

Department of Psychology
University of Amsterdam
Nieuwe Achtergracht 129-B
1018 VZ Amsterdam
The Netherlands

EJ.Wagenmakers@gmail.com
<http://www.ejwagenmakers.com/>
Phone: (+31) 6-45626624
Fax: (+31) 20-525 6456

PERSONAL Born May 21, 1972, in Baarland, The Netherlands. Dutch Citizenship.

EMPLOYMENT Full Professor at the Methodology Unit of the Department of Psychology, University of Amsterdam.

2012–current. Full Professor “Neurocognitive Modeling: Interdisciplinary Integration” for the Cognitive Science Center Amsterdam (CSCA) at the University of Amsterdam.

2018–2023. Research fellow on an ERC Advanced grant, awarded by the European Research Council. Main interests: Bayesian hypothesis testing and cognitive modeling.

2017–2022. Research fellow on a personal Vici grant, awarded by the Netherlands Organisation for Scientific Research (NWO). Main interests: hypothesis testing and model selection, open science practices, Bayesian inference, and philosophy of science.

2012–2017. Research fellow on an ERC consolidator grant, awarded by the European Research Council. Main interests: Bayesian hypothesis testing, cognitive modeling, and the interaction between quantitative modeling and cognitive neuroscience.

2012–2016. Honorary Professor “Formal Models in Cognitive Science” for the Department of Psychology at the University of Groningen.

2007–2012. Research fellow on a personal Vidi grant, awarded by the Netherlands Organisation for Scientific Research (NWO). Main interests: response time modeling, hypothesis testing and model selection, Bayesian inference, reinforcement learning, and the interaction between quantitative modeling and cognitive neuroscience.

2004–2007. Research fellow on a personal Veni grant, awarded by the Netherlands Organisation for Scientific Research (NWO). Main interests: long-range correlations in psychological time series, response time modeling, model selection methods, development of expertise, and reinforcement learning.

2003–2004. Postdoctoral fellow with Han van der Maas and Peter Molenaar, University of Amsterdam. Main interests: Modeling phase transitions using

stochastic catastrophe theory, with possible application to response times.

2001–2003. Postdoctoral fellow with Roger Ratcliff, Northwestern University. Main interests: Lexical decision, time series analysis, response time modeling, and model selection methods.

1996–2000. Graduate student with Jeroen Raaijmakers, University of Amsterdam. Main interests: Modeling of human memory and visual word recognition. September 1998–May 1999: Fulbright scholarship to work with Rich Shiffrin, Indiana University.

1994–1996: Undergraduate student with Ritske de Jong, University of Groningen. Main interests: Aging, task switching, and response times.

PROFESSIONAL
SERVICE

- Member of the editorial board for *Computational Brain & Behavior*, 2017–present.
- Member of the advisory counsel for *Advances in Methods and Practices in Psychological Science*, 2017–present.
- Member of the committee on Replication Research (“Replicatieonderzoek”) organized by the Royal Netherlands Academy of Arts and Sciences (KNAW), 2016–2017.
- Member of the Editorial Board (expertise: “meta-research”), *PLoS Biology*, 2016–present.
- Associate Editor for statistical methods and practices at *Psychonomic Bulletin & Review*, 2015–2017.
- Member of the search committee for the next editor of *Psychological Science*, 2015.
- Guest editor for the special issue “Bayes factors for Testing Hypotheses in Psychological Research: Practical Relevance and New Developments”, *Journal of Mathematical Psychology*, 2016 (with Joris Mulder). Vol. 72, pp. 1–220.
- Editor of the Methodology volume of *Stevens’ Handbook of Experimental Psychology and Cognitive Neuroscience* (in press).
- Statistical consulting for the CHDI foundation, 2014–present.
- Advisory Board, *PsychFileDrawer.org* project, 2011–present.
- Editorial Advisory Board, *Journal of Open Psychology Data*, 2012–present.
- Statistical Consultant Editor for *Comprehensive Results in Social Psychology*, 2014–present.
- Member of the board of consulting editors for *Journal of Mathematical Psychology*, 2010–present.
- Editor of the Tutorial Section in *Journal of Mathematical Psychology*, 2008–2015.

- Member of the board of consulting editors for *Psychological Review*, 2011–2015.
- Member of the board of consulting editors (i.e., member of the “Review Editorial Board”) for *Frontiers in Decision Neuroscience*, 2010–2015.
- Guest editor for the special issue “A Discussion of Publication Bias and the Test for Excess Significance”, *Journal of Mathematical Psychology*, 2013, Vol. 57, issue 5, pp. 155–195.
- Associate Editor for *Psychonomic Bulletin & Review*, 2010–2013.
- Vice-president of the *Society for Mathematical Psychology*, 2012–2013.
- Associate Editor for *Cognitive Psychology*, 2009–2013.
- Guest Associate Editor for *Psychometrika*, 2013.
- Guest editor for the special section “Replicability in Psychological Science: A Crisis of Confidence?”, *Perspectives on Psychological Science*, 2012 (with Hal Pashler). Vol. 7, issue 6, pp. 528–654.
- President of the *Society for Mathematical Psychology*, 2011–2012.
- Member of the board of consulting editors for *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 2009.
- Member of the board of consulting editors for *Psychonomic Bulletin & Review*, 2006–2009.
- Member of the editorial board for *Journal of Mathematical Psychology*, 2006–2009.
- Guest editor for the special issue “Model Selection: Theoretical Developments and Applications”, *Journal of Mathematical Psychology*, 2006, Vol. 50, issue 2, pp. 99–214 (with Lourens Waldorp).

ORGANIZATIONAL ACTIVITIES

- Together with Johnny van Doorn, Quentin Gronau, Alexander Ly, Dora Matzke, and Richard Morey, part of the organizing committee for the third annual two-day JASP workshop “Theory and Practice of Bayesian Hypothesis Testing”. The workshop took place August 28–29, 2017, in Amsterdam, the Netherlands, and attracted 50 participants.
- Together with Johnny van Doorn, Dora Matzke, Alexander Ly, Udo Boehm, Quentin Gronau, Alexander Etz, and Michael Lee, part of the organizing committee for the one-week “Seventh Annual JAGS and WinBUGS Workshop: Bayesian Modeling for Cognitive Science”. The workshop took place August 21–25, 2017, in Amsterdam, the Netherlands, and attracted 40 participants.
- Together with Richard Morey, Ravi Selker, Alexander Ly, Dora Matzke, Helen Steingroever, Johnny van Doorn, Maarten Marsman, and Quentin Gronau, part of the organizing committee for the second annual two-day JASP workshop “Theory and Practice of Bayesian Hypothesis Testing”. The workshop took place August 22–23, 2016, in Amsterdam, the Netherlands, and attracted 70 participants.

- Together with Dora Matzke, Helen Steingroever, Alexander Ly, Ravi Selker, Johnny van Doorn, Udo Boehm, Quentin Gronau, and Michael Lee, part of the organizing committee for the one-week “Sixth Annual JAGS and WinBUGS Workshop: Bayesian Modeling for Cognitive Science”. The workshop took place August 15–19, 2016, in Amsterdam, the Netherlands, and attracted 65 participants.
- Together with Jaap Murre and Rene Zeelenberg, part of the organizing committee for a one-day international symposium in honor of Prof. dr. J. G. W. Raaijmakers. The symposium took place June 30, 2016, in Amsterdam, the Netherlands.
- Together with Amy Criss and Joachim Vandekerckhove, part of the *Society for Mathematical Psychology* organizing committee for the symposium “Computational Approaches to Cognition”, a one-day pre-conference to the 57th annual meeting of the *Psychonomic Society*. The symposium took place November 17, 2016, in Boston, USA, and attracted 150 participants.
- Together with Amy Criss and Joachim Vandekerckhove, part of the *Society for Mathematical Psychology* organizing committee for the symposium “Computational Approaches to Cognition”, a one-day pre-conference to the 56th annual meeting of the *Psychonomic Society*. The symposium took place November 19, 2015, in Chicago, USA, and attracted 76 participants.
- Together with Jonathon Love, Richard Morey, Dora Matzke, Alexander Ly, Ravi Selker, Helen Steingroever, Maarten Marsman, Tahira Jamil, Quentin Gronau, Damian Dropmann, and Michael Lee, part of the organizing committee for the two-day “First Annual JASP Workshop”. The workshop took place August 6–7, 2015, in Amsterdam, the Netherlands, and attracted 33 participants.
- Together with Jonathon Love, organized the workshop “Teaching Bayesian statistics with JASP” at 48th Annual Meeting for the Society of Mathematical Psychology (Newport Beach, USA), July 17, 2015.
- Together with Jonathon Love and Richard Morey, organized the workshop “Bayesian hypothesis testing using JASP” at the SARMAC conference (Victoria, Canada), June 24, 2015.
- Together with Dora Matzke and Francis Tuerlinckx, part of the organizing committee for the one-week seminar “Bayesian Methods for the Social Sciences”. Participants included students from the University of Amsterdam, University of Glasgow, University of Graz, University of Leuven, University of Lisbon, University Complutense of Madrid, University of Oldenburg, University of Padova, University of Tartu, and University of Tübingen. The seminar took place March 22–28, 2015, in Balatonföldvár, Hungary.
- Together with Jonathon Love and Richard Morey, organized the workshop “Bayesian hypothesis testing using JASP” for the International Conven-

tion of Psychological Science (ICPS), Amsterdam, the Netherlands, March 12–14, 2015.

- Together with Dora Matzke, Helen Steingroever, Alexander Ly, Ravi Selker, Maarten Marsman, Tahira Jamil, Johnny van Doorn, Udo Boehm, Quentin Gronau, Damian Dropmann, Jonathon Love, and Michael Lee, part of the organizing committee for the one-week “Fifth Annual JAGS and WinBUGS Workshop: Bayesian Modeling for Cognitive Science”. The workshop took place August 10–14, 2015, in Amsterdam, the Netherlands, and attracted 51 participants.
- Chair of the committee on preregistration for the workshop “Standards for Promoting Reproducible Research in the Social-Behavioral Sciences”, Charlottesville, November 2–3, 2014.
- Together with Dora Matzke, Helen Steingroever, Alexander Ly, Tahira Jamil, Jonathon Love, Josine Verhagen, and Michael Lee, part of the organizing committee for the one-week “Fourth Annual WinBUGS Workshop: Bayesian Modeling for Cognitive Science”. The workshop took place August 11–15, 2014, in Amsterdam, the Netherlands, and attracted 56 participants.
- Member of the Program Committee for the Annual Convention of the Association for Psychological Science, 2014–2016.
- Together with Agneta Fischer and Gerben van Kleef, part of the organizing committee for the lecture series “Replicability and Transparency in Psychological Research” (2013–2014).
- Together with Dora Matzke, Helen Steingroever, Alexander Ly, and Michael Lee, part of the organizing committee for the one-week workshop “Bayesian Modeling for Cognitive Science”. The workshop took place August 12–16, 2013, in Amsterdam, the Netherlands, and attracted 50 participants.
- Local coordinator of the Socrates–Erasmus Intensive Programme 2012, 2013, and 2014 on “Quantitative Approaches to Psychological Processes: Modeling, Testing, Fitting”.
- Together with Dora Matzke, Helen Steingroever, and Michael Lee, part of the organizing committee for the one-week workshop “Bayesian Modeling for Cognitive Science”. The workshop took place July 2–6, 2012, in Amsterdam, the Netherlands, and attracted 37 participants.
- Together with Birte Forstmann, part of the organizing committee for the Academy Colloquium “New Insights from Model-Based Cognitive Neuroscience” funded by the Royal Netherlands Academy of Arts and Sciences (KNAW). The colloquium took place in Amsterdam, May 2012.
- Together with Ruud Wetzels, Dora Matzke, and Michael Lee, part of the organizing committee for the one-week workshop “Bayesian Modeling for Cognitive Science”. The workshop took place August 22–26, 2011, in Amsterdam, the Netherlands, and attracted 48 participants.
- Chair of the organizing committee for the 42nd annual meeting of the *Society for Mathematical Psychology* and the 40th annual meeting of the

European Mathematical Psychology Group. The joint meeting took place August 1–4, 2009, in Amsterdam, the Netherlands, and attracted over 250 participants.

- Global coordinator of the Socrates–Erasmus Intensive Programme 2008, 2009, and 2010 on “Formal Models and Quantitative Methods for Psychology”, a European–wide initiative to promote mathematical modeling in psychology. Participating institutions: University of Amsterdam, International University Bremen, University of Debrecen, University of Glasgow, University of Graz, University of Leuven, University of Lisbon, University Complutense of Madrid, University of Oldenburg, University of Padova, University of Tartu, University of Oulu, and University of Tübingen.
- Local coordinator of the Socrates–Erasmus Intensive Programme 2005, 2006, and 2007 on “Mathematical and Computational Models in the Psychological Sciences”.
- Organized the symposium “Modeling Response Times” for the 71th annual meeting of the Psychometrics Society, Montreal, Canada, June 14–17, 2006.
- Co–organized a three–day workshop “Model Selection: Theoretical Developments and Applications”, in Amsterdam, the Netherlands, August 2004. Participants included Marc Aerts, Jim Berger, Ken Bollen, Michael Browne, Ken Burnham, Laurie Davies, Aart de Vos, Malcolm Forster, Paul Vitanyi, and Jay Myung. External funding was provided by NWO.
- Co–organized a three–day workshop “Computational Models of Memory” in Amsterdam, the Netherlands, September 2001. Participants included John Anderson, Roger Ratcliff, Rich Shiffrin, Erik Altmann, Randall O’Reilly, Mike Masson, Trish Van Zandt and Art Jacobs. External funding was provided by NWO and the Royal Academy of Arts and Sciences.

MEMBERSHIPS

- Member of the International Society for Bayesian Analysis.
- Member of the Society for the Improvement of Psychological Science.
- Member of the Society for Mathematical Psychology.
- Member of the Psychonomic Society.
- Member of ESCoP, the European Society for Cognitive Psychology.
- Member of the Foundation for Open Access Statistics (FOAS).
- Member of the Dutch Psychonomic Society (NVP).
- Member of IOPS, a Dutch Research School for Psychometrics and Sociometrics.

AWARDS AND GRANTS

38. In 2017, named APS Fellow by the Association for Psychological Science. “Fellow status is awarded to APS Members who have made sustained outstanding contributions to the science of psychology in the areas of research, teaching, service, and/or application”.

37. In 2017, the “MaGW research talent” PhD project “Blinded Analysis as a Cure for the Crisis of Confidence” was awarded a four-year €€224,201 grant from the Netherlands Organisation for Scientific Research (NWO). PhD student is Alexandra Sarafoglou.
36. In 2017, the project “A Unified Framework for the Assessment and Application of Cognitive Models” was awarded a five-year €2,500,000 “advanced” grant from the European Research Council.
35. In 2017, the project “Monitoring Evidential Flow: New Bayesian Methods for Medicine and Psychology” was awarded a five-year €1,500,000 “Vici” grant from the Netherlands Organisation for Scientific Research (NWO).
34. In 2016, awarded a \$10,000 Leamer–Rosenthal Prize for Open Social Science from the Berkeley Initiative for Transparency in the Social Sciences (BITSS). The Leamer–Rosenthal Prizes were launched to “promote transparent research, and to offer recognition and visibility to scholars practicing open social science”.
33. In 2016, the PhD proposal “The Religious Replication Project” was awarded a four-year €193,054 grant from the Templeton Foundation. Main applicant is Michiel van Elk (University of Amsterdam).
32. In 2016, the proposal “JASP Professional Services: A Fresh Way to Analyze Data” was awarded a €39,838 TakeOff grant from the Technology Foundation STW and the Netherlands Organisation for Scientific Research (NWO). Co-applicants are Helen Steingroever and Michiel Klønhammer.
31. In 2016, the “MaGW research talent” PhD project “Accounting for model uncertainty in structural equation modeling: A Bayesian approach” was awarded a four-year €204,474 grant from the Netherlands Organisation for Scientific Research (NWO). PhD student is Quentin F. Gronau.
30. In 2016, the Berkeley Initiative for Transparency in the Social Sciences (BITSS) approved a \$29,767 Social Science Meta-Analysis and Research Transparency (SSMART) grant for the proposal “Bayesian Evidence Synthesis: New Meta-Analytic Procedures for Measuring, Monitoring, Combining, and Projecting Statistical Evidence”.
29. In 2015, the Center for Open Science (COS) approved a \$13,750 incubator grant for integrating JASP and the Open Science Framework. Main applicant: Jonathon Love.
28. In 2015, the Erasmus+ 2015 Key Action 2 (KA2) Strategic Partnerships Project “Tools for Teaching Quantitative Thinking” was awarded a €392,710 grant to improve presentation, research ethics, and programming skills related to quantitative thinking of students from 12 universities across Europe. Main applicant is Martin Lages (University of Glasgow).

