

Publications

Articles in refereed international journals

1. P. Meyer, Progressive Methods in Multiple Criteria Decision Analysis, *4OR*, in press, Springer, (doi:10.1007/s10288-008-0069-5).
2. R. Bisdorff, P. Meyer, M. Roubens, Rubis: a bipolar-valued outranking method for the best choice decision problem, *4OR*, 6 (2), June 2008, Springer, (doi:10.1007/s10288-007-0045-5).
3. M. Grabisch, I. Kojadinovic, P. Meyer, A review of capacity identification methods for Choquet integral based multi-attribute utility theory, Applications of the Kappalab R package, *European Journal of Operational Research*, 186 (2), 766-785, 2008, Elsevier, (doi:10.1016/j.ejor.2007.02.025).
4. P. Lenca, P. Meyer, B. Vaillant, S. Lallich, Useful characterization and multicriteria decision aid: A two step approach to interestingness measure selection, *European Journal of Operational Research*, 184 (2), 610626, 2008, Elsevier, (doi:10.1016/j.ejor.2006.10.059).
5. P. Meyer, M. Roubens, On the use of the Choquet integral with fuzzy numbers in Multiple Criteria Decision Aiding, *Fuzzy Sets and Systems*, 157 (7), 927-938, 2006, Elsevier, (doi:10.1016/j.fss.2005.11.014).
6. J.-L. Marichal, P. Meyer, and M. Roubens, Sorting multiattribute alternatives: The TOMASO method, *Computers & Operations Research*, 32 (4), 861-877, 2005, Elsevier, (doi:10.1016/j.cor.2003.09.002).

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1. P. Lenca, B. Vaillant, P. Meyer and S. Lallich, Association rule interestingness measures: experimental and theoretical studies. In F. Guillet and H.J. Hamilton, editors, *Quality Measures in Data Mining*, Chapter 3, 51-76, 2007, Springer, ISBN 3540449116.
2. P. Meyer, Use of an ordinal sorting technique (TOMASO) in stock selection. In J-P. Barthélemy and P. Lenca, editors, *Advances in MultiCriteria Decision Aid*, 2005, ENST Bretagne, ISBN 2-9523875-0-8.
3. P. Meyer, M. Roubens, Choice, Ranking and Sorting in Fuzzy Multiple Criteria Decision Aid. In J. Figueira, S. Greco, and M. Ehrgott, editors, *Multiple Criteria Decision Analysis: State of the Art Surveys*, 471-506, Springer Verlag, Boston, Dordrecht, London, 2005, Springer, ISBN 038723067X.

Articles in refereed local journals

1. B. Vaillant, P. Meyer, E. Prudhomme, S. Lallich, P. Lenca, S. Bigaret, Mesurer l'intérêt des règles d'association, *Revue des Nouvelles Technologies de l'Information* (special issue: "Extraction et gestion des connaissances: Etat et perspectives", invited editors: F. Cloppet, J.-M. Petit, N. Vincent), RNTI-E5, 421-426, 2006, Cépaduès.
2. P. Lenca, P. Meyer, B. Vaillant, P. Picouet, S. Lallich, Evaluation et analyse multicritère des mesures de qualité des règles d'association, *Revue des Nouvelles Technologies de l'Information* (special issue "Mesures de qualité pour la fouille de données", invited editors: H. Briand, M. Sebag, R. Gras, F. Guillet), RNTI-E1, 219-246, 2004, Cépaduès.
3. P. Lenca, P. Meyer, P. Picouet, B. Vaillant, S. Lallich, Critères d'évaluation des mesures de qualité en ECD, *Revue des Nouvelles Technologies de l'Information* (special issue: Entreposage et fouille de données, invited editors: O. Boussaid and S. Lallich), no 1, 123-134, 2003, Cépaduès.

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1. R. Bisdorff, P. Meyer and Y. Siskos, editors, OR and the management of electronic services, Feature issue EURO'2004, *European Journal of Operational Research*, 17 articles, in press, Elsevier.

