

PUBLICATIONS, PRESENTATIONS, OUTREACH

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PUBLICATIONS

Refereed articles

- 2015 "The philosophy of Bayes' factors", with R.D. Morey and J.N. Rouder, *Journal of Mathematical Psychology*, to appear, 2015.
- 2015 "Psychiatric comorbidity does not only depend on diagnostic thresholds: an illustration with major depressive disorder and generalized anxiety disorder", with H. van Loo, P. de Jonge, K.S. Kendler, and R.S. Schoevers, *Depression and Anxiety*, to appear.
- 2015 "Commentary: Consistent superiority of selective serotonin reuptake inhibitors over placebo in reducing depressed mood in patients with major depression", with E. Fried et al., *Frontiers in Psychiatry*, DOI 10.3389/fpsy.2015.00117.
- 2015 "Comorbidity: fact or artefact?", with H. van Loo, *Theoretical Medicine and Bioethics* 36(1), pp. 41-60.
- 2015 "A New Theory about Old Evidence", with S. Wenmackers, *Synthese*, DOI 10.1007/s11229-014-0632-x.
- 2013 "Abducted by Bayesians", *Journal of Applied Logic*, 11(4), pp. 430-439
- 2013 "Psychiatric comorbidity and causal disease models", with H.M. van Loo, P. de Jonge, R.A. Schoevers, *Preventive Medicine*, 57(6), pp. 748-752.
- 2013 "The humble Bayesian: Model checking from a fully Bayesian perspective", with R.D. Morey and J.N. Rouder, *British Journal of Mathematical and Statistical Psychology* 66 (1), pp. 68-75
- 2013 "Good Listeners, Wise Crowds, and Parasitic Experts", with T. Sterkenburg and P. Grünwald, *Analyse & Kritik* 34(2), 399-409
- 2012 "Data-driven subtypes of major depressive disorder: a systematic review", with H.M. van Loo, P. de Jonge, R.C. Kessler, and R.A. Schoevers, *BMC medicine* 10: 156
- 2012 "Conditioning and Interpretation Shifts", *Studia Logica* 100(3), pp. 583-606
- 2012 "A New Resolution of the Judy Benjamin Problem", with I. Douven, *Mind*, 120 (479), pp. 637-670
- 2012 "A Prior Predictive Loss Function for the Evaluation of Inequality Constrained Hypotheses", with R. van de Schoot and H. Hoijtink, *Journal of Mathematical Psychology*, 56(1), pp. 13-23
- 2011 "Mechanistic curiosity will not kill the Bayesian cat", with D. Borsboom and E.J. Wagenmakers, commentary to "Bayesian Fundamentalism or Enlightenment?" by Jones and Love, *Behavioural and Brain Sciences*, 34(4), pp. 192-193
- 2011 "Psychological Functioning, Personality and Support from Family: An Introduction to Bayesian Model Selection", by R. van de Schoot, J. Mulder, H. Hoijtink, M. A. G. van Aken, J. Semon Dubas, B. Orobio de Castro, W.

