Sen. *Inequality Reexamined*. Clarendon Press, Oxford, 1992.
124. Amartya K. Sen. Capability and Well-Being. In Martha Nussbaum and Amartya K. Sen, editors, *The Quality of Life*, pages 30–53. Clarendon Press, Oxford, 1993.
125. Amartya K. Sen. On the Foundations of Welfare Economics: Utility, Capability, and Practical Reason. In Francesco Farina and Stefano Vannucci, editors, *Ethics, Rationality and Economic Behaviour*, pages 50–65. Clarendon Press, Oxford, 1996.
126. Amartya K. Sen. Maximisation and the Act of Choice. *Econometrica*, 65(4):745–779, 1997.
127. Amartya K. Sen. *Development as Freedom*. Oxford University Press, Oxford, 1999.
128. Amartya K. Sen. Social Justice and Distribution of Income. In A.B. Atkinson and F. Bourguignon, editors, *Handbook of Income Inequality*, pages 59–86. North Holland, Amsterdam, 2000.
129. Amartya K. Sen. Development as Capability Expansion. In Sakiko Fukuda-Parr and A.K. Shiva Kumar, editors, *Readings in Human Development. Concepts, Measures and Policies for a Development Paradigm*, pages 3–16. Oxford University Press, 2003.
130. D. Slesnick. Empirical Approaches to the Measurement of Welfare. *Journal of Economic Literature*, 36(4):2108–2165, 1998.
131. George J. Stigler and Gary S. Becker. De Gustibus Non Est Disputandum. *American Economic Review*, 67:76–90, 1977.
132. Shankar Subramanian and Angus Deaton. Gender Discrimination in Indian Consumption Patterns. *Sarvekshana*, 14:1–12, 1991.
133. Kotaro Suzumura. Introduction. In Kenneth Arrow, Amartya Sen, and Kotaro Suzumura, editors, *Handbook of Social Choice and Welfare*, volume 1, pages 1–94. Elsevier Sciences - North Holland, 2002.
134. Peter Townsend. Poverty as Relative Deprivation: Resources and Styles of Living. In Dorothy Wedderburn, editor, *Poverty, Inequality and Class Structure*. Cambridge University Press, 1974.
135. Kenneth E. Train, Andrew Goett, and Kathleen Hudson. Customer Choice among Retail Energy Suppliers: The Willingness to Pay for Service Attributes. *Energy Journal*, 21(4):109–129, 2000.
136. UNDP. *Human Development Report*. Oxford University Press, Oxford, 1990–2004.
137. Andrew Williams. Dworkin on Capability. *Ethics*, 113(1):23–39, 2002.

138. Liliana Winkelmann and Rainer Winkelmann. Why are the Unemployed So Unhappy? Evidence from Panel Data. *Economica*, 65(257):1–15, 1998.
139. Asghar Zaidi and Tania Burchardt. Comparing Incomes when Needs Differ: Equivalization for the Extra Cost of Disability in the UK. *Review of Income and Wealth*, 51(61):89–114, 2005.

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