

A. P. DAWID

Publications

- [1] Dawid, A. P. (1970). On the limiting normality of posterior distributions. *Proc. Cam. Phil. Soc.* **67**, 625–633.
- [2] Stone, M. and Dawid, A. P. (1972). Expectation consistency of inverse probability distributions. *Biometrika* **59**, 486–489.
- [3] Dawid, A. P. and Stone, M. (1972). Un-Bayesian implications of improper Bayes inference in routine statistical problems. *Biometrika* **59**, 369–375.
- [4] Dawid, A. P. and Stone, M. (1973). Expectation consistency and generalized Bayes inference. *Ann. Statist.* **1**, 478–485.
- [5] Dawid, A. P. (1973). Posterior expectations for large observations. *Biometrika* **60**, 664–667.
- [6] Dawid, A. P., Stone, M. and Zidek, J. V. (1973). Marginalization paradoxes in Bayesian and structural inference (with Discussion). *J. Roy. Statist. Soc. B* **35**, 189–233.
- [7] Dawid, A. P. (1975). Invited discussion of ‘Defining the curvature of a statistical problem (with applications to second-order efficiency)’, by B. Efron. *Ann. Statist.* **3**, 1231–1234.
- [8] Dawid, A. P. (1975). On the concepts of sufficiency and ancillarity in the presence of nuisance parameters. *J. Roy. Statist. Soc. B* **37**, 248–258.
- [9] Dawid, A. P. (1976). Properties of diagnostic data distributions. *Biometrics* **32**, 647–658.
- [10] Dawid, A. P. (1976). Invited discussion of ‘Plausibility inference’, by O. E. Barndorff-Nielsen. *J. Roy. Statist. Soc. B* **39**, 123–125.
- [11] Dawid, A. P. (1977). Conformity of inference patterns. *Recent Developments in Statistics*, edited by J. R. Barra, B. van Cutsen, F. Brodeau and G. Romier. North-Holland Press, 245–256.
- [12] Dawid, A. P. (1977). Invariant distributions and analysis of variance models. *Biometrika* **64**, 291–297.
- [13] Dawid, A. P. (1977). Spherical matrix distributions and a multivariate model. *J. Roy. Statist. Soc. B* **39**, 254–261.
- [14] Dawid, A. P. (1977). Further comments on some comments on a paper by Bradley Efron. *Ann. Statist.* **5**, 1249.
- [15] Dawid, A. P. and Dickey, J. M. (1977). Likelihood and Bayesian inference from selectively reported data. *J. Amer. Statist. Assoc.* **72**, 845–850.
- [16] Brooks, R. J., Dawid, A. P., Galbraith, J. I., Galbraith, R. F., Smith, A. F. M. and Stone, M. (1978). A note on forecasting car ownership. *J. Roy. Statist. Soc. A* **141**, 64–68.
- [17] Dawid, A. P. (1978). Extendibility of spherical matrix distributions. *J. Multivariate Anal.* **8**, 559–566.
- [18] Dawid, A. P. and Skene, A. M. (1979). Maximum likelihood estimation of observer error rates using the EM algorithm. *J. Roy. Statist. Soc. C (Applied Statistics)* **28**, 20–28.
- [19] Dawid, A. P. (1979). Conditional independence in statistical theory (with Discussion). *J. Roy. Statist. Soc. B* **41**, 1–31.
- [20] Dawid, A. P. (1979). Some misleading arguments involving conditional independence. *J. Roy. Statist. Soc. B* **41**, 249–252.
- [21] Dawid, A. P., Stone, M. and Zidek, J. V. (1980). Comments on Jaynes’ paper ‘Marginalization and prior probabilities’. *Bayesian Analysis in Econometrics and Statistics: Essays in Honor of Harold Jeffreys*, edited by A. Zellner. North-Holland Publishing Company, 79–82.
- [22] Dawid, A. P. (1980). Conditional independence for statistical operations. *Ann. Statist.* **8**, 598–617.
- [23] Dawid, A. P. (1980). A Bayesian look at nuisance parameters (with Discussion). *Bayesian Statistics*, edited by J. M. Bernardo, M. H. DeGroot, D. V. Lindley and A. F. M. Smith. University of Valencia Press, 167–184.

- [24] Dawid, A. P. (1980). Invited discussion of ‘Sampling and Bayes’ inference in scientific modelling and robustness’, by G. E. P. Box. *J. Roy. Statist. Soc. A* **143**, 406–408.
- [25] Dawid, A. P. (1981). Some matrix-variate distribution theory: notational considerations and a Bayesian application. *Biometrika* **68**, 265–274.
- [26] Dawid, A. P. and Guttman, I. (1981). Conjugate Bayesian inference for structural models. *Comm. Stat.—Theory Methods A* **10**, 739–748.
- [27] Dawid, A. P. (1982). Intersubjective statistical models. *Exchangeability in Probability and Statistics*, edited by G. Koch and F. Spizzichino. North-Holland Publishing Company, 217–232.
- [28] Dawid, A. P. (1982). The well-calibrated Bayesian (with Discussion). *J. Amer. Statist. Ass.* **77**, 605–613. Reprinted in: *Probability Concepts, Dialogue and Beliefs*, edited by O. F. Hamouda and J. C. R. Rowley. Edward Elgar Publishing Ltd. (1997), 165–173.