- Meeus, and J.W. Romeijn, *European Journal of Developmental Psychology*, 8(6), pp. 713–729
- 2011 “Evaluating Expectations about Negative Emotional States of Aggressive Boys using Bayesian Model Selection”, by R. van de Schoot, H. Hoijsink, J. Mulder, M. A. G. van Aken, B. Orobio de Castro, W. Meeus and J.W. Romeijn, *Developmental Psychology* 47(1), pp. 203-12
- 2011 “Moving beyond traditional null hypothesis testing: evaluating expectations directly”, with R. van de Schoot and H. Hoijsink, *Frontiers in Psychology* 2, nr. 24
- 2011 “Mind the Gap”, by R. Kieviet, J.W. Romeijn, L.J. Waldorp, J.M. Wicherts, H.S. Scholte, and D. Borsboom, target article in *Psychological Inquiry* 22. pp. 1–21
- 2011 “A Condorcet Jury Theorem for Unknown Juror Competence”, with D. Atkinson, *Philosophy, Politics and Economics*, 10(3), pp. 237–262
- 2010 “Probabilist antirealism”, with I. Douven and L. Horsten, *Pacific Philosophical Quarterly* 91, pp. 38–63
- 2008 “Measurement Invariance versus Selection Invariance: Is fair selection possible?”, with D. Borsboom, and J.M. Wicherts, *Psychological Methods* 13(2), pp. 75–98
- 2008 “The all too flexible abductive method”, *Journal of Clinical Psychology* 64(9), pp. 1023–1036
- 2007 “The Discursive Dilemma as a Lottery Paradox”, with I. Douven, *Economics and Philosophy* 23, pp. 301–319
- 2006 “Theory Change and Bayesian Statistical Inference”, *Philosophy of Science* 72 (5), pp. 1174–1186
- 2006 “Analogical Predictions for Explicit Similarity”, *Erkenntnis* 64, pp. 253–280,
- 2005 “Enantiomorphy and Time”, *International Studies in the Philosophy of Science* 19 (2), pp. 167–190
- 2004 “Hypotheses and Inductive Predictions”, *Synthese* 141 (3), pp. 333–364
- Books*
- 2010a *Probabilistic Logic and Probabilistic Networks*, with R. Haenni, G. Wheeler, and J. Williamson, Springer, Synthese Library
- 2005b *Bayesian Inductive Logic*, PhD dissertation, University of Groningen
- Contributions to books and reference works*
- 2015 “Uncertainty in Computational Archaeology”, with H. Peeters, in Springer Series in Theoretical Archaeology, to appear, 2015
- 2014 “Humanities' New Methods: a reconnaissance mission”, in *The Making of the Humanities III*, ed. R. Bod, J. Maat and Th. Weststeijn. Amsterdam: Amsterdam University Press, pp. 527–539.
- 2014 “Philosophy of Statistics”, *Stanford Encyclopedia of Philosophy*, <http://plato.stanford.edu/archives/fall2014/entries/statistics/>.
- 2013 “When is an example a counterexample?”, with E. Pacuit and A.P. Pedersen, TARK XIV proceedings, ed. Burkhard C. Schipper, ACM Digital Library, pp. 156–65.

- 2012 “One size does not fit all: derivation of a prior-adapted BIC”, in *Probabilities, Laws, and Structures*, ed. by D. Dieks, W. Gonzales, S. Hartmann, F. Stadler, T. Uebel, and M. Weber. Berlin: Springer, pp. 87–106
- 2011 “Inductive Logic and Statistics”, in *Handbook of the History of Logic, Vol. 10: Inductive Logic*, Gabbay, D., J. Woods, and S. Hartmann (eds.), pp. 625–650
- 2011 “Statistics as Inductive Logic”, in *Handbook for the Philosophy of Science, Vol. 7: Philosophy of Statistics*, Bandyopadhyay, P. and M. Forster, pp. 751–774
- 2010 “Carnap’s Logical Foundations of Probability”, in *Key Terms in Logic*, ed. J. Williamson and F. Russo, Continuum Publishers, London, pp. 161–162
- 2009 “Probabilistic Logic and Probabilistic Networks”, with R. Haenni, G. Wheeler, and J. Williamson, in B. Loewe, E. Pacuit, and J.W. Romeijn (eds.), *Foundations of the Formal Sciences*, Studies in Logic Series, College Publications, London, pp. 49–81
- 2008 “Possible Semantics for a Common Framework of Probabilistic Logics”, in *Interval/Probabilistic Uncertainty and Non-Classical Logics* (Advances in Soft Computing Series), New York: Springer, pp. 268–279
- 2008 “A Philosophical Foundation of Null, Alternative and Informative Hypotheses”, with R. van de Schoot, in *Bayesian Evaluation of Informative Hypotheses*, Hoijsink, H., I. Klugkist and P. Boelen (eds.), New York: Springer, pp. 329–357

