

Ruud Wetzels

Department of Psychology
University of Amsterdam
Roetersstraat 15
1018 WB Amsterdam
The Netherlands

wetzels.ruud@gmail.com
<http://www.ruudwetzels.com/>
Phone: (+31) 20 – 525 8871
Fax: (+31) 20 – 639 0279

PERSONAL Born September 19, 1980, in Heerlen, The Netherlands. Dutch Citizenship.

EMPLOYMENT Graduate student at the Psychological Methods Department at the University of Amsterdam.

2008–2012 Graduate student with Eric–Jan Wagenmakers, University of Amsterdam. Main interests: Mathematical statistics, Bayesian model selection and mathematical modeling of psychological processes.

2010 Attended the 2010 Applied Bayesian Statistics School: Machine Learning With Biomedical Applications in Bolzano Italy, June 11–15, 2010. The school aims to present state-of-the-art Bayesian applications, inviting leading experts in their field. This year’s lecturer was David Dunson, Department of Statistical Science, Duke University, Durham, NC, USA.

2008 Attended a four day workshop Applied Bayesian Statistics at Utrecht University.

2008 Obtained the degree of “Master of Science” (Cum Laude). Thesis title: Hierarchical Mixture Models of Individual Differences in Category Learning. The research was conducted under supervision of Michael Lee at the University of California, Irvine and Eric–Jan Wagenmakers at the University of Amsterdam.

2006–2008 Undergraduate student with Eric–Jan Wagenmakers, University of Amsterdam. Main interests: Mathematical modeling of psychological processes.

2006 Obtained minor degree in Mathematics at the University of Amsterdam.

PROFESSIONAL ACTIVITIES *2011* Co–organizing and lecturing at a five–day workshop for Bayesian Modeling for Cognitive Science. Other lecturers are Michael Lee and Eric–Jan Wagenmakers

2010–now Volunteer for Bits of Freedom, a Dutch digital rights organization focusing on privacy and communications freedom in the digital age.

2008–2010 Ambassador for the Research Master Psychology at the University

of Amsterdam.

2009 Member of the organizing committee for the 42nd annual meeting of the Society for Mathematical Psychology, to be held from August 1st to August 4th, 2009, in Amsterdam, the Netherlands.

2009 Co-organizing and lecturing at a one-day workshop for Bayesian Modeling for Cognitive Science. Other lecturers are Michael Lee and Eric-Jan Wagenmakers.

PROFESSIONAL
MEMBERSHIPS

Member of the International Society for Bayesian Analysis (ISBA)

Member of the Society for Mathematical Psychology.

Member of the Dutch Psychonomic Society (NVP).

Member of IOPS, a Dutch Research School for Psychometrics and Sociometrics.

AD HOC
REVIEWING

British Journal of Mathematical and Statistical Psychology

The Journal of Statistical Software

Electronic Journal of Statistics

Statistica Neerlandica

The Journal of Neuroscience, Psychology, and Economics

Journal of Statistical Computation and Simulation

Psychological Science

ARTICLES

10. Dyjas, O., Grasman, R.P.P.P., Wetzels, R., van der Maas, H.L.J. & Wagenmakers, E.-J. (submitted). What's in a Name: A Bayesian Hierarchical Analysis of the Name-Letter Effect.

9. Huizenga, H., Wetzels, R., van Ravenzwaaij, D., & Wagenmakers, E.-J. Four empirical tests of unconscious thought theory. *Organizational Behavior and Human Decision Making Processes*, in press.

8. 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.

7. 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. *Journal of Personality and Social Psychology*, *100*, 426-432.
6. 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.
5. Lee, M.D., & Wetzels, R. (2010). Individual differences in attention during category learning. In R. Catrambone, & S. Ohlsson (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society*, 387–392. Austin, TX: Cognitive Science Society.
4. Wetzels, R., Grasman, R. P. P. P., & Wagenmakers, E.-J. (2010). An encompassing prior generalization of the Savage–Dickey density ratio. *Computational Statistics and Data Analysis*, *54*, 2094–2102.
3. Wetzels, R., Lee, M. D., & Wagenmakers, E.-J. (2010). Bayesian Inference Using WBDev: A Tutorial for Social Scientists. *Behavior Research Methods*, *42*, 884–897.
2. 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.
1. 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.

TEACHING

- 2011 Co-Lecturer with the Research Master course “Model Evaluation”.
- 2011 Teaching Assistant with the Research Master course “Bayesian Modeling”.
- 2009-2011 Teaching the second-year course “Onderzoekspracticum”
- 2009 - 2011 Teaching Assistant with the third-year course “Calculus”.
- 2009 - 2011 Teaching Assistant with the third-year course “Mathematical Statistics”.
- 2007-2009, 2011 Teaching Assistant with the course “Programming in R” (a Research Master course, taught by Han van der Maas).
- 2009 Teaching Assistant with the third-year course “Mathematical Psychol-

ogy”.