27. In 2015, the IOPS PhD project “Bayesian Inference for Ordinal Data in Psychology” was awarded a four-year €200,000 grant from the Netherlands Organisation for Scientific Research (NWO). PhD student is Johnny van Doorn.
26. In 2015, the project “Bayesian Hypothesis Testing without Tears: An Interactive Introduction for Psychology Teachers and Students” was awarded a \$5000 grant from the APS Fund for Teaching and Public Understanding of Psychological Science. Co-applicants are Felix Schönbrodt and Richard Morey.
25. In 2014, the “MaGW research talent” PhD project “A Bayesian approach to mental health assessment in psychiatric detention centers” was awarded a three-year €171,362 grant from the Netherlands Organisation for Scientific Research (NWO). PhD student is Ravi Selker.
24. In 2013, the “MaGW research talent” PhD project “Dynamic Adjustment of Response Caution in Perceptual Decision-Making” was awarded a three-year €168,735 grant from the Netherlands Organisation for Scientific Research (NWO). Main applicant is Hedderik van Rijn, PhD student is Udo Boehm.
23. The Socrates–Erasmus Intensive Programme “Quantitative Approaches to Psychological Processes: Modeling, Testing, Fitting” was awarded a grant from the Institute on Life Long Learning; €46,205 in 2012. This grant supported the organization of a 10-day seminar on mathematical psychology for students from 13 universities across Europe. Fellow applicants are Luca Stefanutti (University of Padova), Francis Tuerlinckx (Catholic University of Leuven), Martin Lages (University of Glasgow), Hans Colonius (University of Oldenburg), Istvan Hidegkuti. (University of Debrecen), Thomas Augustin (University of Graz), Miguel Garcia–Perez (University Complutense of Madrid), Adele Diederich (Jacobs University of Bremen), Mario Ferreira (University of Lisbon), Aire Raidvee (University of Tartu), Jürgen Heller (University of Tübingen), and Peter Hasto (University of Oulu).
22. In 2012, inaugural recipient of the Newcastle Psychology Research Visitor Fellowship, AUD\$5,000.
21. Partner investigator on the Australian Research Council AUD\$134,000 three-year project “Rapid Decisions: From Neuroscience to Complex Cognitions” (chief investigators: Scott Brown, Ami Eidels, and Andrew Heathcote; project duration: 2012–2014).
20. Partner investigator on the Australian Research Council AUD\$387,000 three-year project “Cognitive Flexibility from Adolescence to Senescence: Variability Associated with Cognitive Strategy and Brain Connectivity” (chief investigators: Frini Karayanidis, Rhoshel Lenroot, Mark Parsons, and Patricia Michie; project duration: 2012–2014).
19. In 2011, the project “Bayes or Bust: Sensible Hypothesis Tests for Social Scientists” was awarded a five-year €1,500,000 “consolidator” grant from the

European Research Council.

18. In 2011, the €23,000 Academy Colloquium proposal “New Insights from Model-Based Cognitive Neuroscience” was funded by the Royal Netherlands Academy of Arts and Sciences (KNAW). Fellow applicant is Birte Forstmann.

17. External advisor on the Engineering and Physical Sciences Research Council £1,858,354 project “Decision making in an unstable world” (investigators: Iain Gilchrist, Roland Baddeley, Rafal Bogacz, Simon Farrell, David Leslie, Casimir Ludwig, and John McNamara).

16. In 2011, the “MaGW open competition” PhD project “A dynamic and formal account of what people do before and after they make an error” was awarded a four-year €208,193 grant from the Netherlands Organisation for Scientific Research (NWO). Fellow applicants are Birte Forstmann, Sander Nieuwenhuis, and Han van der Maas.

15. Consultant on the NSF \$440,000 CAREER project “Cued recall: Theory and data” (PI Amy Criss, Syracuse University).

14. In 2010, the “ALW open competition” postdoc project “The neural basis of decision-making with multiple choice alternatives” was awarded a three-year €228,921 grant from the Netherlands Organisation for Scientific Research (NWO). Fellow applicants are Birte Forstmann, Sander Nieuwenhuis, Rafal Bogacz, Scott Brown, John Serences, and Han van der Maas.

13. In 2009, the project “Decision-making and adaptive control over impulsive actions” was awarded a €580,000 focal point (“Zwaartepunt”) grant from the University of Amsterdam. Fellow applicants include Richard Ridderinkhof, Frans van Winden, Damiaan Denys, and Birte Forstmann.

12. Co-applicant on the “ALW open competition” four-year €218,000 PhD grant proposal “The anatomical and neurochemical foundations of decision-making under time pressure”, funded by the Netherlands Organisation for Scientific Research (NWO). Fellow applicant and PI is Birte Forstmann.

11. The Socrates-Erasmus Intensive Programme “Formal Models and Quantitative Methods for Psychology” was awarded three grants from the Institute on Life Long Learning; €52,855 in 2008, €46,462 in 2009, and €46,017 in 2010. These grants supported the organization of 10-day seminars on mathematical psychology for students from 13 universities across Europe. Fellow applicants are Luca Stefanutti (University of Padova), Francis Tuerlinckx (Catholic University of Leuven), Martin Lages (University of Glasgow), Hans Colonius (University of Oldenburg), Akos Munnich (University of Debrecen), Thomas Augustin (University of Graz), Miguel Garcia-Perez (University Complutense of Madrid), Adele Diederich (Jacobs University of Bremen), Helena Bacelar Nicolau (University of Lisbon), Aire Raidvee (University of Tartu), Rolf Ulrich (University of Tübingen), and Peter Hasto (University of Oulu).

10. In 2007, the project “Diffusion Processes in the Brain” was awarded a one-year €28,220 “pilot” grant from the Netherlands Organisation for Scientific Research (NWO). Fellow applicants are Birte Forstmann, Scott Brown (University of Newcastle), and Jane Neumann (MPI Leipzig).
9. Consultant on the three-year \$430,000 Air Force Research Laboratory project “Modeling Exploration and Exploitation in Structured Environments” (PIs Michael D. Lee and Mark Steyvers, University of California at Irvine).
8. William K. Estes Early Career Award, Society for Mathematical Psychology. The annual award was presented at the 2007 Mathematical Psychology meeting in Irvine, USA.
7. In 2006, the project “Modeling the Relation Between Speed and Accuracy” was awarded a five-year €600,000 “Vidi” grant from the Netherlands Organisation for Scientific Research (NWO).
6. Paul Bertelson Early Career Award, The European Society for Cognitive Psychology (ESCoP). The bi-annual award was presented at the 2007 ESCoP conference in Marseille, France. “The Paul Bertelson award is designed to honor scientists at a relatively early stage of their scientific career, who have made an outstanding contribution to European Cognitive Psychology”.
5. Co-applicant on the “MaGW open competition” four-year €170,000 PhD grant proposal “Development of cognitive expertise in chess”, funded by the Netherlands Organisation for Scientific Research (NWO). Fellow applicants are Han van der Maas (PI) and Frenk van Harreveld.
4. In 2004, the project “Methods and Models for $1/f$ Noise in Human Cognition” was awarded a three-year €200,000 “Veni” grant from the Netherlands Organisation for Scientific Research (NWO).
3. Best Thesis Award, Dutch Psychonomic Society (NVP). The bi-annual award was presented at the 2003 NVP meeting in Egmond aan Zee, the Netherlands. The thesis is titled “Priming in Visual Word Recognition: Empirical Studies and Computational Models”.
2. Best Graduate Student Article Award, EPOS (i.e., a Dutch research school for experimental psychology). The award was presented at the 2000 EPOS meeting in Amsterdam, the Netherlands. The article is titled “Testing the counter model for perceptual identification: Effects of repetition priming and word frequency.” (Wagenmakers, Zeelenberg, & Raaijmakers, 2000).
1. Fulbright scholarship for an eight-month stay at Indiana University to work with Rich Shiffrin on the REM memory model (1999).

AD HOC
REVIEWING

- *Acta Psychologica*

- *Advances in Methods and Practices in Psychological Science*
- *American Journal of Preventive Medicine*
- *The American Psychologist*
- *The American Statistician*
- *Attention, Perception, & Psychophysics*
- *Basic and Applied Social Psychology*
- *Basic Research Funding Program of the Athens University of Economics and Business*
- *Behavior Research Methods*
- *Behavioral and Brain Sciences*
- *Biological Psychiatry*
- *Biology Letters*
- *Biometrika*
- *Brain and Cognition*
- *Cambridge University Press book proposals*
- *Canadian Journal of Experimental Psychology*
- *The Canadian Journal of Statistics*
- *Child Development*
- *Clinical Chemistry*
- *Cognition*
- *Cognition and Emotion*
- *Cognitive Psychology*
- *Cognitive Science*
- *The Cognitive Science conference: 2004, 2007*
- *Colombian Journal of Statistics*
- *Communication Methods and Measures*
- *Comprehensive Results in Social Psychology*
- *Computational Psychiatry*
- *Computational Statistics and Data Analysis*
- *Cortex*
- *Current Biology*
- *Current Directions in Psychological Science*
- *Decision*
- *Developmental Psychology*
- *Electronic Journal of Statistics*
- *Experimental Brain Research*
- *The European Journal of Cognitive Psychology*

- *The European Journal of Developmental Psychology*
- *European Journal of Neuroscience*
- *The European Physical Journal B*
- *The European Psychologist*
- *IEEE Transactions on Signal Processing*
- *Field Methods*
- *Frontiers in Decision Neuroscience*
- *Frontiers in Neuroinformatics*
- *Frontiers in Perception Science*
- *Frontiers in Quantitative Psychology and Measurement*
- FWO (*Research Foundation Flanders*)
- *Group Processes and Intergroup Relations*
- *Human Brain Mapping*
- *International Journal of Information Technology and Decision Making*
- *International Journal of Methods in Psychiatric Research*
- *International Statistical Review*
- *Journal of the American Statistical Association*
- *Journal of Applied Statistics*
- *Journal of Affective Disorders*
- *Journal of Behavior Therapy and Experimental Psychiatry*
- *Journal of Cognitive Neuroscience*
- *Journal of Experimental Psychology: Human Perception & Performance*
- *Journal of Experimental Psychology: General*
- *Journal of Experimental Psychology: Learning, Memory, and Cognition*
- *Journal of Experimental Social Psychology*
- *Journal of Management*
- *Journal of Mathematical Psychology*
- *Journal of Memory and Language*
- *Journal of Neurophysiology*
- *Journal of Neuroscience*
- *The Journal of Problem Solving*
- *Journal of the Royal Society Interface*
- *Journal of Statistical Planning and Inference*
- *Journal of Vision*
- *Learning and Individual Differences*
- *Management Science*
- *Memory*

- *Memory & Cognition*
- *Motor Control*
- *Multivariate Behavioral Research*
- *Nature Human Behaviour*
- *Nature Reviews Neuroscience*
- *Nature Neuroscience*
- NIPS (*Neural Information Processing Systems*) conferences: 2002, 2003, 2007
- *Neural Computation*
- *Neural Networks*
- *Neuropsychology*
- *Neuron*
- NSF (*National Science Foundation*)
- NWO (*Netherlands Organisation for Scientific Research*), MaGW Research Talent programme
- NWO (*Netherlands Organisation for Scientific Research*), MaGW Vidi programme
- *Perception & Psychophysics*
- *Physica A*
- *PLoS ONE*
- *PLoS Biology*
- *PLoS Computational Biology*
- *Proceedings of the National Academy of Sciences*
- *Psychonomic Bulletin & Review*
- *Psychological Assessment*
- *Psychological Bulletin*
- *Psychological Methods*
- *Psychological Research*
- *Psychological Review*
- *Psychology and Aging*
- *Psychology of Popular Media Culture*
- *Psychometrika*
- *Quarterly Journal of Experimental Psychology*
- *Review of General Psychology*
- *Royal Society Open Science*
- *Science*
- *Self and Identity*
- *Social Psychological and Personality Science*

- *Social Sciences and Humanities Research Council of Canada*
- *Springer* book proposals
- *Statistica Neerlandica*
- *Statistical Science*
- *Statistics and Probability Letters*
- *Swiss National Science Foundation*
- *Theory & Psychology*
- *Topics in Cognitive Science*
- *Trends in Cognitive Sciences*
- *WIREs Computational Statistics*

BOOKS

Wixted, J. T. & Wagenmakers, E.-J. (Eds., in press). *Stevens' handbook of experimental psychology and cognitive neuroscience (4th ed.): Volume 4: Methodology*. New York: Wiley.

Forstmann, B. U., & Wagenmakers, E.-J. (Eds., 2015) *An introduction to model-based cognitive neuroscience*. Springer.

Lee, M. D., & Wagenmakers, E.-J. (2013). *Bayesian cognitive modeling: A practical course*. Cambridge University Press. See also www.bayesmodels.com. Japanese translation: 2017.

ARTICLES

203. Monden, R., Roest, A. M., van Ravenzwaaij, D., Wagenmakers, E.-J., Morey, R., Wardenaar, K. J., & de Jonge, P. (in press). The comparative evidence basis for the efficacy of second-generation antidepressants in the treatment of depression in the US: A Bayesian meta-analysis of food and drug administration reviews. *Journal of Affective Disorders*.

202. Ly, A., Raj, A., Marsman, M., Etz, A., & Wagenmakers, E.-J. (in press). Bayesian reanalyses from summary statistics: A guide for academic consumers. *Advances in Methods and Practices in Psychological Science*.

201. Derks, K., Burger, J., van Doorn, J., Kossakowski, J. J., Matzke, D., Atticiati, L., Beitner, J., Benzesin, V., de Bruijn, A. L., Cohen, T. R. H., Cordesius, E. P. A., van Dekken, M., Delvendahl, N., Dobbelaar, S., Groenendijk, E. R., Hermans, M. E., Hiekkaranta, A. P., Hoekstra, R. H. A., Hoffmann, A. M., Hogenboom, S. A. M., Kahveci, S., Karaban, I. J., Kevenaer, S. T., te Koppele, J. L., Kramer, A.-W., Kroon, E., Kucharský, Š., Lieuw-On, R., Lunansky, G., Matzen, T. P., Meijer, A., Nieper, A., de Nooij, L., Poelstra, L., van der Putten, W. J., Sarafoglou, A., Schaaf, J. V., van de Schraaf, S. A. J., van Schuppen, S., Schutte, M. H. M., Seibold, M., Slagter, S. K., Snoek, A. C., Stracke, S., Tamimy, Z., Timmers, B., Tran, H., Uduwa-Vidanalage, E. S., Vergeer, L., Vossoughi, L., Ycel, D. E., & Wagenmakers, E.-J. (in press). Network models

to organize a dispersed literature: The case of misunderstanding analysis of covariance. *Journal of European Psychology Students*.

200. Hoekstra, R., Monden, R., van Ravenzwaaij, D., & Wagenmakers, E.-J. (in press). Bayesian reanalysis of null results reported in the *New England Journal of Medicine*: Strong yet variable evidence for the absence of treatment effects. *PLOS ONE*.

199. Aczel, B., Palfi, B., Szollosi, A., Kovacs, M., Szaszi, B., Szecsi, P., Zrubka, M., Gronau, Q. F., van den Bergh, D., & Wagenmakers, E.-J. (in press). Quantifying support for the null hypothesis in psychology: An empirical investigation. *Advances in Methods and Practices in Psychological Science*.

198. Wagenmakers, E.-J., Dutilh, G., & Sarafoglou, A. (in press). The creativity-verification cycle in psychological science: New methods to combat old idols. *Perspectives on Psychological Science*.

197. Ernst, A. F., Hoekstra, R., Wagenmakers, E.-J., Gelman, A., van Ravenzwaaij, D. (in press). Do researchers anchor their beliefs on the outcome of an initial study? Testing the time-reversal heuristic. *Experimental Psychology*

196. Hu, C.-P., Kong, X.-Z., Wagenmakers, E.-J., Ly, A., & Peng, K. (in press). The Bayes factor and its implementation in JASP: A practical primer. *Advances in Psychological Science*. [in Chinese]

195. Houtkoop, B. L., Chambers, C., Macleod, M., Bishop, D., Nichols, T., & Wagenmakers, E.-J. (2018). Data sharing in psychology: A survey on barriers and preconditions. *Advances in Methods and Practices in Psychological Science*, 1, 70–85.

194. Evans, N. J., Hawkins, G. E., Boehm, U., Wagenmakers, E.-J., & Brown, S. D. (2017). The computations that support simple decision-making: A comparison between the diffusion and urgency-gating models. *Scientific Reports*, 7.

193. Love, J., Selker, R., Marsman, M., Jamil, T., Dropmann, D., Verhagen, A. J., Ly, A., Gronau, Q. F., Šmíra, M., Epskamp, S., Matzke, D., Wild, A., Knight, P., Rouder, J. N., Morey, R. D., Wagenmakers, E.-J. (in press). JASP – graphical statistical software for common statistical designs. *Journal of Statistical Software*.

192. Gronau, Q. F., Sarafoglou, A., Matzke, D., Ly, A., Boehm, U., Marsman, M., Leslie, D. S., Forster, J. J., Wagenmakers, E.-J., & Steingroever, H. (in press). A tutorial on bridge sampling. *Journal of Mathematical Psychology*.