Editorials, prefaces, and special issues

- 2015 “Preface to the new edition of Ian Hacking’s ‘Logic of Statistical Inference’”, Cambridge University Press.
- 2015 Symposium on Deliberation, with Olivier Roy, including the introduction “Individual and Social Deliberation: introduction”, *Economics and Philosophy* 31(1), to appear
- 2014 Special issue on Radical Uncertainty, with Olivier Roy and Hannes Leitgeb (LMU), including the introduction “Radical Uncertainty: Beyond Probabilistic Models of Belief”, *Erkenntnis* 79(6)
- 2012 Special issue “All models are wrong”, including an introduction on statistical model selection, with E.C. Wit and E. van den Heuvel, *Statistica Neerlandica* 66(3)
- 2010 Special issue and interview with members of the Tilburg Centre of Logic and Philosophy of Science, *The Reasoner* 4(7)
- 2009 Proceedings of *Foundations of the Formal Sciences VI*, College Publications, edited with B. Loewe and E. Pacuit
- 2009 Special issue on “Combining Probability and Logic”, edited with F. Cozman, R. Haenni, F. Russo, G. Wheeler, and J. Williamson, including an editorial, *Journal of Applied Logic* 7(2)
- 2008 Special issue and interview with M. van Lambalgen, *The Reasoner* 2(9)

Book reviews

- 2008 “Review of Philosophical Introduction to Probability by M.C. Galavotti”, *Studies in the History and Philosophy of Modern Physics*, 39, pp. 225–228.

SCIENTIFIC PRESENTATIONS

Selected invited lectures

- 2015 “Analogical predictions by proximity among predicates”, Department for Logic and Philosophy of Science, University of California at Irvine, USA
- 2015 “Subjectivity in Evidence: Three studies in Bayesian Model Evaluation”, Department of Philosophy, University of Padua, Italy
- 2015 “How to do things with frequentism”, lecture for the Institute of Philosophy, University of London, UK
- 2015 “Social epistemology”, three lectures during the Groningen-Bristol summer school on formal epistemology, Bristol University, UK
- 2015 “What are the chances?”, colloquium of the Philosophy Department, University of Salzburg, Austria
- 2015 “Statistics and Belief: how to judge if you must”, APES seminar, University of Amsterdam
- 2014 “What are the chances?”, DIP seminar at the Department of Philosophy of the University of Amsterdam
- 2014 “Pooling as a Bayesian update: relations with Condorcet and Aumann”, talk at the Synthese conference, University of Amsterdam
- 2014 “What are the chances?”, research seminar at the Department of Philosophy of the University of Maryland at College Park
- 2014 “How to judge if you must”, commentary on Hannes Leitgeb’s Descartes Lectures, Tilburg University
- 2014 “Comorbidity in psychiatry”, talk at a workshop on Causal explanation in psychiatry, Department of Philosophy, VU Amsterdam
- 2014 “Comorbidity in Psychiatry”, invited talk at the Philosophy Department of the University of Cape Town and of Johannesburg
- 2013 Talk on “DeGroot meets Aumann”, ENS, Paris
- 2013 Key-note lecture at conference on Induction Logic and Confirmation, University of Kent (Paris campus)
- 2013 Talk on “Comorbidity in Psychiatry” at a workshop on embedded and embodied perspectives on psychiatry, Radboud University Nijmegen
- 2013 Lecture on “What is a counterexample?” at a Lorentz workshop, Leiden University
- 2013 Research seminar, Philosophy Faculty, UNED Madrid
- 2012 Lecture on “Statistics as Epistemology”, EIPE seminar, Erasmus Universiteit Rotterdam
- 2012 Lectures on “Aumann meets DeGroot”, University of Oldenburg and IHPST Paris
- 2012 Lecture on “Verrassing! De waarde van riskante voorspellingen”, NVWF symposium
- 2012 Lecture for the Centre for Psychiatry (UCP), University of Groningen
- 2012 Commentary during NFWT graduate conference, Erasmus Universiteit Rotterdam, 8 March
- 2011 Lunchtime talk at the Center for the Philosophy of Science, University of Pittsburgh
- 2011 Research seminar at the Department for Logic and Philosophy of Science, University of California at Irvine

