

# A (selected) list of publications

of Barbara Vantaggi

1. G. Coletti, D. Petturiti, B. Vantaggi, When upper conditional probabilities are conditional possibility measures, *Fuzzy Sets and Systems* (2016) <http://dx.doi.org/10.1016/j.fss.2016.02.015>.

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2. G. Coletti, D. Petturiti, B. Vantaggi, Conditional belief functions as lower envelopes of conditional probabilities in a finite setting, *Inf. Sci.* 339 (2016) 64–84.

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3. G. Coletti, D. Petturiti, B. Vantaggi (2015). Rationality principles for preferences on belief functions. *KYBERNETIKA* 51 p. 486–507.

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4. D. Calvetti, A. Pascarella, F. Pitolli, B. Vantaggi (2015) A hierarchical Krylov-Bayes iterative inverse solver for MEG with physiological preconditioning. *INVERSE PROBLEMS* 31-125005

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Coletti, R. Scozzafava, B. Vantaggi (2015). Possibilistic and probabilistic logic under coherence: default reasoning and System P. *MATHEMATICA SLOVACA* 65(4) p. 863–890.

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5. G. Coletti, D. Petturiti, B. Vantaggi (2014). Bayesian inference: the role of coherence to deal with a prior belief function. *STATISTICAL METHODS & APPLICATIONS* 23(4) p. 519–545

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6. A. Capotorti, G. Coletti, B. Vantaggi (2014). Standard and nonstandard representability of positive uncertainty orderings. *KYBERNETIKA* 50 p. 189–215

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7. G. Coletti, D. Petturiti, B. Vantaggi (2014). Possibilistic and probabilistic likelihood functions and their extensions: Common features and specific characteristics. *FUZZY SETS AND SYSTEMS* 250 p. 25–51

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8. G. Coletti, R. Scozzafava, B. Vantaggi (2014). Do inferential processes affect uncertainty frameworks? *FUZZY SETS AND SYSTEMS* 16 p. 3–20

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9. E. Stanghellini, B. Vantaggi (2013) Identification of discrete concentration graph models with one hidden binary variable. (pdf) *BERNOULLI* 19(5A) p. 1920–1937.

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10. A. Ferrero, M. Prioli, S. Salicone, B. Vantaggi (2013). A 2-D Metrology-Sound Probability–Possibility Transformation. (pdf) *IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT*, 62(5) p. 982 - 990.

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11. G. Coletti, R. Scozzafava, B. Vantaggi (2013) Inferential processes leading to possibility and necessity. (pdf) *INFORMATION SCIENCES*, 245 (1) p. 132-145.

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12. M. Baiocchi, D. Petturiti, B. Vantaggi (2013). Qualitative combination of independence models. *LECTURE NOTES LNAI* 7958, p.37–48.

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13. G. Coletti, D. Petturiti, B. Vantaggi (2013). Independence in possibility theory under different triangular norms. LECTURE NOTES LNAI 7958, p.133–144.

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14. G. Coletti, B. Vantaggi (2013). Hybrid models: probabilistic and fuzzy information. (pdf) Synergies of Soft Computing and Statistics for Intelligent Data Analysis In Kruse, R.; Berthold, M.R.; Moewes, C.; Gil, M.A.; Grzegorzewski, P.; Hryniewicz, O. (Eds.) Advances in Intelligent Systems and Computing p. 63-72.

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15. G. Coletti, O. Gervasi, S. Tasso, B. Vantaggi (2012). Generalized Bayesian inference in a fuzzy context: From theory to a virtual reality application. (pdf) COMPUTATIONAL STATISTICS & DATA ANALYSIS, vol. 56, p. 967-980.

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16. G. Coletti, R. Scozzafava, B. Vantaggi (2012). Coherence for Uncertainty Measures Given through  $\oplus$ -Basic Assignments Ruled by General Operations. (pdf) In: Greco et al.. Advances in Computational Intelligence. vol. CCIS 297-300, p. 168-177, Heidelberg:Springer.

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17. A. Brozzi, A. Capotorti, B. Vantaggi (2012). Incoherence correction strategies in statistical matching. (pdf) INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, vol. 53, p. 1124-1136.

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18. M. Baioletti, G. Busanello, B. Vantaggi (2011). Acyclic directed graphs representing independence models. (pdf) INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, vol. 52(2), p. 2-18.

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19. M. Baioletti, G. Busanello, B. Vantaggi (2011). Exploiting independencies to compute semigraphoid and graphoid structures. (pdf) INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, vol. 52(5), p. 565-579.