191. Beek, T., Matzke, D., Pinto, Y., Rotteveel, M., Gierholz, A., Selker, R., Sasiadek, A., Steingroever, H., Jostmann, N., & Wagenmakers, E.-J. (in press). Incidental haptic sensations may not influence social judgments: A

purely confirmatory replication attempt of Study 1 by Ackerman, Nocera, & Bargh (2010). *Journal of Articles in Support of the Null Hypothesis*.

190. Silberzahn, R., Uhlmann, E. L., Martin, D. P., Anselmi, P., Aust, F., Awtrey, E., Bahník, Š., Bai, F., Bannard, C., Bonnier, E., Carlsson, R., Cheung, F., Christensen, G., Clay, R., Craig, M. A., Dalla Rosa, A., Dam, L., Evans, M. H., Flores Cervantes, I., Fong, N., Gamez-Djokic, M., Glenz, A., Gordon-McKeon, S., Heaton, T. J., Hederos Eriksson, K., Heene, M., Hofelich, Mohr, A. J., Högden F., Hui, K., Johannesson, M., Kalodimos, J., Kaszubowski, E., Kennedy, D. M., Lei, R., Lindsay, T. A., Liverani, S., Madan, C. R., Molden, D., Molleman, E., Morey, R. D., Mulder, L. B., Nijstad, B. R., Pope, N. G., Pope, B., Prenoveau, J. M., Rink, F., Robusto, E., Roderique, H., Sandberg, A., Schlüter, E., Schönbrodt, F. D., Sherman, M. F., Sommer, S. A., Sotak, K., Spain, S., Spörlein C., Stafford, T., Stefanutti, L., Tauber, S., Ullrich, J., Vianello, M., Wagenmakers, E.-J., Witkowiak, M., Yoon, S., & Nosek, B. A. (in press). Many analysts, one dataset: Making transparent how variations in analytical choices affect results. *Advances in Methods and Practices in Psychological Science*.

189. Matzke, D., Ly, A., Selker, R., Weeda, W. D., Scheibehenne, B., Lee, M. D. (2017). Bayesian inference for correlations in the presence of measurement error and estimation uncertainty. *Collabra: Psychology*, 3, 25.

188. Benjamin, D. J., Berger, J. O., Johannesson, M., Nosek, B. A., Wagenmakers, E.-J., Berk, R., Bollen, K. A., Brembs, B., Brown, L., Camerer, C., Cesarini, D., Chambers, C. D., Clyde, M., Cook, T. D., De Boeck, P., Dienes, Z., Dreber, A., Easwaran, K., Efferson, C., Fehr, E., Fidler, F., Field, A. P., Forster, M., George, E. I., Gonzalez, R., Goodman, S., Green, E., Green, D. P., Greenwald, A., Hadfield, J. D., Hedges, L. V., Held, L., Ho, T.-H., Hoijsink, H., Holland Jones, J., Hruschka, D. J., Imai, K., Imbens, G., Ioannidis, J. P. A., Jeon, M., Kirchler, M., Laibson, D., List, J., Little, R., Lupia, A., Machery, E., Maxwell, S. E., McCarthy, M., Moore, D., Morgan, S. L., Munafò, M., Nakagawa, S., Nyhan, B., Parker, T. H., Pericchi, L., Perugini, M., Rouder, J., Rousseau, J., Savalei, V., Schönbrodt, F. D., Sellke, T., Sinclair, B., Tingley, D., Van Zandt, T., Vazire, S., Watts, D. J., Winship, C., Wolpert, R. L., Xie, Y., Young, C., Zinman, J., & Johnson, V. E. (in press). Redefine statistical significance. *Nature Human Behaviour*.

187. van Erp, S., Verhagen, A. J., Grasman, R. P. P. P., & Wagenmakers, E.-J. (2017). Estimates of between-study heterogeneity for 705 meta-analyses reported in *Psychological Bulletin* from 1990-2013. *Journal of Open Psychology Data*, 5:4.

186. Scheibehenne, B., Gronau, Q. F., Jamil, T., & Wagenmakers, E.-J. (2017). Fixed or random? A resolution through model-averaging. Reply to Carlsson, Schimmack, Williams, and Burkner. *Psychological Science*, 28, 1698–1701.

185. Ly, A., Marsman, M., Verhagen, A. J., Grasman, R. P. P. P., & Wagenmak-

- ers, E.-J. (2017). A tutorial on Fisher information. *Journal of Mathematical Psychology*, *80*, 40–55.
184. Boehm, U., Steingroever, H., & Wagenmakers, E.-J. (in press). Using Bayesian regression to test hypotheses about relationships between parameters and covariates in cognitive models. *Behavior Research Methods*.
183. Wagenmakers, E.-J., Love, J., Marsman, M., Jamil, T., Ly, A., Verhagen, A. J., Selker, R., Gronau, Q. F., Dropmann, D., Boutin, B., Meerhoff, F., Knight, P., Raj, A., van Kesteren, E.-J., van Doorn, J., Šmíra, M., Epskamp, S., Etz, A., Matzke, D., de Jong, T., van den Bergh, D., Sarafoglou, A., Steingroever, H., Derks, K., Rouder, J. N., & Morey, R. D. (2018). Bayesian inference for psychology. Part II: Example applications with JASP. *Psychonomic Bulletin & Review*, *25*, 58–76.
182. Gronau, Q. F., van Erp, S., Heck, D. W., Cesario, J., Jonas, K. J., & Wagenmakers, E.-J. (2017). A Bayesian model-averaged meta-analysis of the power pose effect with informed and default priors: The case of felt power. *Comprehensive Results in Social Psychology*, *2*, 123–138.
181. Ly, A., Marsman, M., & Wagenmakers, E.-J. (2018). Analytic posteriors for Pearson’s correlation coefficient. *Statistica Neerlandica*, *72*, 4–13.
180. Gronau, Q. F., Duizer, M., Bakker, M., & Wagenmakers, E.-J. (2017). Bayesian mixture modeling of significant p values: A meta-analytic method to estimate the degree of contamination from \mathcal{H}_0 . *Journal of Experimental Psychology: General*, *146*, 1223–1233.
179. Wagenmakers, E.-J. (in press). Comment on Gelman and Hennig, “Beyond subjective and objective in statistics”. *Journal of the Royal Statistical Society A*.
178. Keuken, M. C., Ly, A., Boekel, W. E., Wagenmakers, E.-J., Belay, L., Verhagen, A. J., Brown, S. D., & Forstmann, B. U. (2017). Corrigendum for: A purely confirmatory replication study of structural brain-behavior correlations. *Cortex*, *93*, 229–233.
177. van Elk, M. & Wagenmakers, E.-J. (2017). Can the experimental study of religion be advanced using a Bayesian predictive framework? *Religion, Brain & Behavior*, *7*, 331–334.
176. Dutilh, G., Vandekerckhove, J., Ly, A., Matzke, D., Pedroni, A., Frey, R., Rieskamp, J., & Wagenmakers, E.-J. (2017). A test of the diffusion model explanation for the worst performance rule using preregistration and blinding. *Attention, Perception, & Psychophysics*, *79*, 713–725.
175. Schönbrodt, F., & Wagenmakers, E.-J. (2018). Bayes factor design analysis: Planning for compelling evidence. *Psychonomic Bulletin & Review*, *25*,

174. Wagenmakers, E.–J., Marsman, M., Jamil, T., Ly, A., Verhagen, A. J., Love, J., Selker, R., Gronau, Q. F., Šmíra, M., Epskamp, S., Matzke, D., Rouder, J. N., Morey, R. D. (2018). Bayesian inference for psychology. Part I: Theoretical advantages and practical ramifications. *Psychonomic Bulletin & Review*, *25*, 35–57.
173. Marsman, M., Schönbrodt, F., Morey, R. D., Yao, Y., Gelman, A., & Wagenmakers, E.–J. (2017). A Bayesian bird’s eye view of “Replications of Important Results in Social Psychology”. *Royal Society Open Science*, *4*: 160426.
172. Munafò, M. R., Nosek, B. A., Bishop, D. V. M., Button, K. S., Chambers, C. D., Percie du Sert, N., Simonsohn, U., Wagenmakers, E.–J., Ware, J. J., & Ioannidis, J. P. A. (2017). A manifesto for reproducible science. *Nature Human Behaviour*, *1*, 0021.
172. Etz, A., & Wagenmakers, E.–J. (2017). J. B. S. Haldane’s contribution to the Bayes factor hypothesis test. *Statistical Science*, *32*, 313–329.
171. Marsman, M., & Wagenmakers, E.–J. (2017). Bayesian benefits with JASP. *European Journal of Developmental Psychology*, *14*, 545–555.
170. Forstmeier, W., Wagenmakers, E.–J., & Parker, T. (2017). Detecting and avoiding likely false–positive findings — A practical guide. *Biological Reviews*, *92*, 1941–1968.
169. Gronau, Q. F., & Wagenmakers, E.–J. (in press). Bayesian evidence accumulation in experimental mathematics: A case study of four irrational numbers. *Experimental Mathematics*.
168. van Doorn, J., Ly, A., Marsman, M., & Wagenmakers, E.–J. (in press). Bayesian inference for Kendall’s rank correlation coefficient. *The American Statistician*.
167. Field, S. M., Wagenmakers, E.–J., Newell, B. R., Zeelenberg, R., & van Ravenzwaaij, D. (in press). Two Bayesian tests of the GLOMO^{sys} model. *Journal of Experimental Psychology: General*.
166. Tierney, W., Schweinsberg, M., Jordan, J., Kennedy, D., Qureshi, I., Sommer, S. A., Thornley, N., Madan, N., Vianello, M., Awtrey, E., Zhu, L., Diermeier, D., Heinze, J., Srinivasan, M., Tannenbaum, D., Bivolaru, E., Dana, J., Davis–Stober, C., du Plessis, C., Gronau, Q. F., Hafenbrack, A., Liao, E., Ly, A., Marsman, M., Murase, T., Schaerer, M., Tworek, C., Wagenmakers, E.–J., Wong, L., Anderson, T., Bauman, C., Bedwell, W., Brescoll, V., Canavan, A., Chandler, J., Cheries, E., Cheryan, S., Cheung, F., Cimpian, A., Clark, M., Cordon, D., Cushman, F., Ditto, P., Amell, A., Frick, S., Gamez–Djokic, M., Grady, R., Graham, J., Gu, J., Hahn, A., Hanson, B., Hartwich, N., Hein,

K., Inbar, Y., Jiang, L., Kellogg, T., Legate, N., Luoma, T., Maibeucher, H., Meindl, P., Miles, J., Mislin, A., Molden, D., Motyl, M., Newman, G., Ngo, H. H., Packham, H., Ramsay, P. S., Ray, J., Sackett, A., Sellier, A.-L., Sokolova, T., Sowden, W., Storage, D., Sun, X., van Bavel, J., Washburn, A., Wei, C., Wetter, E., Wilson, C., Darroux, S.-C., & Uhlmann, E. (2016). Data from a pre-publication independent replication initiative examining ten moral judgement effects. *Scientific Data*, *3*, 160082.

165. Wagenmakers, E.-J., Beek, T., Dijkhoff, L., Gronau, Q. F., Acosta, A., Adams, R. B., Jr., Albohn, D. N., Allard, E. S., Benning, S. D., Blouin-Hudon, E.-M., Bulnes, L. C., Caldwell, T. L., Calin-Jageman, R. J., Capaldi, C. A., Carfagno, N. S., Chasten, K. T., Cleeremans, A., Connell, L., DeCicco, J. M., Dijkstra, K., Fischer, A. H., Foroni, F., Hess, U., Holmes, K. J., Jones, J. L. H., Klein, O., Koch, C., Korb, S., Lewinski, P., Liao, J. D., Lund, S., Lupiáñez, J., Lynott, D., Nance, C. N., Oosterwijk, S., Özdoğru, A. A., Pacheco-Unguetti, A. P., Pearson, B., Powis, C., Riding, S., Roberts, T.-A., Rumiati, R. I., Senden, M., Shea-Shumsky, N. B., Sobocko, K., Soto, J. A., Steiner, T. G., Talarico, J. M., van Allen, Z. M., Vandekerckhove, M., Wainwright, B., Wayand, J. F., Zeelenberg, R., Zetzer, E. E., Zwaan, R. A. (2016). Registered Replication Report: Strack, Martin, & Stepper (1988). *Perspectives on Psychological Science*, *11*, 917–928.

164. Marsman, M., Ly, A., & Wagenmakers, E.-J. (2016). Four Requirements for an Acceptable Research Program. *Basic and Applied Social Psychology*, *38*, 308–312.

163. Rouder, J. N., Morey, R. D., Verhagen, J. A., Province, J. M., & Wagenmakers, E.-J. (2016). Is there a free lunch in inference? *Topics in Cognitive Science*, *8*, 520–547.

162. Heck, D. W., & Wagenmakers, E.-J. (2016). Adjusted priors for Bayes factors involving reparameterized order constraints. *Journal of Mathematical Psychology*, *73*, 110–116.

161. Jamil, T., Ly, A., Morey, R. D., Love, J., Marsman, M., & Wagenmakers, E.-J. (2017). Default “Gunnel and Dickey” Bayes factors for contingency tables. *Behavior Research Methods*, *49*, 638–652.

160. Rouder, J. N., Morey, R. D., & Wagenmakers, E.-J. (2016). The interplay between subjectivity, statistical practice, and psychological science. *Collabra*, *2*, 1–12.

159. Scheibehenne, B., Jamil, T., & Wagenmakers, E.-J. (2016). Bayesian evidence synthesis can reconcile seemingly inconsistent results: The case of hotel towel reuse. *Psychological Science*, *27*, 1043–1046.

158. Jamil, T., Marsman, M., Ly, A., Morey, R. D., & Wagenmakers, E.-J. (2017). What are the odds? Modern relevance and Bayes factor solutions

for MacAlister’s problem from the 1881 *Educational Times*. *Educational and Psychological Measurement*, 77, 819–830.

157. Wagenmakers, E.-J., Morey, R. D., & Lee, M. D. (2016). Bayesian benefits for the pragmatic researcher. *Current Directions in Psychological Science*, 25, 169–176.

156. Monden, R., de Vos, S., Morey, R. D., Wagenmakers, E.-J., de Jonge, P., & Roest, A. M. (2016). Toward evidence-based medical statistics: A Bayesian analysis of double-blind placebo-controlled antidepressant trials in the treatment of anxiety disorders. *International Journal of Methods in Psychiatric Research*, 25, 299–308.

155. van Ravenzwaaij, D., Mulder, M. J., Tuerlinckx, F., & Wagenmakers, E.-J. (2015). Paradoxes of optimal decision making: A response to Moran (2014). *Psychonomic Bulletin & Review*, 22, 307–308.

154. Mulder, J., & Wagenmakers, E.-J. (2016). Editors’ introduction to the special issue “Bayes factors for testing hypotheses in psychological research: Practical relevance and new developments”. *Journal of Mathematical Psychology*, 72, 1–5.

153. Marsman, M., & Wagenmakers, E.-J. (2017). Three insights from a Bayesian interpretation of the one-sided P value. *Educational and Psychological Measurement*, 77, 529–539.

152. Ly, A., Verhagen, A. J., & Wagenmakers, E.-J. (2016). An evaluation of alternative methods for testing hypotheses, from the perspective of Harold Jeffreys. *Journal of Mathematical Psychology*, 72, 43–55.

151. Wetzels, R., Tutschkow, D., Dolan, C., van der Sluis, S., Dutilh, G., & Wagenmakers, E.-J. (2016). A Bayesian test for the hot hand phenomenon. *Journal of Mathematical Psychology*, 72, 200–209.

150. Morey, R. D., Chambers, C. D., Etchells, P. J., Harris, C. R., Hoekstra, R., Lakens, D., Lewandowsky, S., Morey, C. C., Newman, D. P., Schönbrodt, F., Vanpaemel, W., Wagenmakers, E.-J., & Zwaan, R. A. (2016). The Peer Reviewers’ Openness Initiative: Incentivising open research practices through peer review. *Royal Society Open Science*, 3:150547. See <https://opennessinitiative.org/>.