2011 M&E seminar at University of Toronto
 2011 Colloquium talk for the Philosophy Department at Carnegie Mellon University
 2011 Research seminar at the City University of New York (CUNY)
 2011 Combined research seminar for the Munich Centre for Mathematical Philosophy and the Statistics Department of the Ludwig Maximilians University
 2011 Lecture at the kick-off workshop for the research project on "Possibility" of Th. Müller at the Philosophy Department of Utrecht University
 2011 Research seminar at the Centre for Mathematics and Computer Science (CWI) at the University of Amsterdam
 2010 Research seminar at the Department of Psychological Methods, University of Amsterdam
 2010 Meeting of the European Science Foundation, University of Kent
 2010 Causality conference, Center for Logic and Philosophy of Science, Munich
 2009 Research seminar, Faculty of Philosophy, Bristol University
 2009 Research seminar, IHPST, Sorbonne University, Paris
 2009 Symposium on Bayesian philosophy of science at the bi-annual conference of the Spanish Philosophy of Science Association (cancelled)
 2009 Symposium of the European Science Foundation, Utrecht (cancelled)
 2009 LSE-Groningen exchange workshop
 2008 Workshop at the occasion of the honorary doctorate of Bas van Fraassen, Catholic University of Leuven
 2008 Workshop on Inequality Constrained Modelling, Department of Psychology, Utrecht University
 2008 NWFT workshop on "Evidence in Science and Philosophy of Science", Soeterbeeck
 2008 LogiCCC Launch conference, European Science Foundation, Prague
 2007 Lecture on Bayesian inference at the Faculty of Philosophy, University of Valencia
 2007 Prolog workshop on Probability and Logic, University of Kent
 2007 Workshop on Null, Alternative and Informative Hypotheses, Department of Psychological Methods, Utrecht University
 2007 Foundations of the Formal Sciences Conference, Institute for Logic, Language and Computation, University of Amsterdam
 2007 Epistemology Workshop, University of Leuven
 2007 Research seminar, Philosophy Department, University of Düsseldorf
 2006 Seminar for the Erasmus Institute for Philosophy and Economics, Erasmus University Rotterdam
 2006 Research seminar, Department of Philosophy, University of Kent
 2005 Research seminar, Department of Psychology, University of Utrecht
 2005 Fun in Statistics seminar, Department of Psychological Methods, University of Groningen
 2005 Workshop on epistemic and probabilistic logic, ILLC, University of Amsterdam
 2005 Research seminar, Department of Philosophy, University of Konstanz
 2005 Research seminar, Department of Philosophy, University of Bristol
 2004 Meeting of the Dutch academic societies Stichting Wiener Kreis, Beth Stichting and Vereniging voor Logica

- 2004 Departmental seminar, Mathematics and Statistics, University College London
- 2003 Research seminar, Department of Philosophy, University of Edinburgh, Scotland
- 2003 Popper Seminar, London School of Economics
- 2002 Logic Tea, Institute for Logic, Language and Information, University of Amsterdam
- 2002 Departmental seminar, Institute for the Foundations of Physics, University of Utrecht

Selected contributed talks

- 2015 “Reductionism and objective chance”, talk at the OZSW conference, VU Amsterdam
- 2014 Organizer of a symposium on “Learning from others” at the PSA Biennial meeting in Chicago, presenting “Pooling, Voting and Updating” and “All agreed: Aumann meets DeGroot”
- 2014 Talk on “Statistics and Full Belief” for the IPSP conference at LMU Munich
- 2014 Talk on “Schnorr randomness and Autonomous Chance” at the occasion of Michael Strevens’ visit, University of Groningen
- 2013 Talk on “Implicit complexity” at the EPSA conference 2013, Helsinki University
- 2012 Lecture on “Humanities’ new methods. Challenges for confirmation theory”, conference on “The Making of the Humanities”
- 2012 Lecture on “Belief dynamics for conditionals”, University of Bristol
- 2012 Lecture on “Implicit complexity. A problem for model selection tools”, VIIth Conference of the SLMFC, Santiago de Compostella, Spain
- 2011 Lecture in a seminar on simplicity, Carnegie Mellon University
- 2011 Talk in the Games and Decision seminar, Carnegie Mellon University
- 2011 Conference on Novel Predictions, University of Duesseldorf
- 2011 Conference on Discovery in the Social Sciences, University of Leuven
- 2011 Annual conference of the Philosophical Society of Southern Africa, University of Kwazulu-Natal at Durban
- 2010 Workshop on the occasion of the Descartes Lectures by Ian Hacking, Tilburg Center for Logic and Philosophy of Science
- 2010 Conference on the Future of the Philosophy of Science, University of Tilburg
- 2009 Workshop on Decisions, Logic, and Games, University of Lausanne
- 2009 Conference of the Société de Philosophie Scientifique on “Science and Decision” (cancelled)
- 2009 Symposium on Evidence at the European Philosophy of Science Conference, Free University Amsterdam (cancelled)
- 2008 Causality Study Fortnight, Kent University
- 2008 Conference of the British Society for the Philosophy of Science, University of St Andrews
- 2008 Conference on “Induction: Historical and Contemporary Approaches”, University of Ghent
- 2007 Conference on conditionals “What if... so what?”, Erasmus University Rotterdam
- 2007 First Conference of the European Philosophy of Science Association (EPSA), Complutense University, Madrid