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1. P. Meyer, J.-L. Marichal, R. Bisdorff, Disaggregation of bipolar-valued outranking relations, In proc. of *Modelling, Computation and Optimization in Information Systems and Management Sciences (MCO'08)*, Metz, France, 8-10 September 2008, xx-xx, 2008.
2. P. Meyer, R. Bisdorff, Exploitation of a bipolar-valued outranking relation for the choice of k best alternatives, In proc. of *FRANCORO V / ROADEF 2007: Conférence scientifique conjointe en Recherche Opérationnelle et Aide à la Décision*, Grenoble, France, 20 - 23 February 2007, 193 - 206, 2007.
3. M. Grabisch, I. Kojadinovic, P. Meyer, Using the Kappalab R package for capacity identification in Choquet integral based MAUT, In proc. of the *11th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU)*, Paris, France, 2-7 July 2006, 1702 - 1709, 2006.
4. R. Bisdorff, P. Meyer, M. Roubens, The RuBy method for the recommendation of a best choice from a bipolar outranking relation, In proc. of the *27th Linz Seminar on Fuzzy Set Theory, Preferences, Games and Decisions*, Linz, Austria, 7-11 February 2006, 40-43, 2006.
5. P. Meyer, M. Roubens, On the use of the Choquet Integral with fuzzy numbers in Multiple Criteria Decision Aiding, In proc. of *EUSFLAT-LFA 2005*, Barcelona, Spain, 6-9 September 2005, 210 - 215, 2005.
6. B. Vaillant, P. Meyer, E. Prudhomme, S. Lallich, P. Lenca, S. Bigaret, Mesurer l'intérêt des règles d'association, In proc. of the *Atelier Qualité des Données et des Connaissances (associated to the conference Extraction et Gestion des Connaissances (EGC) 2005)*, Paris, France, 18 January 2005, 69 - 78, 2005.
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8. P. Meyer, M. Roubens, Ordinal Sorting in the Presence of Interacting Points of View:TOMASO. In proc. of the *25th Linz Seminar on Fuzzy Set Theory, Mathematics of Fuzzy Systems*, Linz, February 3-7 2004, 144-152, 2004.
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10. F. Boniver, P. Meyer, MIKADO (Market Investigation and Knowledge Acquisition through Data Observation): First results and perspectives, In proc. of *Human Centered Processes (HCP) 2003* (R. Bisdorff, editor), Luxembourg, Luxembourg, 5-7 May 2003, 181-185, 2003.
11. P. Lenca, P. Meyer, B. Vaillant, P. Picouet, S. Lallich, Critères d'évaluation des mesures de qualité en ECD, In proc. of *XXXV Journées de Statistique*, Lyon, France, 2 - 6 June 2003, 647-650, 2003.

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1. M. Grabisch, I. Kojadinovic, P. Meyer, 'Kappalab', a GNU R package for capacities and non-additive integral manipulation, *EUSFLAT Newsletter*, Vol. 3, No. 1, April, 2007.
2. M. Grabisch, I. Kojadinovic, P. Meyer, Overview of 'Kappalab', a toolbox for capacities and non-additive integral manipulation, *Newsletter of the EURO Working Group Multicriteria Aid for Decisions*, Series 3, Number 12, 16-19, 2005.

3. J.-L. Marichal, P. Meyer, M. Roubens, Multiple Criteria Sorting : TOMASO, A Solution in the Presence of Interacting Points of View, *Newsletter of the EURO Working Group Multicriteria Aid for Decisions*, Series 3, Number 9, 10-12, 2004.