149. Schweinsberg, M., Madan, N., Vianello, M., Sommer, S. A., Jordan, J., Tierney, W., Awtrey, E., Zhu, L., Diermeier, D., Heinze, J., Srinivasan, M., Tannenbaum, D., Bivolaru, E., Dana, J., Davis-Stober, C. P., Du Plessis, C., Gronau, Q. F., Hafenbrack, A. C., Liao, E. Y., Ly, A., Marsman, M., Murase, T., Qureshi, I., Schaerer, M., Thornley, N., Tworek, C. M., Wagenmakers, E.-J., Wong, L., Anderson, T., Bauman, C. W., Bedwell, W. L., Brescoll, V., Canavan, A., Chandler, J. J., Cheries, E., Cheryan, S., Cheung, F., Cimpian,

- A., Clark, M., Cordon, D., Cushman, F., Ditto, P. H., Donahue, T., Frick, S. E., Gamez-Djokic, M., Hofstein Grady, R., Graham, J., Gu, J., Hahn, A., Hanson, B. E., Hartwich, N. J., Hein, K., Inbar, Y., Jiang, L., Kellogg, T., Kennedy, D. M., Legate, N., Luoma, T. P., Maibeucher, H., Meindl, P., Miles, J., Mislin, A., Molden, D. C., Motyl, M., Newman, G., Ngo, H. H., Packham, H., Ramsay, P. S., Ray, J. L., Sackett, A. M., Sellier, A-L., Sokolova, T., Sowden, W., Storage, D., Sun, X., Van Bavel, J. J., Washburn, A. N., Wei, C., Wetter, E., Wilson, C., Darroux, S-C., & Uhlmann, E. L. (2016). The pipeline project: Pre-publication independent replications of a single laboratory's research pipeline. *Journal of Experimental Social Psychology, 66*, 55–67.
148. Boehm, U., Hawkins, G. E., Brown, S. D., van Rijn, H., & Wagenmakers, E.-J. (2016). Of monkeys and men: Impatience in perceptual decision-making. *Psychonomic Bulletin & Review, 23*, 738-749.
147. Terry, A., Marley, A. A. J., Barnwal, A., Wagenmakers, E.-J., Heathcote, A., & Brown, S. D. (2015). Generalising the drift rate distribution for linear ballistic accumulators. *Journal of Mathematical Psychology, 68/69*, 49–58.
146. Morey, R. D., Hoekstra, R., Rouder, J. N., & Wagenmakers, E.-J. (2016). Continued misinterpretation of confidence intervals: Response to Miller and Ulrich. *Psychonomic Bulletin & Review, 23*, 131–140.
145. Morey, R. D., Hoekstra, R., Rouder, J. N., Lee, M. D., & Wagenmakers, E.-J. (2016). The fallacy of placing confidence in confidence intervals. *Psychonomic Bulletin & Review, 23*, 103–123.
144. van Elk, M., Matzke, D., Gronau, Q. F., Guan, M., Vandekerckhove, J., & Wagenmakers, E.-J. (2015). Meta-analyses are no substitute for registered replications: A skeptical perspective on religious priming. *Frontiers in Psychology, 6:1365*.
143. Boekel, W., Forstmann, B. U., & Wagenmakers, E.-J. (2016). Challenges in replicating brain-behavior correlations: Rejoinder to Kanai (2015) and Muhler and Ridgway (2015). *Cortex, 74*, 348-352.
142. Open Science Collaboration (2015). Estimating the reproducibility of psychological science. *Science, 349*, aac4716. Named #8 of Top 100 Stories of 2015 by Discover Magazine, #6 by Science News, #5 in Altmetric100, Nature Magazine's Top Science Stories of 2015, and a runner-up for "Breakthrough of the Year" by Science Magazine.
141. Schönbrodt, F. D., Wagenmakers, E.-J., Zehetleitner, M., & Perugini, M. (2017). Sequential hypothesis testing with Bayes factors: Efficiently testing mean differences. *Psychological Methods, 22*, 322–339.
140. Wagenmakers, E.-J. (2015). A quartet of interactions. *Cortex, 73*, 334–335.

139. Cramer, A. O. J., van Ravenzwaaij, D., Matzke, D., Steingroever, H., Wetzels, R., Grasman, R. P. P. P., Waldorp, L. J., & Wagenmakers, E.-J. (2016). Hidden multiplicity in multiway ANOVA: Prevalence, consequences, and remedies. *Psychonomic Bulletin & Review*, *23*, 640–647.
138. Steingroever, H., Wetzels, R., & Wagenmakers, E.-J. (2016). Bayes factors for reinforcement-learning models of the Iowa Gambling Task. *Decision*, *3*, 115–131.
137. Rouder, J. N., Morey, R. D., Verhagen, A. J., Swagman, A. R., & Wagenmakers, E.-J. (2017). Bayesian analysis of factorial designs. *Psychological Methods*, *22*, 304–321.
136. Ly, A., Verhagen, A. J., & Wagenmakers, E.-J. (2016). Harold Jeffreys’s default Bayes factor hypothesis tests: Explanation, extension, and application in psychology. *Journal of Mathematical Psychology*, *72*, 19–32.
135. Heck, D., Wagenmakers, E.-J., & Morey, R. D. (2015). Testing order constraints: Qualitative differences between Bayes factors and Normalized Maximum Likelihood. *Statistics and Probability Letters*, *105*, 157–162.
134. Nosek, B. A., Alter, G., Banks, G. C., Borsboom, D., Bowman, S. D., Breckler, S. J., Buck, S., Chambers, C. D., Chin, G., Christensen, G., Contestabile, M., Dafoe, A., Eich, E., Freese, J., Glennerster, R., Goroff, D., Green, D. P., Hesse, B., Humphreys, M., Ishiyama, J., Karlan, D., Kraut, A., Lupia, A., Mabry, P., Madon, T. A., Malhotra, N., Mayo-Wilson, E., McNutt, M., Miguel, E., Levy Paluck, E., Simonsohn, U., Soderberg, C., Spellman, B. A., Turitto, J., VandenBos, G., Vazire, S., Wagenmakers, E. J., Wilson, R., & Yarkoni, T. (2015). Promoting an open research culture. *Science*, *348*, 1422–1425.
133. Morey, R. D., Wagenmakers, E.-J., & Rouder, J. N. (2016). Calibrated Bayes factors should not be used: A reply to Hoijtink, van Kooten, and Hulsker. *Multivariate Behavioral Research*, *51*, 11–19.
132. Hawkins, G., Wagenmakers, E.-J., Ratcliff, R., & Brown, S. D. (2015). Discriminating evidence accumulation from urgency signals in speeded decision making. *The Journal of Neurophysiology*, *114*, 40–47.
131. Wagenmakers, E.-J., Verhagen, A. J., & Ly, A. (2016). How to quantify the evidence for the absence of a correlation. *Behavior Research Methods*, *48*, 413–426.
130. Wagenmakers, E.-J., Beek, T., Rotteveel, M., Gierholz, A., Matzke, D., Steingroever, H., Ly, A., Verhagen, A. J., Selker, R., Sasiadek, A., Gronau, Q. F., Love, J., & Pinto, Y. (2015). Turning the hands of time again: A purely confirmatory replication study and a Bayesian analysis. *Frontiers in Psychology: Cognition*, *6*:494.

129. Steingroever, H., Fridberg, D. J., Horstmann, A., Kjöme, K. L., Kumari, V., Lane, S. D., Maia, T. V., McClelland, J. L., Pachur, T., Premkumar, P., Stout, J. C., Wetzels, R., Wood, S., Worthy, D. A., & Wagenmakers, E.-J. (2015). Data from 617 healthy participants performing the Iowa gambling task: A “many labs” collaboration. *Journal of Open Psychology Data*, *3*:e5.
128. Rotteveel, M., Gierholz, A., Koch, G., van Aalst, C., Pinto, Y., Matzke, D., Steingroever, H., Verhagen, J., Beek, T. F., Selker, R., Sasiadek, A., & Wagenmakers, E.-J. (2015). On the automatic link between affect and tendencies to approach and avoid: Chen and Bargh (1999) revisited. *Frontiers in Psychology: Cognition*, *6*:335.
127. Steingroever, H., Wetzels, R., & Wagenmakers, E.-J. (2015). $w = .2$, $a = .8$, $c = .6$: So what? On the meaning of parameter estimates from reinforcement-learning models. *Decision*, *2*, 228–235.
126. van Maanen, L., Forstmann, B. U., Keuken, M. C., Wagenmakers, E.-J., & Heathcote, A. (2016). The impact of MRI scanner environment on perceptual decision making. *Behavior Research Methods*, *48*, 184–200.
125. Nieuwenstein, M. R., Wierenga, T., Morey, R. D., Wicherts, J. M., Blom, T. N., Wagenmakers, E.-J., & van Rijn, H. (2015). On making the right choice: A meta-analysis and large-scale replication attempt of the unconscious thought advantage. *Judgment and Decision Making*, *10*, 1–17. Featured in *Nature*.
124. de Hollander, G., Wagenmakers, E.-J., Waldorp, L., & Forstmann, B. (2014). An antidote to the imager’s fallacy, or how to identify brain areas that are in limbo. *PLOS ONE*, *9*, e115700.
123. Hawkins, G. E., Forstmann, B. U., Wagenmakers, E.-J., Ratcliff, R., & Brown, S. D. (2015). Revisiting the evidence for collapsing boundaries and urgency signals in perceptual decision-making. *Journal of Neuroscience*, *35*, 2476–2484.
122. Boekel, W., Wagenmakers, E.-J., Belay, L., Verhagen, A. J., Brown, S. D., & Forstmann, B. U. (in press). A purely confirmatory replication study of structural brain-behavior correlations. *Cortex*.
121. Zhang, S., Lee, M. D., Vandekerckhove, J., Maris, G., & Wagenmakers, E.-J. (2014). Time-varying boundaries for diffusion models of decision making and response time. *Frontiers in Psychology: Quantitative Psychology and Measurement*, *5*:1364.
120. Krypotos, A.-M., Beckers, T., Kindt, M., & Wagenmakers, E.-J. (2015). A Bayesian hierarchical diffusion model decomposition of performance in approach-avoidance tasks. *Cognition & Emotion*, *29*, 1424-1444.
119. Andraszewicz, S., Scheibehenne, B., Rieskamp, J., Grasman, R. P. P. P.,

- Verhagen, A. J., & Wagenmakers, E.-J. (2015). An introduction to Bayesian hypothesis testing for management research. *Journal of Management*, *41*, 521–543.
118. Matzke, D., Nieuwenhuis, S., van Rijn, H., Slagter, H. A., van der Molen, M. W., & Wagenmakers, E.-J. (2015). The effect of horizontal eye movements on free recall: A preregistered adversarial collaboration. *Journal of Experimental Psychology: General*, *144*, e1–e15.
117. Wagenmakers, E.-J., Verhagen, A. J., Ly, A., Bakker, M., Lee, M. D., Matzke, D., Rouder, J. N., & Morey, R. D. (2015). A power fallacy. *Behavior Research Methods*, *47*, 913–917.
116. Munafò, M., Noble, S., Browne, W., Brunner, D., Button, K., Ferreira, J., Holmans, P., Langbehn, D., Lewis, G., Lindquist, M., Tilling, K., Wagenmakers, E.-J., & Blumenstein, R. (2014). Scientific rigor and the art of motorcycle maintenance. *Nature Biotechnology*, *32*, 871–873.
115. Morey, R. D., & Wagenmakers, E.-J. (2014). Simple relation between Bayesian order-restricted and point-null hypothesis tests. *Statistics and Probability Letters*, *92*, 121–124.
114. van Ravenzwaaij, D., Boekel, W., Forstmann, B., Ratcliff, R., & Wagenmakers, E.-J. (2014). Action video games do not improve the speed of information processing in simple perceptual tasks. *Journal of Experimental Psychology: General*, *143*, 1794–1805.
113. Verhagen, A. J., & Wagenmakers, E.-J. (2014). Bayesian tests to quantify the result of a replication attempt. *Journal of Experimental Psychology: General*, *143*, 1457–1475.
112. Nuijten, M. B., Wetzels, R., Matzke, D., Dolan, C. V., & Wagenmakers, E.-J. (2015). A default Bayesian hypothesis test for mediation. *Behavior Research Methods*, *47*, 85–97.
111. Morey, R. D., Rouder, J. N., Verhagen, J., & Wagenmakers, E.-J. (2014). Why hypothesis tests are essential for psychological science: A comment on Cumming. *Psychological Science*, *25*, 1289–1290.
110. Hoekstra, R., Morey, R. D., Rouder, J. N., & Wagenmakers, E.-J. (2014). Robust misinterpretation of confidence intervals. *Psychonomic Bulletin & Review*, *21*, 1157–1164.
109. Steingroever, H., Wetzels, R., & Wagenmakers, E.-J. (2013). Validating the PVL-Delta model for the Iowa gambling task. *Frontiers in Decision Neuroscience*, *4*:898.
108. Matzke, D., Love, J., Wiecki, T. V., Brown, S. D., Logan, G. D., &

- Wagenmakers, E.-J. (2013). Release the BEESTS: Bayesian Estimation of Ex-Gaussian STop-Signal Reaction Time Distributions. *Frontiers in Quantitative Psychology and Measurement*, 4:918.
107. Winkel, J., Keuken, M. C., van Maanen, L., Wagenmakers, E.-J., & Forstmann, B. U. (2014). Early evidence affects later decisions: Why evidence accumulation is required to explain response time data. *Psychonomic Bulletin & Review*, 21, 777-784.
106. Heathcote, A., Wagenmakers, E.-J., & Brown, S. D. (2014). The falsifiability of actual decision-making models. *Psychological Review*, 121, 676-678.
105. Logan, G. D., Van Zandt, T., Verbruggen, F., & Wagenmakers, E.-J. (2014). On the ability to inhibit thought and action: General and special theories of an act of control. *Psychological Review*, 121, 66-95.
104. Steingroever, H., Wetzels, R., & Wagenmakers, E.-J. (2014). Absolute performance of reinforcement-learning models for the Iowa Gambling Task. *Decision*, 1, 161-183.
103. Wagenmakers, E.-J., & Forstmann, B. U. (2014). Rewarding high-power replication research. *Cortex*, 51, 105-106
102. Matzke, D., Dolan, C. V., Batchelder, W. H., & Wagenmakers, E.-J. (2015). Bayesian estimation of multinomial processing tree models with heterogeneity in participants and items. *Psychometrika*, 80, 205-235.
101. Mulder, M. J., Keuken, M. C., van Maanen, L., Boekel, W., Forstmann, B. U., & Wagenmakers, E.-J. (2013). The speed and accuracy of perceptual decisions in a random-tone pitch task. *Attention, Perception, & Psychophysics*, 75, 1048-1058.
100. Turner, B. M., Forstmann, B. U., Wagenmakers, E.-J., Brown, S. D., Sederberg, P. B., & Steyvers, M. (2013). A Bayesian framework for simultaneously modeling neural and behavioral data. *Neuroimage*, 72, 193-206.
99. Steingroever, H., Wetzels, R., & Wagenmakers, E.-J. (2013) A comparison of reinforcement-learning models for the Iowa Gambling Task using parameter space partitioning. *The Journal of Problem Solving*, 5.
98. Plöderl, M., Wagenmakers, E.-J., Tremblay, P., Ramsay, R., Kralovec, K., Fartacek, C., & Fartacek, R. (2013). Sexual orientation and suicide risk: A critical review. *Archives of Sexual Behavior*, 42, 715-727.
97. Pashler, H., & Wagenmakers, E.-J. (2012). Editors' introduction to the special section on replicability in psychological science: A crisis of confidence? *Perspectives on Psychological Science*, 7, 528-530. Featured in media around the world; downloaded over 215,000 times in the first 20 days.