- 2007 Formal Epistemology Workshop, Carnegie-Mellon University, Pittsburgh
- 2006 Computational Social Choice conference, Institute for Logic, Language and Information, University of Amsterdam
- 2006 Formal Epistemology Workshop, Berkeley
- 2006 Conference for the Dutch Association of Analytic Philosophy (VAF), Amsterdam
- 2005 Workshop on Dutch Books, Department of Philosophy, University of Prague
- 2005 Prolog Conference, Department of Philosophy, London School of Economics
- 2004 Conference of the Philosophy of Science Association, Austin
- 2004 Conference of the British Society for the Philosophy of Science, University of Kent, Canterbury
- 2004 Workshop VlaPoLo, University of Ghent
- 2003 12th International Congress on Logic, Methodology, and Philosophy of Science, Oviedo
- 2003 Workshop on Bayesian Epistemology, 26th International Wittgenstein Symposium, Kirchberg am Wechsel
- 2002 Popper Centennial Conference, Vienna
- 2002 Conference on Causation and Explanation in the Natural and Social Sciences, University of Ghent
- 2001 Conference of the Dutch-Flemish Society for the Philosophy of Science, ISVW, Leusden

OUTREACH

Dutch publications

- 2015 “Van realisme of constructivisme naar conventionalisme in de psychiatrie”, with H. van Loo, *Wijsgerig Perspectief*, to appear.
- 2015 “De Wetenschapsvisie: eenzijdig en Marxistisch”, contribution to *Bij Nader Inzien*, philosophy blog.
- 2014 “Onwetendheid”, in *Dit Wil Je Weten*, M. Geels en T. van Opijnen (eds.), Maven Publishers
- 2013 “De calculerende burger” in *Nederland in Ideeën*, M. Geels en T. van Opijnen (eds.), Maven Publishers
- 2008 “Interventies en concept-formatie” in *Algemeen Nederlands Tijdschrift voor Wijsbegeerte* 100(2), pp. 121–128
- 2008 “Recensie van Horsten *et al*: Wetenschapsfilosofie”, with A. Tamminga, in *Algemeen Nederlands Tijdschrift voor Wijsbegeerte* 100(1), pp. 80–83
- 2006 “De stempijzer moet geen schoolmeester zijn”, with R. van Raak, *Volkscrant*
- 2006 “Waar is de plek van de waarheid”, essay, *Bres* 237
- 2006 “De Revolutie der Probabilisten”, with W. Meijs, *Academische Boekengids*, Dutch academic magazine
- 2005 “Vouwlijnen: hoe men de lege ruimte weer in haar hoes krijgt”, publication of Galery SYB, Groningen
- 2005 “De Metafysica van de Fysica”, book review of “Leibniz, Filosoof en Mathematicus”, prof. dr. M. Mugnai, *Bres* 232

Contract research and public-private partnerships

- 2014 – 2015 Advice on a report about social deliberation in appeal courts
2013 – 2014 Contract research for exhibition “Pure Veerkracht” in the Natuurhistorisch Museum Rotterdam
2012 – Courses and lectures for BONG (Bijscholing Noord-Nederlandse Gerechten) on probabilistic reasoning and legal vs scientific truth finding, and on collective decision making (including internship at the courts)
2011 – Initiator and contract researcher for “Trovato”, a system for tracking museum visitor behaviour, currently installed at the Drents Museum and the Natuurhistorisch Museum Rotterdam