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1. P. Meyer, G. Ponthière, Eliciting preferences on multiattribute societies: an application of the Kappalab plugin, *Third Decision Deck Workshop*, Coimbra, Portugal, 16-17 June 2008.
2. P. Meyer, R. Bisdorff, J.L. Marichal, Disaggregation of bipolar-valued outranking relations and application to the inference of model parameters. *19th International Conference on Multiple Criteria Decision Making (MCDM 2008)*, Auckland, New Zealand, 7 - 12 January 2008.
3. P. Meyer, R. Bisdorff, J.-L. Marichal, Disaggregation of bipolar-valued outranking relations and application to the inference of model parameters, *38th Meeting of the European Mathematical Psychology Group (EMPG 2007)*, Luxembourg, 10-13 September 2007.
4. R. Bisdorff, P. Meyer, On the “fixation of belief” semantics and the rank of outranking digraphs, *38th Meeting of the European Mathematical Psychology Group (EMPG 2007)*, Luxembourg, 10-13 September 2007.
5. P. Meyer, R. Bisdorff, Solving the k-choice problem in a progressive context, *22nd European Conference on Operational Research*, Prague, Czech Republic, 8-11 July 2007.
6. P. Meyer, R. Bisdorff, M. Roubens, Pragmatic and logical foundations of the RUBY method for the recommendation of a best choice from a bipolar valued outranking relation, *37th Meeting of the European Mathematical Psychology Group (EMPG 2006)*, Brest, France, 11-13 September 2006.
7. P. Meyer, M. Grabisch, I. Kojadinovic, Kappalab: an R package for Choquet Integral based MAUT, *EURO XXI*, Reykjavik, Iceland, 2-5 July 2006.
8. R. Bisdorff, P. Meyer, RuBy: a new methodology for the best choice problematics, *EURO XXI*, Reykjavik, Iceland, 2-5 July 2006.
9. P. Meyer, C. Lamboray, R. Bisdorff, J.-L. Marichal, Decision Mathematics at the University of Luxembourg (Poster), *EURO XXI*, Reykjavik, Iceland, 2-5 July 2006,
10. P. Meyer, R. Bisdorff, M. Roubens, The RuBy method for the recommendation of a best choice from a bipolar valued outranking relation, *Seminar at the Dept. of Mathematics*, Tampere University of Technology, Finland, 17 April 2006.
11. P. Meyer, M. Grabisch, I. Kojadinovic, Kappalab : an R package for Choquet integral based MAUT, *63rd meeting of the EURO Working Group Multicriteria Aid for Decisions*, Porto, Portugal, 30-31 March 2006.
12. R. Bisdorff, P. Meyer, Exploitation en problématique de choix d’une relation de surclassement évaluée : La méthode RuBy, *7ème congrès de la Société Française de Recherche Opérationnelle et d’Aide à la Décision (ROADEF)*, Lille, France, 6 - 8 February 2006.
13. R. Bisdorff, P. Meyer, RuBy: A new methodology for the best choice problematics, *ORBEL20*, Gent, Belgium, 19-20 January 2006.
14. P. Meyer, M. Roubens, On a fuzzy extension of the Choquet integral for ranking in Multiple Criteria Decision Aiding, *IFORS Triennial 2005*, Honolulu, Hawaii, 10-15 July 2005.
15. P. Meyer, On the use of the Choquet integral with fuzzy numbers in Multiple Criteria Decision Aiding, *SMA seminar*, University of Luxembourg, Luxembourg, 12 May 2005.
16. P. Meyer, Introduction to Multiple Criteria Decision Aiding, *Les midis de la science*, University of Luxembourg, Luxembourg, 11 & 14 April 2005.
17. P. Meyer, Use of an ordinal sorting technique (TOMASO) in stock selection, *59th meeting of the EURO Working Group Multicriteria Aid for Decisions*, Brest, France, 29-30 April 2004.

18. P. Meyer, Multiple Criteria Decision Aiding for the Selection of Quality Indexes of Association Rules, *Séminaire FNRS Recherche opérationnelle et aide à la décision multicritère*, Brussels, Belgium, 23 May 2003.
19. P. Meyer, TOMASO: a tool for ordered multiattribute sorting and ordering, *Seminar of the Department of Information and Knowledge Engineering*, University of Economics, Prague, Czech Republic, March 2003.
20. P. Meyer, MIKADO: Market Investigation and Knowledge Acquisition through Data Observation, *Seminar of the Department of Information and Knowledge Engineering*, University of Economics, Prague, Czech Republic, March 2003.
21. P. Meyer, Introduction to Rough Sets, TOMASO and Quality of Decision Rules, *Seminar of the IASC Department*, ENST Bretagne, Brest, France, June 2002.
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23. P. Meyer, M. Roubens, La méthode TOMASO, *Seminar of the Department for Mathematics, Operational Research, Statistics and Information Systems*, Free University of Brussels (VUB), Brussels, Belgium, 2001.
24. P. Meyer, M. Roubens, La méthode et le logiciel TOMASO, *Séminaire FNRS Recherche opérationnelle et aide à la décision multicritère*, Brussels, Belgium, May 2001.
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