- [29] Dawid, A. P. and Stone, M. (1982). The functional-model basis of fiducial inference (with Discussion). *Ann. Statist.* **10**, 1054–1074.
- [30] Dawid, A. P. (1982). Invited discussion of ‘The statistical analysis of compositional data’, by J. Aitchison. *J. Roy. Statist. Soc. B* **44**, 162–163.
- [31] Dawid, A. P. (1983). Inference, Statistical: I. *Encyclopedia of Statistical Sciences* vol. 4, edited by S. Kotz, N. L. Johnson and C. B. Read. Wiley-Interscience, 89–105.
- [32] Dawid, A. P. (1983). Invariant Prior Distributions. *Encyclopedia of Statistical Sciences* vol. 4, edited by S. Kotz, N. L. Johnson and C. B. Read. Wiley-Interscience, 228–236.
- [33] Dawid, A. P. and Smith, A. F. M., Eds. (1983). *Practical Bayesian Statistics*. Longman.
- [34] Dawid, A. P. (1984). Causal inference from messy data. (Invited discussion of ‘The nature and discovery of structure’, by J. W. Pratt and R. Schlaifer). *J. Amer. Statist. Ass.* **79**, 22–24. Reprinted in: *The Methodology of Econometrics* vol. I, edited by D. J. Poirier. Edward Elgar Publishing Ltd. (1994), 368–370.
- [35] Dawid, A. P. (1984). Present position and potential developments: some personal views. Statistical theory. The prequential approach (with Discussion). *J. Roy. Statist. Soc. A* **147**, 278–292.
- [36] Dawid, A. P. (1984). Invited discussion of ‘Extreme point models in Statistics’, by S. L. Lauritzen. *Scand. J. Statist.* **11**, 85.
- [37] Dawid, A. P. (1985). Probability, symmetry and frequency. *Brit. J. Phil. Sci.* **36**, 107–128.
- [38] Consonni, G. and Dawid, A. P. (1985). Invariant normal Bayesian linear models and experimental designs. *Bayesian Statistics 2*, edited by J. M. Bernardo, M. H. DeGroot, D. V. Lindley and A. F. M. Smith. Elsevier Science Publishers B. V., 629–644.
- [39] Dawid, A. P. (1985). The impossibility of inductive inference. (Invited discussion of ‘Self-calibrating priors do not exist’, by D. Oakes.) *J. Amer. Statist. Ass.* **80**, 340–341.
- [40] Consonni, G. and Dawid, A. P. (1985). Decomposition and Bayesian analysis of invariant normal linear models. *Linear Algebra Appl.* **70**, 21–49.
- [41] Dawid, A. P. (1985). Invariance and independence in multivariate distribution theory. *J. Multivariate Anal.* **17**, 304–315.
- [42] Dawid, A. P. (1985). Calibration-based empirical probability (with Discussion). *Ann. Statist.* **13**, 1251–1285. Reprinted in: *Probability Concepts, Dialogue and Beliefs*, edited by O. F. Hamouda and J. C. R. Rowley. Edward Elgar Publishing Ltd. (1997), 174–208.
- [43] Dickey, J. M., Dawid, A. P. and Kadane, J. B. (1986). Subjective-probability assessment methods for multivariate- t and matrix- t models. *Bayesian Inference and Decision Techniques*, edited by P. K. Goel and A. Zellner, Chapter 12. Elsevier Science Publishers B. V., 177–195.
- [44] Dawid, A. P. (1986). A Bayesian view of statistical modelling. *Bayesian Inference and Decision Techniques*, edited by P. K. Goel and A. Zellner, Chapter 25. Elsevier Science Publishers B. V., 391–404.
- [45] Dawid, A. P. (1986). Probability Forecasting. *Encyclopedia of Statistical Sciences* vol. 7, edited by S. Kotz, N. L. Johnson and C. B. Read. Wiley-Interscience, 210–218.
- [46] Dawid, A. P. (1986). Invited discussion of ‘On the consistency of Bayes estimates’, by P. Diaconis and D. Freedman. *Ann. Statist.* **14**, 40–41.

- [47] Dawid, A. P. (1986). Invited discussion of ‘On principles and arguments to likelihood’, by M. Evans, D. A. S. Fraser and G. Monette. *Can. J. Statist.* **14**, 196–197.
- [48] Dawid, A. P. and Smith, A. F. M., Eds. (1987). *Practical Bayesian Statistics*. (Special issue of *The Statistician*, vol. **36**, nos. 2–3.)
- [49] Dawid, A. P. (1987). The difficulty about conjunction. *The Statistician* **36**, 91–97.
- [50] Dawid, A. P. (1987). Invited discussion of ‘Savage revisited’, by G. Shafer. *Statistical Science* **1**, 488–492.
- [51] Dawid, A. P. (1987). Invited discussion of ‘Estimation and inference by compact coding’, by C. S. Wallace and P. R. Freeman, and ‘Stochastic complexity’, by J. Rissanen. *J. Roy. Statist. Soc. B* **49**, 253–254.
- [52] Dawid, A. P. (1988). Symmetry models and hypotheses for structured data layouts (with Discussion). *J. Roy. Statist. Soc. B* **50**, 1–34.