96. Matzke, D., Dolan, C. V., Logan, G. D., Brown, S. D., & Wagenmakers, E.-J. (2013). Bayesian parametric estimation of stop–signal reaction time distributions. *Journal of Experimental Psychology: General*, *142*, 1047–1073.
95. Scheibehenne, B., Rieskamp, J., & Wagenmakers, E.-J. (2013). Testing adaptive toolbox models: A Bayesian hierarchical approach. *Psychological Review*, *120*, 39–64.
94. Wagenmakers, E.-J., Wetzels, R., Borsboom, D., van der Maas, H. L. J., & Kievit, R. A. (2012). An agenda for purely confirmatory research. *Perspectives on Psychological Science*, *7*, 627–633.
93. Dyjas, O., Grasman, R. P. P. P., Wetzels, R., van der Maas, H. L. J., & Wagenmakers, E.-J. (2012). What’s in a name: A Bayesian hierarchical analysis of the name–letter effect. *Frontiers in Quantitative Psychology and Measurement*, *3*:334.
92. Steingroever, H., Wetzels, R., Horstmann, A., Neumann, J., & Wagenmakers, E.-J. (2013). Performance of healthy participants on the Iowa Gambling Task. *Psychological Assessment*, *25*, 180–193.
91. Wetzels, R., & Wagenmakers, E.-J. (2012). A default Bayesian hypothesis test for correlations and partial correlations. *Psychonomic Bulletin & Review*, *19*, 1057–1064.
90. Dutilh, G., Forstmann, B. U., Vandekerckhove, J. & Wagenmakers, E.-J. (2013). A diffusion model account of age differences in posterror slowing. *Psychology and Aging*, *28*, 64–76.
89. Ho, T., Brown, S., van Maanen, L., Forstmann, B. U., Wagenmakers, E.-J., & Serences, J. (2012). The optimality of sensory processing during the speed-accuracy tradeoff. *Journal of Neuroscience*, *32*, 7992–8003.
88. van Ravenzwaaij, D., Mulder, M. J., Tuerlinckx, F., & Wagenmakers, E.-J. (2012). Do the dynamics of prior information depend on task context? An analysis of optimal performance and an empirical test. *Frontiers in Cognitive Science*, *3*:132.
87. Wetzels, R., Grasman, R. P. P. P., & Wagenmakers, E.-J. (2012). A default Bayesian hypothesis test for ANOVA designs. *The American Statistician*, *66*, 104–111.
86. Dutilh, G., van Ravenzwaaij, D., Nieuwenhuis, S., van der Maas, H. L. J., Forstmann, B. U., & Wagenmakers, E.-J. (2012). How to measure post-error slowing: A confound and a simple solution. *Journal of Mathematical Psychology*, *56*, 208–216.
85. Ortega, A., Wagenmakers, E.-J., Lee, M. D., Markowitsch, H. J., Piefke,

- M. (2012). A Bayesian latent group analysis for detecting poor effort in the assessment of malingering. *Archives of Clinical Neuropsychology*, *27*, 453–465.
84. Hawkins, G. E., Brown, S. D., Steyvers, M., & Wagenmakers, E.-J. (2012). An optimal adjustment procedure to minimize experiment time in decisions with multiple alternatives. *Psychonomic Bulletin & Review*, *19*, 339–348.
83. van Maanen, L., Grasman, R. P. P. P., Forstmann, B. U., Keuken, M. C., Brown, S. D., & Wagenmakers, E.-J. (2012). Similarity and number of alternatives in the random-dot motion paradigm. *Attention, Perception, & Psychophysics*, *74*, 739–753.
82. Mulder, M., Wagenmakers, E.-J., Ratcliff, R., Boekel, W., & Forstmann, B. U. (2012). Bias in the brain: A diffusion model analysis of prior probability and potential payoff. *Journal of Neuroscience*, *32*, 2335–2343.
81. van Maanen, L., Grasman, R. P. P. P., Forstmann, B. U., & Wagenmakers, E.-J. (2012). Piéron’s law and optimal behavior in perceptual decision-making. *Frontiers in Decision Neuroscience*, *5*:143.
80. Hawkins, G., Brown, S. D., Steyvers, M., & Wagenmakers, E.-J. (2012). Decision speed induces context effects in choice. *Experimental Psychology*, *59*, 206–215.
79. Huizenga, H., Wetzels, R., van Ravenzwaaij, R., & Wagenmakers, E.-J. (2012). Four empirical tests of Unconscious Thought Theory. *Organizational Behavior and Human Decision Processes*, *117*, 332–340.
78. Jepma, M., Wagenmakers, E.-J., & Nieuwenhuis, S. (2012). Temporal expectation and information processing: A model-based analysis. *Cognition*, *122*, 426–441.
77. Dutilh, G., Vandekerckhove, J., Forstmann, B. U., Keuleers, E., Brysbaert, M., & Wagenmakers, E.-J. (2012). Testing theories of post-error slowing. *Attention, Perception, & Psychophysics*, *74*, 454–465.
76. Wagenmakers, E.-J., Kryptos, A.-M., Criss, A. H., & Iverson, G. (2012). On the interpretation of removable interactions: A survey of the field 33 years after Loftus. *Memory & Cognition*, *40*, 145–160.
75. van Ravenzwaaij, D., van der Maas, H. L. J., & Wagenmakers, E.-J. (2012). Optimal decision making in neural inhibition models. *Psychological Review*, *119*, 201–215.
74. van Ravenzwaaij, D., Dutilh, G., & Wagenmakers, E.-J. (2012). A diffusion model decomposition of the effects of alcohol on perceptual decision making. *Psychopharmacology*, *219*, 1017–1025.

73. Hawkins, G., Brown, S. D., Steyvers, M., & Wagenmakers, E.-J. (2012). Context effects in multi-alternative decision making: Empirical data and a Bayesian model. *Cognitive Science*, *36*, 498–516.
72. Wagenmakers, E.-J., van der Maas, H. L. J., & Farrell, S. (2012). Abstract concepts require concrete models: Why cognitive scientists have not yet embraced nonlinearly-coupled, dynamical, self-organized critical, synergistic, scale-free, exquisitely context-sensitive, interaction-dominant, multifractal, interdependent brain-body-niche systems. *TopiCS*, *4*, 87–93.
71. Forstmann, B. U., Tittgemeyer, M., Wagenmakers, E.-J., Derrfuss, J., Imperati, D. & Brown, S. (2011). The speed-accuracy tradeoff in the elderly brain: A structural model-based approach. *Journal of Neuroscience*, *31*, 17242–17249.
70. van Maanen, L., Brown, S., Eichele, T., Wagenmakers, E.-J., Ho, T., Serences, J., & Forstmann, B. U. (2011). Neural correlates of trial-to-trial fluctuations in response caution. *Journal of Neuroscience*, *31*, 17488–17495.
69. Nieuwenhuis, S., Forstmann, B. U., & Wagenmakers, E.-J. (2011). Erroneous analyses of interactions in neuroscience: A problem of significance. *Nature Neuroscience*, *14*, 1105–1107.
68. Lodewyckx, T., Kim, W., Lee, M. D., Tuerlinckx, F., Kuppens, P., & Wagenmakers, E.-J. (2011). A tutorial on Bayes factor estimation with the product space method. *Journal of Mathematical Psychology*, *55*, 331–347.
67. Forstmann, B. U., Wagenmakers, E.-J., Eichele, T., Brown, S., & Serences, J. T. (2011). Reciprocal relations between cognitive neuroscience and formal cognitive models: Opposites attract? *Trends in Cognitive Sciences*, *15*, 272–279.
66. Wetzels, R., Matzke, D., Lee, M. D., Rouder, J. N., Iverson, G. J., & Wagenmakers, E.-J. (2011). Statistical evidence in experimental psychology: An empirical comparison using 855 t tests. *Perspectives on Psychological Science*, *6*, 291–298.
65. van Ravenzwaaij, D., Brown, S., & Wagenmakers, E.-J. (2011). An integrated perspective on the relation between response speed and intelligence. *Cognition*, *119*, 381–393.
64. Dutilh, G., Krypotos, A.-M., & Wagenmakers, E.-J. (2011). Task-related vs. stimulus-specific practice: A diffusion model account. *Experimental Psychology*, *58*, 434–442.
63. Wagenmakers, E.-J., Wetzels, R., Borsboom, D., & van der Maas, H. L. J. (2011). Why psychologists must change the way they analyze their data: The case of psi: Comment on Bem (2011). *Journal of Personality and Social Psychology*, *100*, 426–432. Featured in the *New York Times*, *der Spiegel*, *Science*

(2011, vol. 331, pp. 272–273), and many other journals and media throughout the world.

62. Stringer, S., Borsboom, D., & Wagenmakers, E.-J. (2011). Bayesian inference for the information gain model. *Behavior Research Methods*, *43*, 297–309.

61. van Ravenzwaaij, D., Dutilh, G., & Wagenmakers, E.-J. (2011). Cognitive model decomposition of the BART: Assessment and application. *Journal of Mathematical Psychology*, *55*, 94–105.

60. Nilsson, H., Rieskamp, J., & Wagenmakers, E.-J. (2011). Hierarchical Bayesian parameter estimation for cumulative prospect theory. *Journal of Mathematical Psychology*, *55*, 84–93.

59. van Ravenzwaaij, D., van der Maas, H. L. J., & Wagenmakers, E.-J. (2011). Does the name–race Implicit Association Test measure racial prejudice? *Experimental Psychology*, *58*, 271–277.

58. Donkin, C., Brown, S., Heathcote, A., & Wagenmakers, E.-J. (2011). Diffusion versus linear ballistic accumulation: Different models but the same conclusions about psychological processes? *Psychonomic Bulletin & Review*, *18*, 61–69.

57. Dutilh, G., Wagenmakers, E.-J., Visser, I., & van der Maas, H. L. J. (2011). A phase transition model for the speed–accuracy trade–off in response time experiments. *Cognitive Science*, *35*, 211–250.

56. Jepma, M., te Beek, E. T., Wagenmakers, E.-J., van Gerven, J. M. A., & Nieuwenhuis, S. (2010). The role of the noradrenergic system in the exploration–exploitation trade–off: A pharmacological study. *Frontiers in Human Neuroscience*, *4*:170.

55. Heathcote, A., Brown, S., Wagenmakers, E.-J., & Eidels, A. (2010). Distribution–free tests of stochastic dominance for small samples. *Journal of Mathematical Psychology*, *54*, 454–463.

54. Wetzels, R., Lee, M. D., & Wagenmakers, E.-J. (2010). Bayesian inference using WBDev: A tutorial for social scientists. *Behavior Research Methods*, *42*, 884–897.

53. Forstmann, B. U., Anwender, A., Schäfer, A., Neumann, J., Brown, S., Wagenmakers, E.-J., Bogacz, R., & Turner, R. (2010). Cortico–striatal connections predict control over speed and accuracy in perceptual decision making. *Proceedings of the National Academy of Sciences*, *107*, 15916–15920. Featured under “Editors’ Choice” in *Science*, 2010, vol. 329, p. 1443.

52. Iverson, G. J., Wagenmakers, E.-J., & Lee, M. D. (2010). A model averaging approach to replication: The case of p_{rep} . *Psychological Methods*, *15*,

172–181.

51. Forstmann, B. U., Brown, S., Dutilh, G., Neumann, J., & Wagenmakers, E.-J. (2010). The neural substrate of prior information in perceptual decision making: A model-based analysis. *Frontiers in Human Neuroscience*, *40*:4.
50. Wetzels, R., Grasman, R. P. P. P., & Wagenmakers, E.-J. (2010). An encompassing prior generalization of the Savage–Dickey density ratio. *Computational Statistics & Data Analysis*, *54*, 2094–2102.
49. Iverson, G., Lee, M. D., & Wagenmakers, E.-J. (2010). The random-effects p_{rep} continues to mispredict the probability of replication. *Psychonomic Bulletin & Review*, *17*, 270–272.
48. Wetzels, R., Vandekerckhove, J., Tuerlinckx, F., & Wagenmakers, E.-J. (2010). Bayesian parameter estimation in the Expectancy Valence model of the Iowa gambling task. *Journal of Mathematical Psychology*, *54*, 14–27.
47. Wagenmakers, E.-J., Lodewyckx, T., Kuriyal, H., & Grasman, R. (2010). Bayesian hypothesis testing for psychologists: A tutorial on the Savage–Dickey method. *Cognitive Psychology*, *60*, 158–189.
46. Bogacz, R., Wagenmakers, E.-J., Forstmann, B. U., & Nieuwenhuis, S. (2010). The neural basis of the speed–accuracy tradeoff. *Trends in Neurosciences*, *33*, 10–16. Highlighted online in *Neuron*, September 2011.
45. Brown, S., Steyvers, M., & Wagenmakers, E.-J. (2009). Observing evidence accumulation during multi–alternative decisions. *Journal of Mathematical Psychology*, *53*, 453–462.
44. Dutilh, G., Vandekerckhove, J., Tuerlinckx, F., & Wagenmakers, E.-J. (2009). A diffusion model decomposition of the practice effect. *Psychonomic Bulletin & Review*, *16*, 1026–1036.
43. Grasman, R. P. P. P., van der Maas, H. L. J., & Wagenmakers, E.-J. (2009). Fitting the cusp catastrophe in R: A cusp–package primer. *Journal of Statistical Software*, *32*, 1–27.
42. Matzke, D. & Wagenmakers, E.-J. (2009). Psychological interpretation of ex-Gaussian and shifted Wald parameters: A diffusion model analysis. *Psychonomic Bulletin & Review*, *16*, 798–817.
41. Wetzels, R., Raaijmakers, J. G. W., Jakab, E., & Wagenmakers, E.-J. (2009). How to quantify support for and against the null hypothesis: A flexible WinBUGS implementation of a default Bayesian t test. *Psychonomic Bulletin & Review*, *16*, 752–760.
40. Iverson, G. J., Lee, M. D., Zhang, S., & Wagenmakers, E.-J. (2009). p_{rep} :

- An agony in five fits. *Journal of Mathematical Psychology*, *53*, 195–202.
39. Iverson, G. J., Lee, M. D., & Wagenmakers, E.-J. (2009). *prep* misestimates the probability of replication. *Psychonomic Bulletin & Review*, *16*, 424–429.
38. Grasman, R. P. P. P., Wagenmakers, E.-J., & van der Maas, H. L. J. (2009). On the mean and variance of response times under the diffusion model with an application to parameter estimation. *Journal of Mathematical Psychology*, *53*, 55–68.
37. Torre, K., & Wagenmakers, E.-J. (2009). Theories and models for $1/f^\beta$ noise in human movement science. *Human Movement Science*, *28*, 297–318.
36. Steyvers, M., Lee, M. D., & Wagenmakers, E.-J. (2009). A Bayesian analysis of human decision-making on bandit problems. *Journal of Mathematical Psychology*, *53*, 168–179.
35. Jepma, M., Wagenmakers, E.-J., Band, G. P. H., & Nieuwenhuis, S. (2009). The effects of accessory stimuli on information processing: Evidence from electrophysiology and a diffusion-model analysis. *Journal of Cognitive Neuroscience*, *21*, 847–864.
34. Wagenmakers, E.-J. (2009). Methodological and empirical developments for the Ratcliff diffusion model of response times and accuracy. *The European Journal of Cognitive Psychology*, *21*, 641–671.
33. Forstmann, B. U., Dutilh, G., Brown, S., Neumann, J., von Cramon, D. Y., Ridderinkhof, K. R., & Wagenmakers, E.-J. (2008). Striatum and pre-SMA facilitate decision-making under time pressure. *Proceedings of the National Academy of Sciences*, *105*, 17538–17542.
32. Ahn, W.-Y., Busemeyer, J. R., Wagenmakers, E.-J., & Stout, J. C. (2008). Comparison of decision learning models using the generalization criterion method. *Cognitive Science*, *32*, 1376–1402.
31. Shiffrin, R. M., Lee, M. D., Kim, W., & Wagenmakers, E.-J. (2008). A survey of model evaluation approaches with a tutorial on hierarchical Bayesian methods. *Cognitive Science*, *32*, 1248–1284.
30. Wagenmakers, E.-J., van der Maas, H. L. J., Dolan, C., & Grasman, R. P. P. P. (2008). EZ does it! Extensions of the EZ-diffusion model. *Psychonomic Bulletin & Review*, *15*, 1229–1235.
29. Wagenmakers, E.-J., Ratcliff, R., Gomez, P., & McKoon, G. (2008). A diffusion model account of criterion shifts in the lexical decision task. *Journal of Memory and Language*, *58*, 140–159.
28. Wagenmakers, E.-J. (2007). A practical solution to the pervasive problems

- of p values. *Psychonomic Bulletin & Review*, *14*, 779–804.
27. van Harreveld, F., Wagenmakers, E.–J., & van der Maas, H. L. J. (2007). The effects of time pressure on chess skill: An investigation into fast and slow processes underlying expert performance. *Psychological Research*, *71*, 591–597.
26. Wagenmakers, E.–J., & Brown, S. (2007). On the linear relation between the mean and the standard deviation of a response time distribution. *Psychological Review*, *114*, 830–841.
25. Wagenmakers, E.–J., van der Maas, H. L. J., & Grasman, R. P. P. P. (2007). An EZ–diffusion model for response time and accuracy. *Psychonomic Bulletin & Review*, *14*, 3–22.
24. Farrell, S., Wagenmakers, E.–J., & Ratcliff, R. (2006). $1/f$ noise in human cognition: Is it ubiquitous, and what does it mean? *Psychonomic Bulletin & Review*, *13*, 737–741.
23. Wagenmakers, E.–J., & Raaijmakers, J. G. W. (2006). Long–term priming of neighbors biases the word recognition process: Evidence from a lexical decision task. *Canadian Journal of Experimental Psychology*, *60*, 275–284.
22. Wagenmakers, E.–J., & Grünwald, P. (2006). A Bayesian perspective on hypothesis testing. *Psychological Science*, *17*, 641–642.
21. Wagenmakers, E.–J., Grünwald, P., & Steyvers, M. (2006). Accumulative prediction error and the selection of time series models. *Journal of Mathematical Psychology*, *50*, 149–166.
20. Wagenmakers, E.–J., & Waldorp, L. (Eds.)(2006). Special issue on model selection: Theoretical developments and applications. *Journal of Mathematical Psychology*, *50*, 99–214.
19. Zeelenberg, R., Wagenmakers, E.–J., & Rotteveel, M. (2006). The impact of emotion on perception: Bias or enhanced processing? *Psychological Science*, *17*, 287–291.
18. Wagenmakers, E.–J., & Nieuwenhuis, S. (2005). Damasio’s error: De somatic marker hypothesen onder vuur. *Neuropraxis*, *9*, 165–169. The title translates as: “Damasio’s error: The somatic marker hypothesis under fire”.
17. Wagenmakers, E.–J., Molenaar, P. C. M., Grasman, R. P. P. P., Hartelman, P. A. I., & van der Maas, H. L. J. (2005). Transformation invariant stochastic catastrophe theory. *Physica D*, *211*, 263–276.
16. Wagenmakers, E.–J., Grasman, R., & Molenaar, P. C. M. (2005). On the relation between the mean and the variance of a diffusion model response time distribution. *Journal of Mathematical Psychology*, *49*, 195–204.