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20. M. Baioletti, G. Coletti, D. Petturiti, B. Vantaggi (2011). Inferential models and relevant algorithms in a possibilistic framework. (pdf) INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, vol. 52(5), p. 580-598.

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21. G. Busanello, G. Coletti, B. Vantaggi (2010). Independence and conditional decomposable information measures. (pdf) INTERNATIONAL JOURNAL OF UNCERTAINTY, FUZZINESS AND KNOWLEDGE BASED SYSTEMS, vol. 18, p. 225-246.

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23. G. Busanello, B. Vantaggi (2010). Inferential rules for weak graphoid. (pdf) In: Borgelt et al.. Combining soft computing and statistical methods in data analysis. vol. 77, p. 57-64, Springer Verlag.

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25. M. Baioletti, G. Busanello, B. Vantaggi (2009). Conditional independence structure and its closure: inferential rules and algorithms. (pdf) INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, vol. 50, p. 1097-1114.

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26. R. Scozzafava, B. Vantaggi (2009). Fuzzy Inclusion and Similarity through Coherent Conditional Probability. (pdf) FUZZY SETS AND SYSTEMS, vol. 160, p. 292-305.

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28. A. Capotorti, G. Coletti, B. Vantaggi (2008). Preferences representable by a lower expectation: some characterizations. (pdf) THEORY AND DECISION, vol. 64, p. 119-146.

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29. B. Vantaggi (2008). Statistical matching of multiple sources: a look through coherence. (pdf) INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, vol. 49, p. 701-711.

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30. G. Coletti, B. Vantaggi (2008). A view on conditional measures through local representability of binary relations. (pdf) INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, vol. 47, p. 268-283.

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31. G. Coletti, L. Paulon, R. Scozzafava, B. Vantaggi (2007). Measuring the quality of health-care services: a likelihood-based fuzzy modeling approach. (pdf) In: K. Mellouli. Symbolic and Quantitative Approaches to Reasoning with Uncertainty. vol. LNAI 4724, p. 853-864, Springer.

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32. D. Dubois, H. Fargier, B. Vantaggi (2007). An axiomatization of conditional possibilistic preference functionals. (pdf) In: K. Mellouli. Symbolic and Quantitative Approaches to Reasoning with Uncertainty. vol. LNAI 4724, p. 803-815, Springer.

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33. G. Coletti, B. Vantaggi (2007). Comparative models ruled by possibility and necessity: a conditional world. (pdf) INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, vol. 45, p. 341-363.

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37. B. Vantaggi (2005). The role of coherence for handling probabilistic evaluations and conditional independence. (pdf) SOFT COMPUTING, vol. 69(8), p. 617-628.

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38. R. Scozzafava, B. Vantaggi (2004). The role of zero probabilities in dealing with zero frequency problems. In LOPEZ-DIAZ M.; GIL M.A.; GRZEGORZEWSKI P.; HYRNIEWICZ O.; LAWRY J.. Soft Methodology and Random Information Systems. p. 265-272, Springer-Verlag.

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39. A. Capotorti, L. Galli, B. Vantaggi (2003). Locally strong coherence and inference with lower-upper probabilities. (pdf) SOFT COMPUTING, vol. 7, p. 280-287.

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42. M. Baioletti, A. Capotorti, S. Tulipani, B. Vantaggi (2002). Simplification Rules for the Coherent Probability Assessment Problem. (pdf) ANNALS OF MATHEMATICS AND OF ARTIFICIAL INTELLIGENCE, vol. 35, p. 11-28.

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45. B. Vantaggi (2001). Conditional independence in a finite coherent setting. (pdf) ANNALS OF MATHEMATICS AND OF ARTIFICIAL INTELLIGENCE, vol. 32, p. 287-314.

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46. G. Coletti, R. Scozzafava, B. Vantaggi (2001). Probabilistic reasoning as a general unifying tool. In S. Benferhat, P. Besnard. Symbolic and Quantitative Approaches to Reasoning with Uncertainty. vol. LNAI 2143, p. 120-131, Springer.

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49. A. Capotorti, B. Vantaggi (2000). Relationships Among Ordinal Relations on a Finite Set of Events. In B. BOUCHON-MEUNIER; R.R. YAGER; L.A. ZADEH. Information, Uncertainty and Fusion. p. 447-458, DORDRECHT:Kluwer.

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