- [53] Dawid, A. P. (1988). The infinite regress and its conjugate analysis (with Discussion). *Bayesian Statistics 3*, edited by J. M. Bernardo, M. H. DeGroot, D. V. Lindley and A. F. M. Smith. Oxford University Press, 95–110.
- [54] Dawid, A. P. and Gillies, D. A. (1989). A Bayesian analysis of Hume’s argument concerning miracles. *Philosophical Quarterly* **39**, 57–65.
- [55] Lauritzen, S. L., Dawid, A. P., Larsen, B. N. and Leimer, H. G. (1990). Independence properties of directed Markov fields. *Networks* **20**, 491–505.
- [56] Dawid, A. P. (1991). Fisherian inference in likelihood and prequential frames of reference (with Discussion). *J. Roy. Statist. Soc. B* **53**, 79–109.
- [57] Royal Statistical Society Working Party (1991). Statistics and statisticians in drug regulation in the United Kingdom. *J. Roy. Statist. Soc. A* **154**, 413–419.
- [58] Hutchinson, T. A., Dawid, A. P., Spiegelhalter, D. J., Cowell, R. G. and Roden, S. (1991). Computer aids for probabilistic assessment of drug safety. I. A spreadsheet program. *Drug Information Journal* **25**, 29–39.
- [59] Hutchinson, T. A., Dawid, A. P., Spiegelhalter, D. J., Cowell, R. G. and Roden, S. (1991). Computer aids for probabilistic assessment of drug safety. II. An expert system. *Drug Information Journal* **25**, 41–48.
- [60] Dawid, A. P. (1991). Probability and proof: some basic concepts. Appendix to *Analysis of Evidence*, by T. J. Anderson and W. L. Twining. Weidenfeld and Nicolson, 389–435.
- [61] Cowell, R. G., Dawid, A. P., Hutchinson, T. A. and Spiegelhalter, D. J. (1991). A Bayesian expert system for the analysis of an adverse drug reaction. *Artificial Intelligence in Medicine* **3**, 257–270.
- [62] Spiegelhalter, D. J., Dawid, A. P., Hutchinson, T. A. and Cowell, R. G. (1991). Probabilistic expert systems and graphical modelling: a case study in drug safety. *Phil. Trans. R. Soc. Lond.* **337**, 387–405.
- [63] Dawid, A. P. (1992). Applications of a general propagation algorithm for probabilistic expert systems. *Statistics and Computing* **2**, 25–36.
- [64] Cowell, R. G. and Dawid, A. P. (1992). Fast retraction of evidence in a probabilistic expert system. *Statistics and Computing* **2**, 37–40.
- [65] Dawid, A. P. (1992) Prequential data analysis. In *Current Issues in Statistical Inference: Essays in Honor of D. Basu*, edited by M. Ghosh and P. K. Pathak. IMS Lecture Notes–Monograph Series **17**, 113–126.
- [66] Bernardo, J. M., Berger, J. O., Dawid, A. P. and Smith, A. F. M., Eds. (1992). *Bayesian Statistics 4*. Oxford University Press.
- [67] Dawid, A. P. (1992). Prequential analysis, stochastic complexity and Bayesian inference (with Discussion). *Bayesian Statistics 4*, edited by J. M. Bernardo, J. O. Berger, A. P. Dawid and A. F. M. Smith. Oxford University Press, 109–125.
- [68] Dawid, A. P. and Fang, B. Q. (1992). Conjugate Bayes discrimination with infinitely many variables. *J. Mult. Anal.* **41**, 27–42.
- [69] Seillier-Moiseiwitsch, F., Sweeting, T. J. and Dawid, A. P. (1992). Prequential tests of model fit. *Scand. J. Statist.* **19**, 45–60.

- [70] Dawid, A. P. (1993). Invited discussion of ‘The logic of probability’, by V. G. Vovk. *J. Roy. Statist. Soc. B* **55**, 341–343.
- [71] Seillier-Moiseiwitsch, F. and Dawid, A. P. (1993). On testing the validity of sequential probability forecasts. *J. Amer. Statist. Ass.* **88**, 355–359.
- [72] Cowell, R. G., Dawid, A. P. and Spiegelhalter, D. J. (1993). Sequential model criticism in probabilistic expert systems. *IEEE Trans. Pattern Recognition and Machine Intelligence* **15**, 209–219.
- [73] Fang, B. Q. and Dawid, A. P. (1993). Asymptotic properties of conjugate Bayes discrete discrimination. *J. Mult. Anal.* **46**, 83–96.
- [74] Spiegelhalter, D. J., Dawid, A. P., Lauritzen, S. L. and Cowell, R. G. (1993). Bayesian analysis in expert systems (with Discussion). *Statistical Science* **8**, 219–283.
- [75] Dawid, A. P. (1993). Taking prediction seriously. *Bull. I. S. I.* **55**, Book 3, 3–13.
- [76] Dawid, A. P. and Wang, J. (1993). Fiducial prediction and semi-Bayesian inference. *Ann. Statist.* **21**, 1119–1138.
- [77] Dawid, A. P. and Lauritzen, S. L. (1993). Hyper Markov laws in the statistical analysis of decomposable graphical models. *Ann. Statist.* **21**, 1272–1317. (Correction: *Ann. Statist.* **23** (1995), 1864.)