Selected lectures for general public

- 2015 “De waarde van meervoud”, lectures for judges of the Northern Courts in and Dutch appeal courts Amsterdam
2015 “De Wetenschapsvisie”, lecture for the OZSW debate on the future of state-financed academia
2015 “Column” read at the Night of the University, University of Groningen
2014 “Onderzoek naar museumbezoekers”, address at the opening of the exhibition “Pure Veerkracht” in the Natuurhistorisch Museum Rotterdam
2014 “Filosofie voor de Wetenschappen”, Quetelet lecture at the University of Ghent
2014 Lecture on “Kansen voor het individu”, presentation at meeting of various healthcare stakeholders (Zorginstituut, Zorgverzekeraars Nederland, Orde van Medisch Specialisten, etc.)
2014 Talk on “Vrije Wil” at Scholierenacademie RuG
2013 Lectures in Drents Museum and Groninger Museum about museum project
2012 Lectures on philosophy for children on Trust and Time, Synagoge Winsum
2012 Lecture on “Wat is tijd?” during the Philosophy Night, Groningen
2012 Lecture on “How to win grants and influence committees”, Grants Week, University of Groningen
2012 Lecture for the Dutch Association for the Philosophy of Science (NVWF)
2012 Commentary on lecture by Rupert Sheldrake, Studium Generale Groningen
2010 Lecture on group wisdom, Medisch Ethische Tuchtcommissie, UMC Groningen
2010 Lecture on decision making for school children, Zernicke College
2009 Debate with prof.dr. R. Woudenberg on science and religion
2009 Lecture in symposium on Boundaries of Knowledge, Faculty of Natural Sciences, University of Groningen
2008 Public lecture for the book series launch “Wetenschapsfilosofie in Context”, Boom Uitgevers, De Balie, Amsterdam
2007 Presentation on White cubes and Experimentation, NP3 gallery, Groningen
2007 Presentation on decision making, Humanistisch Verbond
2007 Presentation on rationality and herds, Stichting Groninger Wijsbegeerte

Media appearances

- 2014 – 2015 Creation of a “MOOC for kids” that is run by the University of Groningen, in collaboration with a number of other young professors.
- 2015 Participation in the radio programme “Schepen aan de Horizon” with an interview about science
- 2015 Interview in the University newsletter about “Digital Humanities”
- 2013 Interviewed for science column SciencePalooza about Drents Museum project
- 2013 Featured in special issue about the humanities of De Groene Amsterdammer, national weekly
- 2013 Drents Museum project on front page of Dagblad van het Noorden, regional newspaper
- 2013 Article on my research in the Dagblad van het Noorden, regional newspaper
- 2011 Feature article on my research on the front page of the website of the University of Groningen
- 2011 Interview in brochure of the Dutch research council NWO
- 2011 Interview in newsletter of the BCN research school of the University of Groningen on VIDI research project
- 2010 Interview in newsletter for Dutch philosophy teachers
- 2010 Appearance in science program Adamsappel on regional broadcaster TV-Noord with an item on “Chance”
- 2010 Interview in newsletter of the BCN research school of the University of Groningen on Lecturer of the Year Award
- 2009 Appearance in science program Adamsappel on regional broadcaster TV-Noord with an item on “Time”
- 2008 Publication of a public lecture on rational choice for the humanist association “Humanistisch Verbond”
- 2007 Interview in *De Psycholoog* on postdoctoral research project, “Onderzoek in Uitvoering: Eureka!” by G. Kindermans
- 2006 Interview about lotteries on national commercial television broadcaster SBS6, in the news programme “Hart van Nederland”
- 2006 Discussion of my PhD thesis in Dutch national newspaper NRC Handelsblad, in “Denkend Westwaarts” by F.A. Muller and in subsequent discussion pieces and letters to the editor (including my response)
- 2005 Article on my PhD thesis in the university newspaper UK