15. Lee, M. D., & Wagenmakers, E.-J. (2005). Bayesian statistical inference in psychology: Comment on Trafimow (2003). *Psychological Review*, *112*, 662–668.
14. Pecher, D., Zeelenberg, R., & Wagenmakers, E.-J. (2005). Enemies and friends in the neighborhood: Orthographic similarity effects in a semantic classification task. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *31*, 121–128.
13. van der Maas, H. L. J., & Wagenmakers, E.-J. (2005). The Amsterdam Chess Test: A psychometric analysis of chess expertise. *The American Journal of Psychology*, *118*, 29–60.
12. Wagenmakers, E.-J., Farrell, S., & Ratcliff, R. (2005). Human cognition and a pile of sand: A discussion on serial correlations and self-organized criticality. *Journal of Experimental Psychology: General*, *134*, 108–116.
11. Wagenmakers, E.-J., Farrell, S., & Ratcliff, R. (2004). Estimation and interpretation of $1/f$ noise in human cognition. *Psychonomic Bulletin & Review*, *11*, 579–615.
10. Wagenmakers, E.-J., Zeelenberg, R., Steyvers, M., Shiffrin, R. M., & Raaijmakers, J. G. W. (2004). Nonword repetition in lexical decision: Support for two opposing processes. *The Quarterly Journal of Experimental Psychology*, *57A*, 1191–1210.
9. Wagenmakers, E.-J., & Farrell, S. (2004). AIC model selection using Akaike weights. *Psychonomic Bulletin & Review*, *11*, 192–196.
8. Wagenmakers, E.-J., Ratcliff, R., Gomez, P., & Iverson, G. J. (2004). Assessing model mimicry using the parametric bootstrap. *Journal of Mathematical Psychology*, *48*, 28–50.
7. Wagenmakers, E.-J., Steyvers, M., Raaijmakers, J. G. W., Shiffrin, R. M., van Rijn, H., & Zeelenberg, R. (2004). A model for evidence accumulation in the lexical decision task. *Cognitive Psychology*, *48*, 332–367.
6. Wagenmakers, E.-J., Farrell, S., & Ratcliff, R. (2004). Naive nonparametric bootstrap model weights are biased. *Biometrics*, *60*, 281–283.
5. Zeelenberg, R., Wagenmakers, E.-J., & Shiffrin, R. M. (2004). Nonword repetition priming in lexical decision reverses as a function of study task and speed stress. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *30*, 270–277.
4. Steyvers, M., Tenenbaum, J. B., Wagenmakers, E.-J., & Blum, B. (2003). Inferring causal networks from observations and interventions. *Cognitive Science*, *27*, 453–489.

3. Zeelenberg, R., Wagenmakers, E.-J., & Raaijmakers, J. G. W. (2002). Priming in implicit memory tasks: Prior study causes enhanced discriminability, not only bias. *Journal of Experimental Psychology: General*, *131*, 38–47.
2. Wagenmakers, E.-J., Zeelenberg, R., & Raaijmakers, J. G. W. (2000). Testing the counter model for perceptual identification: Effects of repetition priming and word frequency. *Psychonomic Bulletin & Review*, *7*, 662–667.
1. Wagenmakers, E.-J., Zeelenberg, R., Schooler, L. J., & Raaijmakers, J. G. W. (2000). A criterion-shift model for enhanced discriminability in perceptual identification: A note on the counter model. *Psychonomic Bulletin & Review*, *7*, 718–726.

BOOK CHAPTERS

11. Forstmann, B. U., Ratcliff, R., & Wagenmakers, E.-J. (2016). Sequential sampling models in cognitive neuroscience: Advantages, applications, and extensions. *Annual Review of Psychology*, *67*, 641–666.
10. Wagenmakers, E.-J., Verhagen, A. J., Ly, A., Matzke, D., Steingroever, H., Rouder, J. N., & Morey, R. D. (2017). The need for Bayesian hypothesis testing in psychological science. In Lilienfeld, S. O., & Waldman, I. (Eds.), *Psychological Science Under Scrutiny: Recent Challenges and Proposed Solutions*, pp. 123–138. John Wiley and Sons.
9. Wagenmakers, E.-J., Wetzels, R., Borsboom, D., Kievit, R., & van der Maas, H. L. J. (2015). A skeptical eye on psi. In May, E., & Marwaha, S. (Eds.), *Extrasensory Perception: Support, Skepticism, and Science*, pp. 153–176. ABC-CLIO.
8. Vandekerckhove, J., Matzke, D., & Wagenmakers, E.-J. (2015). Model comparison and the principle of parsimony. In J. Busemeyer, J. Townsend, Z. J. Wang, & A. Eidels (Eds.), *Oxford Handbook of Computational and Mathematical Psychology*, pp. 300–319. Oxford: Oxford University Press.
7. Lee, M. D., Lodewyckx, T., & Wagenmakers, E.-J. (2015). Three Bayesian analyses of memory deficits in patients with dissociative identity disorder. In J. R. Raaijmakers, A. Criss, R. Goldstone, R. Nosofsky, & M. Steyvers (Eds.), *Cognitive Modeling in Perception and Memory: A Festschrift for Richard M. Shiffrin*, pp. 189–200. Psychology Press.
6. Heathcote, A., Brown, S. D., & Wagenmakers, E.-J. (2015). An introduction to good practices in cognitive modeling. In B. U. Forstmann, & E.-J. Wagenmakers (Eds.), *An Introduction to Model-Based Cognitive Neuroscience*, pp. 25–48. Springer: New York.
5. Wetzels, R., van Ravenzwaaij, D., & Wagenmakers, E.-J. (2015). Bayesian analysis. In R. L. Cautin, & S. O. Lilienfeld (Eds.), *The Encyclopedia of Clinical Psychology*, pp. 274–283. Wiley–Blackwell.

4. Forstmann, B. U., & Wagenmakers, E.-J. (2015). Model-based cognitive neuroscience: A conceptual introduction. In B. U. Forstmann, & E.-J. Wagenmakers (Eds.), *An Introduction to Model-Based Cognitive Neuroscience*, pp. 139–156. Springer: New York.
3. Wagenmakers, E.-J., Lee, M. D., Lodewyckx, T., & Iverson, G. (2008). Bayesian versus frequentist inference. In H. Hoijtink, I. Klugkist, & P. A. Boelen (Eds.), *Bayesian Evaluation of Informative Hypotheses*, pp. 181–207. Springer: New York.
2. Wagenmakers, E.-J., van der Maas, H. L. J., & Molenaar, P. C. M. (2005). Catastrophe theory. In B. S. Everitt & D. C. Howel (Eds.), *Encyclopedia of Statistics in Behavioral Science, Vol. 1*, pp. 234–239. Chichester: Wiley.
1. Wagenmakers, E.-J., Zeelenberg, R., Huber, D., Raaijmakers, J. G. W., Shiffrin, R. M., & Schooler, L. J. (2003). REMI and ROUSE: Quantitative models for long-term and short-term priming in perceptual identification. In J. Bowers and C. Marsolek (Eds.), *Rethinking Implicit Memory*, pp. 105–123. Oxford University Press.

BLOGS

- The JASP Blog, <https://jasp-stats.org/blog/>.
- Bayesian Spectacles, <http://www.bayesianspectacles.org/>.

MISCELLANEOUS SCIENTIFIC WRITINGS

35. Mackenbach, J., de Jong, J. P., van Duijn, C., Büller, H., van der Vaart, A., Wagenmakers, E.-J., Dankers, P., & Bouter, L. (2018). Replication studies: Improving reproducibility in the empirical sciences. Koninklijke Nederlandse Akademie van Wetenschappen (<https://www.knaw.nl/en/news/publications/replication-studies>).
34. Wagenmakers, E.-J. (2017). Likelihood: A halfway house? In vivo contribution for Farrell, S. and Lewandowsky, S. (2017). *Computational Modeling of Cognition and Behaviour*. Cambridge University Press.
33. Wagenmakers, E.-J. (2017). Het zwaard van Alhazen [The sword of Alhazen]. *Skepter*, 30, 34–35.
32. Wagenmakers, E.-J., & Busato, V. (2016). De verleidingen van foponderzoek [The temptations of foolish research]. *Skepter*, 29, 24–28.
31. Wagenmakers, E.-J., & Dutilh, G. (2016). Seven selfish reasons for preregistration. *APS Observer*, 29. (<http://www.psychologicalscience.org/publications/observer/2016/nov-16/seven-selfish-reasons-for-preregistration.html>).
30. Vandekerckhove, J. & Wagenmakers, E.-J. (2016) C. S. Peirce on the crisis of confidence and the “no more bets” heuristic. *The Winnower*, 3:e146611.14253, DOI: 10.15200/winn.146611.14253.

29. Wagenmakers, E.-J., & Dutilh, G. (2016). Preregistration: Why, what, where? Column for the *Psychology Research Institute* of the University of Amsterdam, section on Scientific Integrity (<https://osf.io/crg29/>).
28. Wagenmakers, E.-J. (2016). Telescopic book review of “Beyond significance testing: Statistics reform in the behavioral sciences” by Rex Kline. *Journal of the American Statistical Association*, *70*, 221.
27. Wagenmakers, E.-J. (2015). Statistiek van het gezonde verstand [Common sense statistics]. *Skepter*, *28*, 23–25.
26. Wagenmakers, E.-J. (2015). A perfect storm: The record of a revolution. *In-Mind Magazine*, <http://www.in-mind.org/article/a-perfect-storm-the-record-of-a-revolution>.
25. Wagenmakers, E.-J., & Gronau, Q. F. (2015). A compendium of clean graphs in R. Blog post for Nicebread, <http://www.nicebread.de/a-compendium-of-clean-graphs-in-r/>. The compendium is available at <http://shinyapps.org/apps/RGraphCompendium/index.html>.
24. Wagenmakers, E.-J. (2015). Profijtelijk noch appetijtelijk. *De Psycholoog*, *50*, 19.
23. Love, J., Selker, R., Verhagen, A. J., Marsman, M., Gronau, Q. F., Jamil, T., Šmíra, M., Epskamp, S., Wild, A., Ly, A., Matzke, D., Morey, R. D., Rouder, J. N., & Wagenmakers, E.-J. (2015). Software to sharpen your stats. *APS Observer*, *28*, 27–28.
22. Wagenmakers, E.-J. (2014). Bem is back: A skeptic’s review of a meta-analysis on Psi. Blog post for the Open Science Collaboration, <http://osc.centerforopenscience.org/2014/06/25/a-skeptics-review/>.
21. Wagenmakers, E.-J. (2014). The problem with statistics. Blog post for Mindwise, <http://mindwise-groningen.nl/the-problem-with-statistics>.
20. Wagenmakers, E.-J. (2014). Behavioral priming: Time to nut up or shut up. Blog post for the Open Science Collaboration, <http://osc.centerforopenscience.org/2014/03/26/behavioral-priming/>.
19. De Groot, A. D. (1956/2014). The meaning of “significance” for different types of research. Translated and annotated by Eric-Jan Wagenmakers, Denny Borsboom, Josine Verhagen, Rogier Kievit, Marjan Bakker, Angelique Cramer, Dora Matzke, Don Mellenbergh, and Han L. J. van der Maas. *Acta Psychologica*, *148*, 188-194.
18. Bakker, M., Wagenmakers, E.-J., Borsboom, D., Wicherts, J., & van der Maas, H. (2013). Spelregels in de psychologie. *De Psycholoog*, *48*, 68–76.

17. Wagenmakers, E.-J. (2013). Sjoemelwetenschap. *De Psycholoog*, *48*, 34–35. Invited comment on “Psychologie als wedstrijd”, by Wim Hofstee.
16. Bakker, M., Cramer, A. O. J., Matzke, D., Kievit, R. A., van der Maas, H. L. J., Wagenmakers, E.-J., & Borsboom, D. (2013). Dwelling on the past. *European Journal of Personality*, *27*, 120–121. Open peer commentary on Asendorp et al., “Recommendations for increasing replicability in psychology”.
15. Steingroever, H., & Wagenmakers, E.-J. (2014). Performance and awareness in the Iowa Gambling Task. Comment on “Unconscious influences on decision making: A critical review”. *Behavioral and Brain Sciences*, *37*, 41–42.
14. Borsboom, D., & Wagenmakers, E.-J. (2013). Derailed: The rise and fall of Diederik Stapel. *APS Observer*, *26*, 31 & 33.
13. Wagenmakers, E.-J. (2012). A year of horrors. *De Psycholoog*, *27*, 12–13.
12. Nieuwenhuis, S., Jepma, M., & Wagenmakers, E.-J. Temporal expectation may affect the onset, not the rate, of evidence accumulation [electronic response to Rohenkohl, Cravo, Wyart, & Nobre. Temporal expectation improves the quality of sensory information. *Journal of Neuroscience*, *32*, 8424–8428].
11. Borsboom, D., Wagenmakers, E.-J., & Romeijn, J.-W. (2011). Mechanistic curiosity will not kill the Bayesian cat. Comment on “Bayesian Fundamentalism or Enlightenment? On the explanatory status and theoretical contributions of Bayesian models of cognition”. *Behavioral and Brain Sciences*, *34*, 192–193.
10. Wagenmakers, E.-J. (2011). Kleren voor de keizer. *De Psycholoog*, *46*, 21–22. Review of “Informative Hypotheses: How to Move Beyond Classical Null Hypothesis Testing”, by Rens van de Schoot.
9. Wetzels, R., & Wagenmakers, E.-J. (2010). Exemplary introduction to Bayesian statistical inference. Book review of “Bayesian modeling using WinBUGS” (Wiley, 1st ed., 2009). *Journal of Mathematical Psychology*, *54*, 466–469.
8. Wagenmakers, E.-J. (2009). Teaching graduate students how to write clearly. *APS Observer*, *22*.
7. Wagenmakers, E.-J. (2008). Guidelines for tutorial articles in *Journal of Mathematical Psychology*. Published on the JMP website, <http://www.mathpsych.org/journal.html>.
6. Wagenmakers, E.-J. (2009). How do individuals reason in the Wason card selection task? Comment on “Bayesian rationality: The probabilistic approach to human reasoning” (Oxford University Press, 2007). *Behavioral and Brain Sciences*, *32*, 104.

5. Wagenmakers, E.-J., & van der Maas, H. L. J. (2008). Book review of “Clocking the mind: Mental chronometry and individual differences” (Elsevier, 2006). *Intelligence*, *36*, 493–494.
4. Grasman, R. P. P. P., & Wagenmakers, E.-J. (2006). Rescue the Gardiner book! Book review of “Handbook of stochastic methods: For physics, chemistry, and the natural sciences” (Springer-Verlag, 3rd ed., 2004). *Journal of Mathematical Psychology*, *50*, 431–435.
3. Wagenmakers, E.-J. (2003). How many parameters does it take to fit an elephant? Book review of “Model selection and multimodel inference: A practical information-theoretic approach” (Springer-Verlag, 2nd ed., 2002). *Journal of Mathematical Psychology*, *47*, 580–586.
2. Wagenmakers, E.-J. (2001). Book review of “The Oxford handbook of memory”, edited by E. Tulving and F. Craik (Oxford University Press 2000), *Acta Psychologica*, *106*, 329–331.
1. Steyvers, M., Wagenmakers, E.-J., Shiffrin, R. M., Zeelenberg, R., & Raaijmakers, J. G. W. (2001). A Bayesian model for the time-course of lexical processing. In E. M. Altmann and A. Cleeremans (Eds.), *Proceedings of the 2001 Fourth International Conference on Cognitive Modeling* (pp. 205–209). Mahwah, NJ: Erlbaum.

INVITED
PRESENTATIONS

110. Wagenmakers, E.-J. (2018). Bayesian statistics using JASP. Invited presentation for the *Science Transmission meeting* at the Department of Human Movement Sciences of the Vrije Universiteit, Amsterdam, The Netherlands, April 2018.
109. Wagenmakers, E.-J. (2018). The case for radical transparency in statistical reporting. Invited presentation for the *Replication and Reproducibility Event II: Moving Psychological Science Forward* organised by the *British Psychological Society*, London, UK, January 2018.
108. Wagenmakers, E.-J., & de Jong, J. P. (2017). KNAW report: Replication studies. Invited web-based briefing for the NAS (The National Academies of Sciences, Engineering, and Medicine) committee on “*Reproducibility and Replicability in Science*”.
107. Wagenmakers, E.-J. (2017). Barbecue chicken alert! Invited presentation for the plenary discussion session (with Simine Vazire and Daniel Lakens) at the *Annual Meeting of the Berkeley Initiative for Transparency in the Social Sciences* (BITSS), Berkeley, USA, December 2017.
106. Wagenmakers, E.-J. (2017). An introduction to JASP. Invited presentation for the annual meeting of *ONWAR, the Graduate School Neurosciences Amsterdam Rotterdam*, Zeist, The Netherlands, November 2017.