- [78] Cowell, R. G., Dawid, A. P., Hutchinson, T. A., Roden, S. and Spiegelhalter, D. J. (1993). Bayesian networks for the analysis of drug safety. *The Statistician* **42**, 369–384.
- [79] Dawid, A. P. (1994). Foundations of probability. *Companion Encyclopedia of the History and Philosophy of the Mathematical Sciences*, edited by I. Grattan-Guinness. Routledge, Vol. 2, 1399–1406.
- [80] Dawid, A. P. (1994). The island problem: coherent use of identification evidence. Chapter 11 of *Aspects of Uncertainty: A Tribute to D. V. Lindley*, edited by P. R. Freeman and A. F. M. Smith. J. Wiley, 159–170.
- [81] Dawid, A. P. (1994). Selection paradoxes of Bayesian inference. In *Multivariate Analysis and its Applications*, edited by T. W. Anderson, K. T. Fang and I. Olkin. IMS Lecture Notes-Monograph Series **24**, 211–220.
- [82] Dawid, A. P., Kjaerulff, U. and Lauritzen, S. L. (1995). Hybrid propagation in junction trees. In *Advances in Intelligent Computing — IPMU 94*, edited by B. Bouchon-Meunier, R. R. Yager and L. A. Zadeh. Springer-Verlag Lecture Notes in Computer Science **945**, 87–97.
- [83] Dawid, A. P., DeGroot, M. H. and Mortera, J. (1995). Coherent combination of experts’ opinions (with Discussion). *TEST* **4**, 263–313.
- [84] Dawid, A. P. (1995). Invited discussion of ‘Causal diagrams for empirical research’, by J. Pearl. *Biometrika* **82**, 689–690.
- [85] Dawid, A. P. and Mortera, J. (1996). Coherent analysis of forensic identification evidence. *J. Roy. Statist. Soc. B* **58**, 425–443.
- [86] Bernardo, J. M., Berger, J. O., Dawid, A. P. and Smith, A. F. M., Eds. (1996). *Bayesian Statistics 5*. Oxford University Press.
- [87] Cowell, R. G., Dawid, A. P. and Sebastiani, P. (1996). A comparison of sequential learning methods for incomplete data. *Bayesian Statistics 5*, edited by J. M. Bernardo, J. O. Berger, A. P. Dawid and A. F. M. Smith. Oxford University Press, 533–541.
- [88] Fang, B. Q. and Dawid, A. P. (1996). Comparison of full Bayes and Bayes-least squares criteria for normal discrimination. *Chinese J. Applied Prob. and Stat.* **12**, 401–410.
- [89] Dawid, A. P. (1996). Invited discussion of ‘Markov random field priors for univariate density estimation’, by R. L. Wolpert and M. Lavine. In *Bayesian Robustness*, edited by J. O. Berger, B. Betrò, E. Moreno, L. R. Pericchi, F. Ruggeri, G. Salinetti, and L. Wasserman. IMS Lecture Notes-Monograph Series **29**, 267–268.
- [90] Dawid, A. P. and Evett, I. W. (1997). Using a graphical method to assist the evaluation of complicated patterns of evidence. *J. Forensic Sci.* **42**, 226–231.
- [91] Dawid, A. P. (1997). Prequential analysis. *Encyclopedia of Statistical Sciences*, Update Volume 1, edited by S. Kotz, C. B. Read and D. L. Banks. Wiley-Interscience, 464–470.
- [92] Dawid, A. P. (1997). Invited discussion of ‘Non-informative priors do not exist. A dialogue with José M. Bernardo’. *J. Statist. Plan. Inf.* **65**, 178–180.

- [93] Dawid, A. P. (1998). Conditional independence. *Encyclopedia of Statistical Sciences*, Update Volume 2, edited by S. Kotz, C. B. Read and D. L. Banks. Wiley-Interscience, 146–155.
- [94] Dawid, A. P. (1998). Modelling issues in forensic inference. In *1997 ASA Proceedings, Section on Bayesian Statistics*, 182–6.
- [95] Skouras, K. and Dawid, A. P. (1998). On efficient point prediction systems. *J. Roy. Statist. Soc. B* **60**, 765–780.
- [96] Dawid, A. P. and Mortera, J. (1998). Forensic identification with imperfect evidence. *Biometrika* **85**, 835–849. (Correction: *Biometrika* **86** (1999), 974.)
- [97] Dawid, A. P. and Evett, I. W. (1998). Authors’ response to ‘Commentary on Dawid, A. P. and Evett, I. W. Using a graphical method to assist the evaluation of complicated patterns of evidence. *J. Forensic Sci.* (1997) Mar; 42(2): 226–231.’ by Ira J. Rimson. *J. Forensic Sci.* **43**, 251.
- [98] Dawid, A. P. and Studený, M. (1999). Conditional products: An alternative approach to conditional independence. In *Artificial Intelligence and Statistics 99*, edited by D. Heckerman and J. Whittaker. Morgan Kaufmann, 32–40.
- [99] Dawid, A. P. and Vovk, V. G. (1999). Prequential probability: Principles and properties. *Bernoulli* **5**, 125–162.
- [100] Bernardo, J. M., Berger, J. O., Dawid, A. P. and Smith, A. F. M., Eds. (1999). *Bayesian Statistics 6*. Oxford University Press.