2008 Teaching the module “Modeling” (part of a third-year course, co-taught with Han van der Maas and Eric-Jan Wagenmakers).

- PRESENTATIONS
15. Wetzels, R., Wagenmakers, E.-J. (2011). A Default Bayesian Hypothesis Test for Correlations and Partial Correlations. Presentation for the 13th NVP conference 2011, Egmond aan Zee.
 14. Steingröver, H., Wetzels, R., & Wagenmakers, E.-J. (2011). Decision-Making in the Iowa Gambling Task: Literature Review and the Expectancy-Valence Model. Presentation for the 13th NVP conference 2011, Egmond aan Zee.
 13. Wagenmakers, E.-J., Steingröver, H., & Wetzels, R. (2011). Unexpected Participant Heterogeneity in the Iowa Gambling Task. Presentation for the CEAR Workshop on Structural Modeling of Heterogeneity in Discrete Choice Under Risk and Uncertainty, December 1 and 2, 2011, Atlanta.
 12. Tutschkow, D., Dolan, C., Dutilh, G., Wetzels, R., van der Sluis, S., & Wagenmakers, E.-J. (2011). A Bayesian test for the hot hand phenomenon. Presentation for the 10th Annual Summer Interdisciplinary Conference, Caldes de Boi, Spain, July 2011.
 11. Wetzels, R., Grasman, R.P.P.P., & Wagenmakers, E.-J. (2011). A Default Bayesian Hypothesis Test for ANOVA Designs. Presentation for the IOPS Methodology Conference in Leuven (Belgium).
 10. Wetzels, R., Grasman, R.P.P.P., & Wagenmakers, E.-J. (2011). A Default Bayesian Hypothesis Test for ANOVA Designs. Presentation for the ASA Spring Methodology Conference in Tilburg.
 9. Lee, M.D., & Wetzels, R. (2010). Individual differences in attention during category learning. Presentation for the annual meeting of the cognitive science society.
 8. 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.
 7. Wagenmakers, E.-J., Dyjas, O., Grasman, R.P.P.P., & Wetzels, R. (2009). Are researchers egoistic when they write an abstract? Presentation for the 50th annual meeting of the Psychonomic Society, Boston, November 2009.
 6. Wagenmakers, E.-J., Wetzels, R., & Grasman, R.P.P.P. (2009). An Encompassing Prior Generalization of the Savage-Dickey Density Ratio Test. Presen-

tation for the conference for Mathematical Psychology 2009 in Amsterdam.

5. Wetzels, R. (2009). Writing functions in WBDev. Presentation for the workshop “Bayesian Modeling for Cognitive Science”.

4. Wagenmakers, E.-J., & Wetzels, R. (2009). Bayesian Hypothesis Testing Without Tears. Presentation for the Mathematical Psychology conference in Newcastle, Australia, February 2009.

3. Wetzels, R., Lee, M., & Wagenmakers, E.-J. (2008). Bayesian Inference Using WBDev: a Tutorial for Social Scientists. Presentation for the ScIP conference in Chicago, USA, July 2008.

2. Lee, M., & Wetzels, R. (2008). Bayesian inferences about individual differences in category learning using ALCOVE. Presentation for the Mathematical Psychology conference in Washington, USA, 2008.

1. Wetzels, R., Vandekerckhove, J., Tuerlinckx, F., & Wagenmakers, E.-J. (2008). Bayesian Parameter Estimation in the Expectancy Valence Model of the Iowa Gambling Task. Presentation at the Mathematical Psychology conference in Washington, USA, July 2008.

POSTER
PRESENTATIONS

5. van Driel, J., Ivry, R. B., Ridderikhoff, A., Wetzels, R., Wagenmakers, E.-J. (2011). How Time Flies Between Ears and Eyes: Cross-Modal Integration Processes in Time Perception.

4. Wetzels, R., Grasman, R. P. P. P., & Wagenmakers, E.-J. (2010). An encompassing prior generalization of the Savage–Dickey density ratio. Poster presented at ISBA 2010, Valencia.

3. Wetzels, R., Grasman, R. P. P. P., & Wagenmakers, E.-J. (2010). An encompassing prior generalization of the Savage–Dickey density ratio. Poster presented at the conference at CRiSM 2010 in Warwick.

2. Dyjas, O., Grasman, R.P.P.P, Wetzels, R., van der Maas, H.J.L., & Wagenmakers, E.-J. Are Researchers Egoistic When They Write an Abstract? A Bayesian Hierarchical Test of the Name–Letter Effect. Poster as presented at the Mathematical Psychology 2009 conference in Amsterdam.

1. Wetzels, R., & Wagenmakers, E.-J. (2007). Testing the Validity of the Expectancy-Valence Model for the Iowa Gambling Task. Poster presentation at the 11th NVP Winter Conference, *De Nederlandse Vereniging voor Psychonomie*, Egmond aan Zee, December 2007.