106. Wagenmakers, E.-J. (2017). Hidden pseudoscience: Ailment, diagnosis, and cure. Invited presentation for *Amsterdam Skeptics in the Pub*, Amsterdam, The Netherlands, November 2017.
105. Wagenmakers, E.-J. (2017). The why and how of testing a point-null hypothesis within a Bayesian framework. Invited presentation for the *Seminar Series in Probability and Statistics*, TU Delft, The Netherlands, October 2017.
104. Wagenmakers, E.-J. (2017). Redefine statistical significance with JASP. Invited webinar presentation for *IMC: Roundtable on Reproducibility and an Increased Significance Threshold*, October 2017.
103. Wagenmakers, E.-J. (2017). The case for radical transparency in statistical reporting. Invited presentation for the *ASA Symposium on Statistical Inference*, Bethesda, USA, October 2017.
102. Wagenmakers, E.-J. (2017). Bayesian statistics without tears. Invited presentation for the *Oxford Reproducibility School*, Oxford, UK, September 2017.
101. Wagenmakers, E.-J. (2017). JASP/Evidence. Two invited presentations for the BITSS workshop “*Research Transparency and Reproducibility Training (RT2)*”, London, UK, September 2017.
100. Wagenmakers, E.-J. (2017). History and statistical foundation of pre-registration. Invited presentation for the workshop “*Perspectives on scientific error*”, Tilburg, the Netherlands, June 2017.
99. Wagenmakers, E.-J., van Kesteren, E.-J., & Beekman, V. (2017). The maximum diagnosticity of the p -value. Invited presentation for the workshop “*Is there a future without null hypothesis significance testing?*”, Amstelveen, the Netherlands, June 2017.
98. Wagenmakers, E.-J. (2017). The methodological metamorphosis of neuroscience. Keynote lecture for the *6th Berlin Winter School on Ethics and Neuroscience*, Berlin, Germany, February 2017.
97. Wagenmakers, E.-J. (2016). A discussion on the TOP guidelines. Invited presentation for *Unilever R&D*, Vlaardingen, The Netherlands, October 2016.
96. Wagenmakers, E.-J. (2016). Bayesian inference with JASP. Invited presentation for the *Department of Statistical Science, Universita Cattolica del Sacro Cuore*, Milan, Italy, September 2016.
95. Wagenmakers, E.-J. (2016). Bayesian analyses with JASP: A fresh way to do statistics. Plenary lecture for the *Behavioural Science Institute (BSI) day*, Radboud University, Nijmegen, The Netherlands, June 2016.
94. Böhm, U., Gronau, Q. F., Sarafoglou, A., Ly, A., Matzke, D., Steingroever,

- H., Marsman, M., & Wagenmakers, E.-J. (2016). Bayes factors for models of choice response time. Invited presentation for the workshop “*Sequential sampling models of decision making*”, Emmetten, Switzerland, May 2016.
93. Wagenmakers, E.-J. (2016). Bayesian benefits. Presentation for the *Young Statisticians Science Café*, Utrecht, the Netherlands, April 2016.
92. Wagenmakers, E.-J. (2016). Bayesian analyses with JASP: A fresh way to do statistics. Presentation in the *Statistics Seminar Series of the Athens University of Economics and Business*, Athens, Greece, April 2016.
91. Wagenmakers, E.-J. (2016). Transparent research practices: Past roots, present revolution, and future prospects. Keynote presentation for the *58th Conference of Experimental Psychologists (TeaP)*, Heidelberg, Germany, March 2016.
90. Wagenmakers, E.-J. (2016). Bayesian benefits for the pragmatic researcher. Keynote presentation for *Bayes at Lund*, Lund, Sweden, February 2016.
89. Wagenmakers, E.-J. (2016). Pre-conference tutorial on Bayesian inference for *Bayes at Lund*, Lund, Sweden, February 2016.
88. Wagenmakers, E.-J. (2016). Bayesian benefits for the pragmatic researcher. Invited presentation for the *Department of Psychology, University of Gothenburg*, Gothenburg, Sweden, February 2016.
87. Wagenmakers, E.-J. (2016). A predictive perspective on Bayesian inference. Invited presentation for the *Department of Mathematics, University of Gothenburg*, Gothenburg, Sweden, February 2016.
86. Wagenmakers, E.-J. (2016). Bayesian benefits for the pragmatic researcher. Invited presentation for the workshop “*Bayesian and frequentist approaches to inferential statistics*” at the *Centre for Interdisciplinary Research of the University of Bielefeld*, Bielefeld, Germany, January 2016.
85. Wagenmakers, E.-J. (2016). Bayesian benefits for the pragmatic researcher. Invited colloquium for the *Otto Creutzfeldt Center for Cognitive and Behavioral Neuroscience at the University of Münster*, Münster, Germany, January 2016.
84. Wagenmakers, E.-J. (2015). The revolution in psychological science. Keynote presentation for the *15th NVP Winter Conference on Cognition, Brain and Behaviour*, Egmond aan Zee, the Netherlands, December 2015.
83. Wagenmakers, E.-J. (2015). JASP: Statistical inference without tears. Invited lecture for the *Department of Methods and Techniques at Utrecht University*, Utrecht, the Netherlands, December 2015.
82. Wagenmakers, E.-J. (2015). Subjective reflections on the work of Bill

Batchelder. Invited presentation for the workshop “*Cultural Consensus Theory, Multinomial Processing Trees, and Cognitive Psychometrics: Celebrating Bill Batchelder’s 75th Year*”, University of California at Irvine, USA, November 2015.

81. Wagenmakers, E.–J. (2015). Preregistration and Registered Reports. Invited presentation for the workshop “*Improving Inference in Evolutionary Biology and Ecology*”, Charlottesville, USA, November 2015.

80. Wagenmakers, E.–J. (2015). JASP: Statistical inference without tears. Invited lecture for the *Helmholtz Institute*, Utrecht, the Netherlands, November 2015.

79. Wagenmakers, E.–J. (2015). Bayesian analyses with JASP: A fresh way to do statistics. Invited presentation for the *Psychology Department at the Free University of Brussels*, Brussels, Belgium, October 2015.

78. Wagenmakers, E.–J. (2015). Bayesian analyses with JASP: A fresh way to do statistics. Invited presentation for the *Psychology Department at the University of Cardiff*, Cardiff, UK, October 2015.

77. Wagenmakers, E.–J. (2015). Open science with JASP. Invited presentation for the *Research Away day of the Psychology Department at the University of Bristol*, Bristol, UK, September 2015.

76. Wagenmakers, E.–J. (2015). A predictive perspective on Bayesian inference. Keynote address for *46th meeting of the European Mathematical Psychology Group*, Padova, Italy, September 2015.

75. Wagenmakers, E.–J. (2015). JASP: A fresh way to do Bayesian hypothesis testing. Invited presentation for the *30th IOPS Summer Conference*, Utrecht, The Netherlands, June 2015.

74. Wagenmakers, E.–J. (2015). Bayesian analyses with JASP: A fresh way to do statistics. Invited presentation for the *Donders Institute for Brain, Cognition and Behavior*, Nijmegen, The Netherlands, June 2015.

73. Wagenmakers, E.–J. (2015). Bayesian analyses with JASP: A fresh way to do statistics. Invited presentation for the *Psychology Department at the University of Freiburg*, Freiburg, Germany, June 2015.

72. Wagenmakers, E.–J. (2015). Bayesian analyses with JASP: A fresh way to do statistics. Invited presentation for the Chaucer club seminar series, *Cognition & Brain Sciences Unit, Cambridge University*, Cambridge, UK, May 2015.

71. Wagenmakers, E.–J. (2015). Bayesian hypothesis testing: Why and how? Invited presentation for the *Psychology Department at the University of Zürich*, Zürich, Switzerland, May 2015.

70. Wagenmakers, E.-J. (2015). Bayesian analyses with JASP: A fresh way to do statistics. Invited presentation for the *Psychology Department at the University of Southampton*, Southampton, UK, April 2015.
69. Wagenmakers, E.-J. (2014). Guidelines for preregistration. Invited presentation for the workshop “*Standards for Promoting Reproducible Research in the Social-Behavioral Sciences*”, Charlottesville, USA, November 2014.
68. Wagenmakers, E.-J. (2014). JASP: A fresh way to do statistics. Invited presentation for the *Psychology Department at Tilburg University*, Tilburg, The Netherlands, October 2014.
67. Wagenmakers, E.-J. (2014). The crisis of confidence in psychology. Invited presentation for the *Psychology Department at the University of Leuven*, Leuven, Belgium, September 2014.
66. Wagenmakers, E.-J. (2014). The pros and cons of study preregistration. Invited lecture for the NWO Symposium *Improving Scientific Practice*, Amsterdam, The Netherlands, September 2014.
65. Wagenmakers, E.-J. (2014). Reinforcement learning and the Iowa gambling task. Invited presentation for the conference *Decision Making Bristol 2014*, University of Bristol, Bristol, UK, September 2014. Work done by Helen Steingroever.
64. Wagenmakers, E.-J. (2014). Statistical pitfalls in cognitive neuroscience. Keynote presentation for the CRISM Workshop *Statistical Challenges in Neuroscience*, The University of Warwick, UK, September 2014.
63. Wagenmakers, E.-J. (2014). Theory and practice of Bayesian inference. One-day workshop for the conference “*Evolution of Innovation*”, Cambridge University, Cambridge, UK, June 2014.
62. Wagenmakers, E.-J. (2014). Progress through struggle in psychological science. Invited presentation in the symposium “The Replication Revolution: One Year On” at the 26th Annual Convention of the Association for Psychological Science, San Francisco, USA, May 2014.
61. Wagenmakers, E.-J. (2014). An agenda for responsible research. Invited presentation for the Spring Statistics Workshop *Reliability and Replication in Psychological Science*, Princeton University, Princeton, USA, April 2014.
60. Wagenmakers, E.-J. (2013). A Bayesian perspective on replication research. Invited presentation for the *Psychology Department at the University of Leuven*, Leuven, Belgium, December 2013.
59. Wagenmakers, E.-J. (2013). The excitement of conducting a replication study. Half-day workshop for the BSI PhD day, Nijmegen, The Netherlands,

October 2013.

58. Wagenmakers, E.-J. (2013). Statistical pitfalls in cognitive neuroscience. Invited presentation for the *Artificial Intelligence Group at the University of Groningen*, Groningen, The Netherlands, September 2013.

57. Wagenmakers, E.-J. (2013). The excitement of conducting a replication study. Invited presentation for the APS/ESCoP symposium “*Building a Better Psychological Science: Good Data Practices and Replicability*”, Budapest, Hungary, August 2013.

56. Wagenmakers, E.-J. (2013). The future of psychometrics: An outsider’s perspective. Invited talk at the *78th Annual Meeting of the Psychometric Society*, Arnhem, The Netherlands, July 2013.

55. Wagenmakers, E.-J. (2013). Fundamentals of Bayesian inference. Half-day tutorial workshop for the *Psychology Department at Hamburg University*, Hamburg, Germany, June 2013.

54. Wagenmakers, E.-J. (2013). A Bayesian perspective on the “crisis of confidence” in psychological science. Invited presentation for the *Psychology Department at Hamburg University*, Hamburg, Germany, June 2013.

53. Wagenmakers, E.-J. (2013). On the diagnosticity of a p value. Invited presentation for the *Psychology Department at Ghent University*, Ghent, Belgium, May 2013.

52. Wagenmakers, E.-J. (2013). A Bayesian perspective on the “crisis of confidence” in psychological science. Invited presentation for the *Fakultät für Linguistik und Literaturwissenschaft at the University of Bielefeld*, Bielefeld, Germany, April 2013.

51. Wagenmakers, E.-J. (2013). Model-based cognitive neuroscience. Invited presentation for the *Department of Artificial Intelligence at Radboud University*, Nijmegen, The Netherlands, April 2013.

50. Wagenmakers, E.-J. (2013). Bayesian hypothesis testing in practice. Invited presentation for the *Cognitive Psychology Unit at the Free University*, Amsterdam, The Netherlands, March 2013.

49. Wagenmakers, E.-J. (2012). Common sense expressed in numbers. Invited presentation for the mini-symposium “*Reasoning with Uncertainty: The Bayesian Perspective*” at the Stenden University of Applied Sciences, Leeuwarden, The Netherlands, November 2012.

48. Wagenmakers, E.-J. (2012). An agenda for confirmatory research. Invited presentation for the *Psychology Department at Tilburg University*, Tilburg, The Netherlands, September 2012.

47. Wagenmakers, E.-J. (2012). Comparison of reinforcement learning models using parameter space partitioning. Invited presentation for the workshop “*Testing Theories of Choice*” at the *Max Planck Institute for Human Development*, Berlin, Germany, July 2012. Work done by Helen Steingroever.
46. Wagenmakers, E.-J. (2012). Bias in speeded decision making. Invited presentation for the *Psychology Department at the University of Bristol*, Bristol, UK, June 2012.
45. Wagenmakers, E.-J. (2012). A Bayesian correlation test, illustrated with events from the life of Rich Shiffrin. Invited presentation for the Shiffrin Festschrift at the *Psychology Department of Indiana University*, Bloomington, USA, May 2012.
44. Wagenmakers, E.-J. (2012). Not so fast! Premature conclusions in cognitive neuroscience and beyond. Bernstein lecture, *Bernstein Center for Computational Neuroscience Tübingen*, Tübingen, Germany, April 2012.
43. Wagenmakers, E.-J. (2012). Bayesian sequential hypothesis testing of strictly confirmatory research designs. Invited presentation for the *Psychology Department at Purdue*, Lafayette, USA, April 2012.
42. Wagenmakers, E.-J. (2012). Not so fast! Premature conclusions in cognitive neuroscience and beyond. Invited presentation for the *School of Psychology at the University of Glasgow*, Glasgow, UK, March 2012.
41. Wagenmakers, E.-J. (2012). Not so fast! Premature conclusions in cognitive neuroscience and beyond. Invited presentation in the *Cognitive Neuroimaging seminar series at the University of Edinburgh*, Edinburgh, UK, March 2012.
40. Wagenmakers, E.-J. (2012). Healthy people perform poorly on the Iowa Gambling Task. Invited presentation in the *London Judgment and Decision Making seminar series at University College London*, London, UK, March 2012. Work done by Helen Steingroever.
39. Wagenmakers, E.-J. (2012). Not so fast! Premature conclusions in cognitive neuroscience and beyond. Invited presentation in the *Cognitive, Perceptual and Brain Sciences seminar series at University College London*, London, UK, March 2012.
38. Wagenmakers, E.-J. (2012). The future of psychological science. Invited presentation for the KLI workshop “Should we worry about our methodology? Current concerns in experimental research and how to deal with them”, Amsterdam, The Netherlands, March 2012.
37. Wagenmakers, E.-J. (2012). Can people look into the future, or: What is wrong with psychological science? Invited presentation for the *School of Psychology at the University of New South Wales*, Sydney, Australia, February

2012.

36. Wagenmakers, E.-J. (2011). Worth no more than a bare mention? An objective Bayesian analysis of the evidential impact of the p-value. Invited presentation for the lecture series on “*Null Hypothesis Testing in the Social Sciences*” organized by the *Social Sciences Division of the Netherlands Statistical Society*, Amsterdam, The Netherlands, December 2011.
35. Wagenmakers, E.-J. (2011). Bayesian sequential hypothesis testing of strictly confirmatory research designs. Invited presentation for the *Psychology Department at Essex University*, Essex, UK, December 2011.
34. Wagenmakers, E.-J. (2011). Unexpected participant heterogeneity in the Iowa Gambling Task. Invited presentation for the workshop “*Structural Modeling of Heterogeneity in Discrete Choice Under Risk and Uncertainty*” at the *Center for the Economic Analysis of Risk (CEAR)* at Georgia State University, Atlanta, USA, December 2011. Work done by Helen Steingroever.
33. Wagenmakers, E.-J. (2011). The hidden message behind extrasensory perception. Invited presentation for the *Psychology Department at the Ludwig-Maximilian Universität*, Munich, Germany, June 2011.
32. Wagenmakers, E.-J. (2011). Why Bayesian statistics is right, and everything else is wrong. Invited presentation for the *Psychology Department at Uppsala University*, Uppsala, Sweden, May 2011.
31. Wagenmakers, E.-J. (2011). A Bayesian parametric approach for the estimation of stop-signal reaction time distributions. Invited presentation for the *Center for Integrative and Cognitive Neuroscience (CICN)* at Vanderbilt University, Nashville, USA, April 2011. Work done by Dora Matzke.
30. Wagenmakers, E.-J. (2011). Validity and fit in ACT-R. Invited presentation for the ACT-R Spring School, Groningen, the Netherlands, April 2011.
29. Wagenmakers, E.-J. (2011). Default Bayesian t-tests. Invited presentation for the workshop “*All models are wrong...*”, Groningen, the Netherlands, March 2011.
28. Wagenmakers, E.-J. (2010). Bayesian model selection in sensometrics. Plenary presentation for the *10th Conference on Sensometrics*, Rotterdam, the Netherlands, July 2010.
27. Wagenmakers, E.-J. (2010). Bayesian parameter estimation and model selection. Half-day workshop for the *ESCoP Summer School in Computational and Mathematical Modeling of Cognition*, Mallnitz, Austria, July 2010.
26. Wagenmakers, E.-J., & Wetzels, R. (2010). A pessimistic perspective on psychological science? Invited presentation for the *Psychology Department at*

the University of Heidelberg, Heidelberg, Germany, May 2010.