- [101] Dawid, A. P. and Pueschel, J. (1999). Hierarchical models for DNA profiling using heterogeneous databases (with Discussion). *Bayesian Statistics 6*, edited by J. M. Bernardo, J. O. Berger, A. P. Dawid and A. F. M. Smith. Oxford University Press, 187–212.
- [102] Cowell, R. G., Dawid, A. P., Lauritzen, S. L. and Spiegelhalter, D. J. (1999). *Probabilistic Networks and Expert Systems*. Springer, xii + 321 pp.
- [103] Dawid, A. P. and Sebastiani, P. (1999). Coherent dispersion criteria for optimal experimental design. *Ann. Statist.* **27**, 65–81.
- [104] Dawid, A. P. (1999). Who needs counterfactuals? Chapter 3 of *Causal Models and Intelligent Data Management*, edited by A. Gammerman. Springer-Verlag, 33–50.
- [105] Dawid, A. P., van Boxel, D. W., Mortera, J. and Pascali, V. L. (1999). Inference about disputed paternity from an incomplete pedigree using a probabilistic expert system. *Bull. Int. Statist. Inst.* **58**, *Contributed Papers* Book 1, 241–2.
- [106] Dawid, A. P. (1999). Discussion of the papers by Rissanen and by Wallace and Dowe. (Invited discussion of ‘Hypothesis Selection and Testing by the MDL Principle’, by J. Rissanen, and ‘Minimum Message Length and Kolmogorov Complexity’, by C. S. Wallace and D. L. Dowe.) *The Computer Journal* **42**, 323–326.
- [107] Skouras, K. and Dawid, A. P. (1999). On efficient probability forecasting systems. *Biometrika* **86**, 765–784.
- [108] Dawid, A. P. (2000). Causal inference without counterfactuals (with Discussion). *J. Amer. Statist. Ass.* **95**, 407–448. Reprinted without discussion in: D. Corfield and J. Williamson (Eds.), *Foundations of Bayesianism*, Kluwer Applied Logic Series (2001), 37–74.
- [109] Dawid, A. P. (2000). Invited discussion of ‘The Philosophy of Statistics’, by D. V. Lindley. *J. Roy. Statist. Soc. D* **49**, 325–326.
- [110] Dawid, A. P. (2001). Some variations on variation independence. In *Artificial Intelligence and Statistics 2001*, edited by T. Jaakkola and T. Richardson. Morgan Kaufmann, 187–191.
- [111] Dawid, A. P. (2001). Comment on Stockmarr’s ‘Likelihood ratios for evaluating DNA evidence when the suspect is found through a database search’ (with response by A. Stockmarr). *Biometrics* **57**, 976–980.
- [112] Dawid, A. P. (2001). Separoids: A mathematical framework for conditional independence and irrelevance. *Ann. Math. Artificial Intelligence* **32**, 335–372.
- [113] Dawid, A. P. and Lauritzen, S. L. (2001). Compatible prior distributions. In *Bayesian Methods with Applications to Science, Policy and Official Statistics*, edited by Edward George. Monographs of Official Statistics, Eurostat, 109–118.

- [114] Dawid, A. P., Mortera, J. and Pascali, V. L. (2001). Non-fatherhood or mutation? A probabilistic approach to parental exclusion in paternity testing. *Forensic Science International* **124**, 55–61.
- [115] Fang, B. Q. and Dawid, A. P. (2002). Nonconjugate Bayesian regression on many variables. *J. Statist. Plan. Inf.* **103**, 245–261.
- [116] Dawid, A. P. (2002). Counterfactuals: Help or hindrance? (Invited discussion of ‘Estimating Causal Effects’, by G. Maldonado and S. Greenland.) *Int. J. Epidemiology* **31**, 429–430.
- [117] Dawid, A. P. (2002). Bayes’s theorem and weighing evidence by juries. In *Bayes’s Theorem*, edited by Richard Swinburne. *Proc. Brit. Acad.* **113**, 71–90.
- [118] Dawid, A. P. (2002). Influence diagrams for causal modelling and inference. *Intern. Statist. Rev.* **70**, 161–189. Corrigenda, *ibid.*, 437.
- [119] Dawid, A. P. (2002). Invited discussion of ‘Chain graph models and their causal interpretations’, by S. L. Lauritzen and T. S. Richardson. *J. Roy. Statist. Soc. B* **64**, 348–51.
- [120] Grünwald, P. D. and Dawid, A. P. (2002). Game theory, maximum generalized entropy, minimum discrepancy, robust Bayes and Pythagoras. In *ITW 2002 – Proceedings of the 2002 IEEE Information Theory Workshop*. ISBN 0-7803-7629-3. IEEE, Bangalore, India, 94–97.
- [121] Dawid, A. P., Mortera, J., Pascali, V. L. and van Boxel, D. W. (2002). Probabilistic expert systems for forensic inference from genetic markers. *Scand. J. Statist.* **29**, 577–595. <http://tinyurl.com/2ft4ehm>
- [122] Dawid, A. P. (2003). An object-oriented Bayesian network for estimating mutation rates. In *Proceedings of the Ninth International Workshop on Artificial Intelligence and Statistics, January 3–6 2003, Key West, Florida*, edited by Christopher M. Bishop and Brendan J. Frey. ISBN 0-9727358-0-1. <http://tinyurl.com/39bmh>.