25. Wagenmakers, E.-J. (2010). Bayesian graphical modeling using WinBUGS. Half-day workshop at the *University of Western Australia*, Perth, Australia, January 2010.

24. Wagenmakers, E.-J. (2009). What is Bayesian inference? Why be Bayesian? Invited presentation for the *Fakultät für Linguistik und Literaturwissenschaft at the University of Bielefeld*, Bielefeld, Germany, December 2009.

23. Wagenmakers, E.-J. (2009). Bayesian hypothesis testing without tears. Invited Heymans colloquium for the *Psychology Department at the University of Groningen*, Groningen, the Netherlands, November 2009.

22. Wagenmakers, E.-J. (2008). Doing what Id wants: The Savage-Dickey approach to Bayesian hypothesis testing. Invited presentation for the *18th IOPS Winter Conference*, Oegstgeest, the Netherlands, December 2008.

21. Wagenmakers, E.-J. (2008). Doing what Id wants: Bayesian hypothesis testing. Invited presentation for the *Psychology Unit at the University of Tübingen*, Tübingen, Germany, October 2008.

20. Wagenmakers, E.-J. (2008). Decision making under time pressure: A study combining mathematical modeling and functional neuroimaging. Invited joint presentation together with Birte Forstmann for the *Institute for Mathematical Behavioral Sciences (IMBS)* at the University of California at Irvine, USA, April 2008.

19. Wagenmakers, E.-J. (2007). Pervasive problems of p -values. Invited presentation for the *Cognitive Psychology Unit at the Free University*, Amsterdam, The Netherlands, December 2007.

18. Wagenmakers, E.-J. (2007). A diffusion model account of the worst performance rule, the law of practice, and the accessory stimulus effect. Invited presentation for the *Max Planck Institute for Human Development*, Berlin, Germany, November 2007.

17. Wagenmakers, E.-J. (2007). Current developments in the modeling of response times and accuracy using the Ratcliff diffusion model. Keynote presentation for the *15th Conference of the European Society for Cognitive Psychology (ESCoP)*, Marseille, France, August 2007.

16. Wagenmakers, E.-J. (2007). Current developments in the modeling of response times and accuracy using the Ratcliff diffusion model. Keynote presentation for the *40th annual meeting of the Society for Mathematical Psychology*, Costa Mesa, USA, July 2007.

15. Wagenmakers, E.-J., Lee, M. D., & Iverson, G. (2007). Bayesian versus

frequentist inference. Invited presentation for the workshop “*Null, Alternative and Informative Hypotheses*”, Utrecht, The Netherlands, July 2007.

14. Wagenmakers, E.-J. (2007). Pervasive problems of p -values. Invited presentation for the *Psychology Department at the Erasmus University*, Rotterdam, The Netherlands, June 2007.

13. Wagenmakers, E.-J. (2007). Current developments in the modeling of response times and accuracy using the Ratcliff diffusion model. Invited presentation for the *Institute for Mathematical Behavioral Sciences (IMBS)* at the University of California at Irvine, USA, April 2007.

12. Wagenmakers, E.-J. (2007). Pervasive problems of p -values. Invited presentation for the *Psychology Department at the University of Newcastle*, Newcastle, Australia, February 2007.

11. Wagenmakers, E.-J. (2006). Practical methods for model selection: Cross-validation, bootstrap, and prequential approaches. Invited presentation for the Air Force Research Laboratory workshop “*Model Comparison and Model Validation*”, Syracuse, USA, September 2006.

10. Wagenmakers, E.-J., van der Maas, H., & Grasman, R. (2006). An EZ-diffusion model for response time and response accuracy: Extensions. Invited presentation for the workshop “*Diffusion Models in Psychology*”, Freiburg, Germany, February 2006.

9. Wagenmakers, E.-J. (2006). A statistical perspective on the peculiar properties and pervasive problems of p -values. Invited presentation for the *Institute for Mathematical Behavioral Sciences (IMBS)* at the University of California at Irvine, USA, February 2006.

8. Wagenmakers, E.-J. (2005). Peculiar problems with p -values. Invited presentation for the *Psychology Department at the University of Bristol*, Bristol, UK, October 2005.

7. Wagenmakers, E.-J. (2005). Consequences of the likelihood principle for the statistical analysis of psychological experiments. Invited presentation for the 2nd *Adelaide Mental Life* conference, Adelaide, Australia, June 2005.

6. Wagenmakers, E.-J. (2005). Peculiar problems with p -values. Invited presentation for the *Psychology Department at CMU* and the *Psychology Department at Leuven*, both April 2005.

5. Wagenmakers, E.-J. (2003). Priming in visual word recognition: Empirical studies and computational models. Keynote presentation for the *bi-annual NVP conference*, Egmond, the Netherlands, December 2003.

4. Wagenmakers, E.-J., van der Maas, H., Molenaar, P., & Hartelman, P.

(2003). Generalized stochastic catastrophe theory: Achieving invariance under transformation of the measurement scale. Invited presentation for the *EPOS annual meeting*, Amsterdam, the Netherlands, November 2003.

3. Wagenmakers, E.-J. (2003). Bias and enhanced discriminability in perceptual identification. Invited presentation for the *Psychology Department at UCLA*, Los Angeles, USA, March 2003.

2. Wagenmakers, E.-J. (2003). Models of information integration. Invited presentation for the *Psychology Department at Georgia Tech*, Atlanta, USA, January 2003.

1. Wagenmakers, E.-J. (2002). Model mimicry, information integration, and the bootstrap. Invited presentation for the *Quantitative Psychology weekly meeting at Ohio State University*, Columbus, USA, October 2002.

COMMITTEE WORK

- *2007–current*. Member of the Revesz committee for the Psychology Department at the University of Amsterdam. The Revesz committee is responsible for the logistics surrounding the Revesz honorary professorships.
- *2012–2017*. Member of the Academic Advisory Board (“wetenschappelijke adviesraad, WAR”) for the Department of Psychology at the University of Amsterdam.
- *2006–2017*. Member of the committee for the Research Master in Psychology at the University of Amsterdam.
- *2009–2015*. Member of the executive board of the *Society for Mathematical Psychology*.
- *2012*. Member of the Committee on Scientific Integrity for the Department of Psychology at the University of Amsterdam.
- *2011*. Member of the committee for the Best Thesis Award from the Dutch Psychonomic Society (NVP).
- *2005*. Member of the NSF (National Science Foundation) panel on Human and Social Dynamics (Washington D.C., May 2005).
- *1997*. Co-founded BOPSY, a committee of interest for PhD-students at the Psychology Department of the University of Amsterdam. Chairman of BOPSY from 1997–1998.

TEACHING

- *2017*. Two-day workshop “Bayesian statistics with JASP” for the Department of Psychology at the Johannes Gutenberg University, Mainz, Germany, March 2018.
- *2016–2017*. Good Research Practices (master course).
- *2017*. Half-day lecture for the bachelor course “Fundamentals of Methodology”.
- *2017*. Bayesian Inference for Psychological Science (master course).

- *2017*. Half-day workshop “JASP Training Course” for the 20th Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany, September 2017.
- *2009–2017*. A Practical Course in Bayesian Modeling (master course). Also taught this course: in 2010, as a one-week block seminar at the CITEC department of the University of Bielefeld, Germany; in 2014, as a one-week workshop at Aarhus University, Aarhus, Denmark (together with Michael Lee); in 2018, as a two-day workshop at the Max Plank Institute for Empirical Aesthetics, Frankfurt, Germany (together with Michael Lee).
- *2013–2017*. Three guest lectures for the bachelor course “Scientific and Statistical Reasoning” for second-year psychology students.
- *2017*. One-day workshop “Bayesian statistics with JASP” for the Department of Clinical Psychology at the University of Utrecht, Utrecht, The Netherlands.
- *2017*. Half-day workshop “Bayesian Inference with JASP: A Fresh Way to Do Statistics” for the 29th Annual Convention of the Association for Psychological Science, Boston, USA, May 2017.
- *2017*. Half-day workshop “JASP: A Fresh Way to do Statistics” for the BBSRC STARS Course “Advanced Methods for Reproducible Science”, Windsor, UK, April 2017.
- *2017*. One-day workshop “Bayesian Inference in Theory and Practice: A JASP Workshop” for Philips Research, Eindhoven, The Netherlands, March 2017.
- *2017*. Lecture “A personal perspective on the analysis of neuroscience data” for the 6th Berlin Winter School on Ethics and Neuroscience, Berlin, Germany, February 2017.
- *2017*. Two-day workshop “Bayesian analysis with JASP: A fresh way to do statistics” for the International Max Planck School for Language Sciences, Nijmegen, The Netherlands.
- *2016*. Two-day workshop “Bayesian statistics” for the Behavioural Science Institute at the Radboud University, Nijmegen, The Netherlands.
- *2016*. Two-day workshop “Bayesian analysis with JASP: A fresh way of doing statistics” for the Department of Psychology at the University of Milano-Bicocca, Milan, Italy.
- *2016*. Workshop “Bayesian vs. frequentist statistics: A JASP workshop” at the Brain & Mind symposium, Helsinki, Finland.
- *2016*. One-day workshop “Bayesian analysis with JASP: A fresh way of doing statistics” at the University of Gothenburg, Sweden.
- *2016*. Two-day workshop “Bayesian analysis with JASP: A fresh way of doing statistics” at the Catholic University of Leuven, Leuven, Belgium.
- *2016*. One-day lecture series on Bayesian inference for KLI students (Amsterdam, The Netherlands).

- *2016*. One-day lecture series on Bayesian inference for the Erasmus+ program “Tools for Teaching Quantitative Thinking” (Arrifana, Portugal).
- *2015*. Good Science, Bad Science (master course). The course website is at <http://www.ejwagenmakers.com/GSBS/GSBS.html>.
- *2006–2015*. Scientific Writing and Presenting (master course). In 2009, also taught this course at the University of Basel, Switzerland. In 2011, runner-up for the award of “best teacher in the UvA Psychology Research Master” (out of 24 nominees).
- *2015*. Two-day workshop “Bayesian Hypothesis Testing Using JASP” at Bern University, Bern, Switzerland (together with Jonathon Love).
- *2015*. Two-day lecture series on Bayesian hypothesis testing for the seminar on “A Quantitative Approach to Psychological Processes: Modeling, Testing, Fitting” (Balatonfoldvár, Hungary).
- *2014*. Co-lecturer for the VW Foundation Summer School in Cognitive Modeling, Laufen, Germany.
- *2008, 2009, 2011, 2012, and 2013*. Module “Knowledge” (part of a third-year course, co-taught with Angelique Cramer, Denny Borsboom, or Rogier Kievit).
- *2012, 2013*. Co-lecturer for the three-day workshop “What is Psychometrics?” for IOPS PhD students.
- *2011, 2013*. One-day workshop “Positive Journal Interactions” for EPOS PhD students.
- *2011–2013*. Guest lecture on Bayesian inference for the master course “Learning to Analyze Neural Data”.
- *2012*. One-day workshop “Theory and Practice of Bayesian Inference” at the Radboud University, Nijmegen, the Netherlands.
- *2012*. One-day workshop “Bayesian Inference Using WinBUGS” for KLI PhD students.
- *2012*. Co-lecturer for the SNF Summer School in Computational Modeling of Cognition, Bergün, Switzerland.
- *2011*. Experimental Design (bachelor course).
- *1998, 1999, 2000, 2003, 2004, 2005, 2006, 2009, and 2011*. Research Practice: Applied (“Onderzoeksgroepen”, bachelor course).
- *2011*. Invited lecture for the HOVO course “Gebruik en Misbruik van de Statistiek” (use and misuse of statistics) at Leiden University.
- *2010*. Co-lecturer for the ESCoP Summer School in Computational and Mathematical Modelling of Cognition, Mallnitz, Austria.
- *2009*. Mathematical Psychology (master course, co-taught with other faculty).
- *2009*. One-day workshop “Bayesian Modeling for Cognitive Science”, co-taught with Michael Lee and Ruud Wetzels.

- 2009. Two-day lecture series on Bayesian Modeling for the Socrates–Erasmus Intensive Programme on “Formal Models and Quantitative Methods for Psychology” (Blaubeuren, Germany).
- 2008 and 2009. Module “Modeling” (part of a third-year course, co-taught with Han van der Maas and Ruud Wetzels).
- 2008. Two-day lecture series on Model Selection for the Socrates–Erasmus Intensive Programme on “Mathematical and Computational Models in the Psychological Sciences” (Padova, Italy).
- 2007 and 2008. Scientific Writing (EPOS course for PhD students).
- 2006, 2007, and 2008. Current Issues in Cognitive Science (master course).
- 2007. Statistical Inference (bachelor course, co-taught with Gunter Maris).
- 2007. Two-day lecture series on Reinforcement Learning for the Socrates–Erasmus Intensive Programme on “Mathematical and Computational Models in the Psychological Sciences” (Bremen, Germany).
- 2006 and 2007. Computational Psychology (master course).
- 2005. JavaScript Programming (master course).
- 2004 and 2005. Introduction to Cognitive Science / Memory: A Cognitive Science Approach (master course).
- 2004 and 2005. Model Construction in Psychology (bachelor course).
- 2000. Research Practice: Theory (“Basisdeel OnderzoeksPracticum”, bachelor course).
- 1998 and 1999. Experience with Psychonomic Experiments (“Experimentatie in de Psychonomie”, bachelor course).
- 1997. Together with Durk Talsma, designed the HOVO course “Hersenen, Mentale Processen en Gedrag” (brain, mental processes, and behavior).
- 1995 and 1996. Programming Experiments (bachelor course).

LAB MEMBERS
(PAST* AND
PRESENT)

- *Postdocs*: Nathan Evans, Max Hinne, Alexander Ly, Maarten Marsman*, Tahira Jamil*, Josine Verhagen*, Martijn Mulder*, Leendert van Maanen*.
- *Software engineers*: Bart van Dalen, Jan Gerrit Voelkel, Joris Goosen, Erik-Jan van Kesteren, Bruno Boutin, Frans Meerhoff, Tim de Jong*, Patrick Knight*, Damian Dropmann*, Jonathon Love*.
- *PhD-students*: Fabian Dablander, Don van den Bergh, Sarahanne Field (with Henk Kiers and Maarten Derksen), Suzanne Hoozeveld (with Michiel van Elk), Alexandra Sarafoglou, Quentin Gronau, Johnny van Doorn, Udo Böhm* (with Hedderik van Rijn; cum laude), Alexander Ly* (cum laude), Helen Steingroever* (cum laude), Ravi Selker*, Dora Matzke* (with Conor Dolan; cum laude), Ruud Wetzels* (cum laude), Don van Ravenzwaaij* (cum laude), Gilles Dutilh* (cum laude).

- *Research-assistants*: Šimon Kucharský, Koen Derks, Tim Draws, Julian Burger*, Don van den Bergh*, Alexandra Sarafoglou*, Tim de Jong*, Quentin Gronau*, Titia Beek*, Laura Dijkhoff*, Ravi Selker*, Anja Somnavilla*, Helen Steingroever*, Joram van Driel*, Angelos Kryptos*, Sven Stringer*, Dora Matzke*, Tom Lodewyckx*, Don van Ravenzwaaij*, Ruud Wetzels*, Gilles Dutilh*.
- *International students*: Julius Pfadt, Angelika Stefan*, Akash Raj*, Johnny van Doorn*, Felix Wolff*, Martin Šmíra*, Lutz Ostkamp*, Akhil Hens*, Darja Tutschkow*, Avinash Barnwal*, Annika Boldt*, Oliver Dyjas*, Himanshu Kuriyal*, Esther Stroe–Kunold*, Tom Lodewyckx*.

THESIS
OPPOSITION

Member of the thesis committee for: Robbie van Aert (Tilburg University), David Maij (University of Amsterdam), Michele Nuijten (Tilburg University), Sara Steegen (University of Leuven), Coosje Veldkamp (Tilburg University), Florian Böing-Messing (Tilburg University), Paul Williams (University of Newcastle, Australia), Sacha Epskamp (University of Amsterdam), Jorrit Montijn (University of Amsterdam), Xin Gu (Utrecht University), Stijn Verdonck (University of Leuven), Wouter Kruijne (Free University, Amsterdam), Rivka de Vries (University of Groningen), Angelos Kryptos (University of Amsterdam), Maarten Marsman (University of Twente), David Neville (University of Amsterdam), Andrei Teodorescu (Tel-Aviv University), Vivien Marmelat (Free University, Amsterdam, and University of Montpellier), Sandra Andraszewicz (University of Basel), Marjan Bakker (University of Amsterdam), Jesper Tijmstra (Utrecht University), Angelique Cramer (University of Amsterdam), Rogier Kievit (University of Amsterdam), Annemarie Zand Scholten (University of Amsterdam), Esther Stroe–Kunold (University of Heidelberg), Christopher Donkin (University of Newcastle), Joachim Vandekerckhove (University of Leuven), Jiaxiang Zhang (University of Bristol), Kjerstin Torre (University of Montpellier), Lourens Waldorp (University of Amsterdam), and Raoul Grasman (University of Amsterdam).