- [123] Mortera, J., Dawid, A. P. and Lauritzen, S. L. (2003). Probabilistic expert systems for DNA mixture profiling. *Theor. Pop. Biol.* **63**, 191–205.
- [124] Dawid, A. P. (2003). Causal inference using influence diagrams: The problem of partial compliance (with Discussion). In *Highly Structured Stochastic Systems*, edited by Peter J. Green, Nils L. Hjort and Sylvia Richardson. Oxford University Press, 45–81.
- [125] Bernardo, J. M., Bayarri, J. M., Berger, J. O., Dawid, A. P., Heckerman, D., Smith, A. F. M. and West, M., Eds. (2003). *Bayesian Statistics 7*. Oxford University Press.
- [126] Dawid, A. P., Mortera, J., Dobosz, M. and Pascali, V. L. (2003). Mutations and the probabilistic approach to incompatible paternity tests. In *Progress in Forensic Genetics 9 (Proceedings from the 19th Congress of the International Society for Forensic Haemogenetics)*, International Congress Series, Vol. 1239, edited by B. Brinkmann and A. Carracedo, pp. 637–8. Elsevier Science, Amsterdam.
- [127] Vicard, P. and Dawid, A. P. (2004). A statistical treatment of biases affecting the estimation of mutation rates. *Mutation Research* **547**, 19–33.
- [128] Dawid, A. P. (2004). Which likelihood ratio? (Comment on ‘Why the effect of prior odds should accompany the likelihood ratio when reporting DNA evidence’, by Ronald Meester and Marjan Sjerps). *Law, Probability & Risk* **3**, 65–71.
- [129] Grünwald, P. D. and Dawid, A. P. (2004). Game theory, maximum entropy, minimum discrepancy, and robust Bayesian decision theory. *Ann. Statist.* **32**, 1367–1433. [arXiv:math/0410076v1](http://arxiv.org/abs/math/0410076v1)
- [130] Dawid, A. P. (2004). Probability, causality and the empirical world: A Bayes–de Finetti–Popper–Borel synthesis. *Statistical Science* **19**, 44–57.
- [131] Dawid, A. P. (2005). Statistics on trial. *Significance* **2**, 6–8.
- [132] Dawid, A. P. (2005). Probability and statistics in the law. In *Proceedings of the Tenth International Workshop on Artificial Intelligence and Statistics, January 6–8 2005, Barbados*, edited by Zoubin Ghahramani and Robert G. Cowell. <http://tinyurl.com/br8f1>
- [133] Dawid, A. P. (2005). Probability and proof. On-line Appendix to *Analysis of Evidence* (Second Edition), by T. J. Anderson, D. A. Schum and W. L. Twining, Cambridge University Press (2005). <http://tinyurl.com/7g3bd>, 94 pp.
- [134] Dawid, A. P. and Lauritzen, S. L. (2006). The geometry of decision theory. *Proceedings of the Second International Symposium on Information Geometry and its Applications* (12–16 December 2005), University of Tokyo, 22–28.

- [135] Dawid, A. P., Mortera, J. and Vicard, P. (2006). Representing and solving complex DNA identification cases using Bayesian networks. In *Progress in Forensic Genetics 11 (Proceedings of the 21st International ISFG Congress)* (A. Amorim, F. Corte-Real and N. Morling, Eds.). International Congress Series, Vol. 1288. Elsevier Science, Amsterdam, 484–91.
doi:10.1016/j.ics.2005.09.115
- [136] Vicard, P and Dawid, A. P. (2006). Remarks on: “Paternity analysis in special fatherless cases without direct testing of alleged father” [Forensic Science International 146S (2004) S159–S161]. *Forensic Science International* **163**, 158–160.
doi:10.1016/j.forsciint.2005.11.016
- [137] Didelez, V., Dawid, A. P. and Geneletti, S. (2006). Direct and indirect effects of sequential treatments. In *Proc. 22nd Annual Conference on Uncertainty in Artificial Intelligence* (R. Dechter and T. S. Richardson, Eds.). AUAI Press, Arlington, Virginia, 138–146.
- [138] Dawid, A. P. (2007). Counterfactuals, hypotheticals and potential responses: a philosophical examination of statistical causality. In *Causality and Probability in the Sciences*, edited by F. Russo and J. Williamson. London: College Publications, Texts In Philosophy Series Vol. 5, 503–32.
- [139] Dawid, A. P. (2007). The geometry of proper scoring rules. *Annals of the Institute of Statistical Mathematics* **59**, 77–93.
http://www.ism.ac.jp/editsec/aism/pdf/059_1_0077.pdf
- [140] Dawid, A. P., Mortera, J. and Vicard, P. (2007). Object-oriented Bayesian networks for complex forensic DNA profiling problems. *Forensic Science International* **169**, 195–205.
doi:10.1016/j.forsciint.2006.08.028
- [141] Bernardo, J. M., Bayarri, J. M., Berger, J. O., Dawid, A. P., Heckerman, D., Smith, A. F. M. and West, M., Eds. (2007). *Bayesian Statistics 8*. Oxford University Press.
- [142] Sir Michael Rutter, Philip Dawid, Aroon Hingorani, Richard Horton, Peter Jones, Kay-Tee Khaw, Bill Kirkup, Geoff Mulgan, Catherine Peckham, Andrew Pickles, Robert Souhami and Geoff Watts (2007). *Identifying the Environmental Causes of Disease: How Should We Decide What to Believe and When to Take Action?* Working Group Report, Academy of Medical Sciences, London, 144 pp.
- [143] Hepler, A. B., Dawid, A. P. and Leucari, V. (2007). Object-oriented graphical representations of complex patterns of evidence. *Law, Probability & Risk* **6**, 275–293.
doi:10.1093/lpr/mgm005
- [144] Vicard, P., Dawid, A. P., Mortera, J. and Lauritzen S. L. (2008). Estimating mutation rates from paternity casework. *Forensic Science International: Genetics* **2**, 9–18.
doi:10.1016/j.fsigen.2007.07.002
- [145] Mortera, J. and Dawid, A. P. (2008). Probability and evidence. In *Handbook of Probability Theory with Applications*, edited by T. Rudas. Sage Publications, 403–422.
- [146] Dawid, A. P. (2008). Statistics and the law. In *Evidence*, edited by Andrew Bell, John Swenson-Wright and Karin Tybjerg. Cambridge University Press, 119–148.
doi:10.2277/0521839610
- [147] Dawid, A. P. and Didelez, V. (2008). Identifying optimal sequential decisions. In *Proc. 24th Annual Conference on Uncertainty in Artificial Intelligence* (D. McAllester and P. Myllymaki, Eds.). AUAI Press, 113–120.
<http://tinyurl.com/3899qpp>
- [148] Dawid, A. P. (2008). Comments on “Assessing probabilistic forecasts of multivariate quantities, with an application to ensemble predictions of surface winds”, by Tilmann Gneiting, Larissa I. Stanberry, Eric P. Grimit, Leonhard Held and Nicholas A. Johnson. *Test* **17**, 243–244.
doi:10.1007/s11749-008-0118-6
- [149] Dawid, A. P. and Galavotti, M. C. (2009). de Finetti’s subjectivism, objective probability, and the empirical validation of probability assessments. In *Bruno de Finetti, Radical Probabilist* (M. C. Galavotti, Ed.). London: College Publications, 97–114.
- [150] Dawid, A. P. (2010). Beware of the DAG! In *Proceedings of the NIPS 2008 Workshop on Causality*, edited by I. Guyon, D. Janzing and B. Schölkopf. *Journal of Machine Learning Research Workshop and Conference Proceedings* **6**, 59–86.
<http://tinyurl.com/33va7tm>

- [151] Dawid, A. P. (2010). Seeing and doing: The Pearlian synthesis. In *Heuristics, Probability and Causality: A Tribute to Judea Pearl* (R. Dechter, H. Geffner and J. Y. Halpern, Eds.). London: College Publications, 309–325.
- [152] Dawid, A. P., Mortera, J. and Vicard, P. (2010). Paternity testing allowing for uncertain mutation rates. In *The Oxford Handbook of Applied Bayesian Analysis* (A. O’Hagan and M. West, Eds.). Oxford University Press, 188–215.
- [153] Guo, H. and Dawid, A. P. (2010). Sufficient covariates and linear propensity analysis. In *Proceedings of the Thirteenth International Workshop on Artificial Intelligence and Statistics (AISTATS) 2010, Chia Laguna, Sardinia, Italy, May 13-15, 2010*, edited by Y. W. Teh and D. M. Titterton. *Journal of Machine Learning Research Workshop and Conference Proceedings* **9**, 281–288. <http://tinyurl.com/331muj7>
- [154] Dawid, A. P. and Didelez, V. (2010). Identifying the consequences of dynamic treatment strategies: A decision-theoretic overview. *Statistical Surveys* **4**, 184–231. doi:10.1214/10-SS081 arXiv:1010.3425
- [155] Dawid, A. P., de Rooij, S., Shafer, G., Shen, A., Vereshchagin, N. and Vovk, V. (2011). Insuring against loss of evidence in game-theoretic probability. *Statistics and Probability Letters* **81**, 157–162. doi:10.1016/j.spl.2010.10.013
- [156] Dawid, A. P. (2011). Basu on ancillarity. In *Selected Works of Debabrata Basu* (A. DasGupta, Ed.). New York: Springer, 5–8. <http://tinyurl.com/6kf2zo3>
- [157] Aitken, C. G. G. and 35 others. (2011). Guest editorial. Expressing evaluative opinions: A position statement. *Science and Justice* **51**, 1–2. doi:10.1016/j.scijus.2011.01.002
- [158] Geneletti, S. and Dawid, A. P. (2011). Defining and identifying the effect of treatment on the treated. In *Causality in the Sciences* (P. McKay Illari, F. Russo and J. Williamson, Eds.). Oxford University Press, 728–749.
- [159] Egeland, T., Dawid, A. P., Mortera, J., Mostad, P. and Tillmar, A. (2011). Comment on “DNA identification by pedigree likelihood ratio accommodating population substructure and mutations” by Ge et al (2010). *Investigative Genetics* **2**: 7. doi:10.1186/2041-2223-2-7
- [160] Dawid, A. P. (2011). Posterior model probabilities. In *Philosophy of Statistics* (P. S. Bandyopadhyay and M. Forster, Eds.). New York: Elsevier, 607–630.
- [161] Dawid, A. P. and Vicard, P. (2011). Still further remarks on: “Paternity analysis in special fatherless case without direct testing of alleged father” [Forensic Science International 146S (2004) S159–S161] and remarks on it [FSI 163 (2006) 158–160, FSI 172 (2007) e6–e8]. *Forensic Science International* **207**, e63. doi:10.1016/j.forsciint.2010.12.016
- [162] Dawid, A. P. (2011). The role of scientific and statistical evidence in assessing causality. In *Perspectives on Causation* (R. Goldberg, Ed.). Oxford: Hart Publishing, 133–147.
- [163] Dawid, A. P., Twining, W. L. and Vasilaki, D., Eds. (2011). *Evidence, Inference and Enquiry* (Proceedings of the British Academy, vol. **171**). Oxford University Press, xiv + 487 pp.
- [164] Dawid, A. P. (2011). Introduction. In *Evidence, Inference and Enquiry* (Proceedings of the British Academy, vol. **171**), edited by A. P. Dawid, W. L. Twining and D. Vasilaki, Chapter 1. Oxford University Press, 1–9.
- [165] Dawid, A. P., Hepler, A. B. and Schum, D. A. (2011). Inference networks: Bayes and Wigmore. In *Evidence, Inference and Enquiry* (Proceedings of the British Academy, vol. **171**), edited by A. P. Dawid, W. L. Twining and D. Vasilaki, Chapter 5. Oxford University Press, 119–150.
- [166] Bernardo, J. M., Bayarri, J. M., Berger, J. O., Dawid, A. P., Heckerman, D., Smith, A. F. M. and West, M., Eds. (2011). *Bayesian Statistics 9*. Oxford University Press, x + 706 pp.
- [167] Senn, S., Dawid, A. P., Christie, M. and Cliffe, A., Eds. (2011). *Simplicity, Complexity and Modelling*. J. Wiley, xiv + 205 pp.
- [168] Christie, M., Cliffe, A., Dawid, A. P. and Senn, S. (2011). Introduction. In *Simplicity, Complexity and Modelling*, edited by S. Senn, A. P. Dawid, M. Christie and A. Cliffe, Chapter 1. J. Wiley, 1–9.
- [169] Dawid, A. P. and Senn, S. (2011). Statistical model selection. In *Simplicity, Complexity and Modelling*, edited by S. Senn, A. P. Dawid, M. Christie and A. Cliffe, Chapter 2. J. Wiley, 11–33.

- [170] Christie, M., Cliffe, A., Dawid, A. P. and Senn, S. (2011). Issues for modellers. In *Simplicity, Complexity and Modelling*, edited by S. Senn, A. P. Dawid, M. Christie and A. Cliffe, Chapter 11. J. Wiley, 187–192.
- [171] Parry, M., Dawid, A. P. and Lauritzen, S. L. (2011). Proper local scoring rules. *Ann. Statist.* (to appear). [arXiv:1101.5011v1](https://arxiv.org/abs/1101.5011v1)
- [172] Dawid, A. P., Lauritzen, S. L. and Parry, M. (2011). Proper local scoring rules on discrete sample spaces. *Ann. Statist.* (to appear). [arXiv:1104.2224v1](https://arxiv.org/abs/1104.2224v1)
- [173] Baio, G. and Dawid, A. P. (2011). Probabilistic sensitivity analysis in health economics. *Statistical Methods in Medical Research* (to appear). [doi:10.1177/0962280211419832](https://doi.org/10.1177/0962280211419832)
- [174] Dawid, A. P. and Musio, M. (2012). Local scoring rules for spatial processes. *Advances in Statistical Analysis* (to appear).
- [175] Dawid, A. P. (2012). Invited discussion of ‘Catching up faster by switching sooner: A predictive approach to adaptive estimation with an application to the AIC-BIC dilemma’, by T. van Erven, P. D. Grünwald and S. de Rooij. *J. Roy. Statist. Soc. B* (to appear).
- [176] Berzuini, C., Dawid, A. P. and Bernardinelli, L., Eds. (2012). *Causality: Statistical Perspectives and Applications*. J. Wiley (to appear).
- [177] Dawid, A. P. (2011). The decision-theoretic approach to causal inference. In *Causality: Statistical Perspectives and Applications*, edited by C. Berzuini, A. P. Dawid and L. Bernardinelli, Chapter 3. J. Wiley (to appear).
- [178] Berzuini, C., Dawid, A. P. and Didelez, V. (2012). Assessing dynamic treatment strategies. In *Causality: Statistical Perspectives and Applications*, edited by C. Berzuini, A. P. Dawid and L. Bernardinelli, Chapter 8. J. Wiley (to appear).
- [179] Berzuini, C. and Dawid, A. P. (2012). Inference about biological mechanism on the basis of epidemiological data. In *Causality: Statistical Perspectives and Applications*, edited by C. Berzuini, A. P. Dawid and L. Bernardinelli, Chapter 14. J. Wiley (to appear).

Additional Research Reports can be found at: <http://tinyurl.com/2maycn/reports.html>

December 12, 2011