Don van Ravenzwaaij

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Personal

Born February 20, 1984, in 's Gravenhage, The Netherlands. Dutch Citizenship.

Employment

Nov 2026 – Present. Professor (Full) in the Psychometrics and Statistics Department of Psychology at the University of Groningen, The Netherlands.

Apr 2021 – Oct 2026. Professor (Adjunct) in the Psychometrics and Statistics Department of Psychology at the University of Groningen, The Netherlands.

Feb 2018 – Mar 2021. Associate Professor (UHD) in the Psychometrics and Statistics Department of Psychology at the University of Groningen, The Netherlands.

Aug 2015 – Jan 2018. Assistant Professor (UD) in the Psychometrics and Statistics Department of Psychology at the University of Groningen, The Netherlands.

Aug 2013 – Aug 2015. Assistant Professor (Lecturer) in Cognitive and Quantitative Psychology at the University of Newcastle, Australia.

Apr 2012 – July 2013. Post-doctoral research fellow in the Cognitive Psychology department of the University of New South Wales, Sydney, Australia.

Jan 2008 – Dec 2011. PhD student in the Psychological Methods department at the University of Amsterdam, The Netherlands.

Sep 2007 – Dec 2007. RA in the Psychological Methods department at the University of Amsterdam, The Netherlands.

Mar 2005 – Mar 2007. RA in the Psychonomics department at the University of Amsterdam, The Netherlands.

Teaching (as of 2017)

Present

Sep 2024 – Present. Course coordinator for "Repeated Measures" (PSMM-2): Graduate course on within-subjects inferential statistics.

Sep 2024 – Present. Course coordinator for "Statistics 1B" (PSBE1-09): Undergraduate course on inferential statistics.

Sep 2023 – Present. Course coordinator for "Advanced Statistics" (GMMSGE23): Research master course on general linear models, parameter estimation, and Bayesian inference.

Past

Sep 2023 – Aug 2024. Lecturer for "Statistiek 1A" (PSBA1-05) and "Statistiek 1B" (PSBA1-08): Undergraduate courses on descriptive and inferential statistics respectively.

Sep 2021 – Aug 2023. Course coordinator for "Statistical Solutions to Problems in Psychology" (PSB3E-M16): Third-year course on advanced statistical techniques.

April 2019 – Aug 2023. Lecturer for "Reflecting on Science and Integrity" (GMTPGE08): Research master course in which I taught a module I designed on how to preregister a manuscript.

Oct 2018 – Aug 2023. Lecturer for "Advanced Statistics" (GMMSGE23): Research master course in which I taught a module I designed on Bayesian statistics.

Sep 2019 – Aug 2022. Lecturer for"Statistics 1A" (PSBE1-08) and "Statistics 1B" (PSBE1-09): Undergraduate courses on descriptive and inferential statistics respectively.

April 2017 – April 2018. Course coordinator for "Transparency in Science" (GMMSGE26): Research master course I designed in which students learned about important skills to promote transparency in science, such as pre-registration of research designs, online repositories for data and programming code, and tools for assessing research findings in need of replication.

Post-Graduate Supervision

PhD-students

Jan 2025 – Present. Gustavo Marquez. Supervision: D. van Ravenzwaaij, R. Hoekstra, and H. A. L. Kiers. University of Groningen. Expected date of handing in thesis: January 2029.

Feb 2023 – Present. Aljoscha Rimpler. Supervision: D. van Ravenzwaaij and H. A. L. Kiers. University of Groningen. Expected date of handing in thesis:

February 2027.

Sep 2019 – Nov 2023. Joyce Hoek. *What is a Good Decision in Medicine Regulation? Unravelling the Regulatory Thought Process* Supervision: D. van Ravenzwaaij, Y. A. de Vries, J. M. Brenninkmeijer, and R. R. Meijer. University of Groningen. Date of graduation: March 20, 2025.

Sep 2019 – Oct 2023. Maximilian Linde. *The Use of Bayes Factors in Biomedicine: A Call for Open and User-Friendly Tools* Supervision: D. van Ravenzwaaij and J. N. Tendeiro. University of Groningen. Date of graduation: June 10, 2024.

May 2019 – Sep 2023. Jasmine Muradchanian. *Replicability in Science: Quantification, Interpretation, and the Role of Publication Bias* Supervision: D. van Ravenzwaaij, R. Hoekstra, and H. A. L. Kiers. University of Groningen. Date of graduation: April 22, 2024.

Sep 2019 – April 2023. Merle-Marie Pittelkow. *Assessing Evidence and Uncertainty: Informed Decision Making in Drug Approval and Replication Target Selection* Supervision: D. van Ravenzwaaij, Y. A. de Vries, and R. R. Meijer. University of Groningen. Date of graduation: October 23, 2023.

Sep 2016 – Dec 2019. Daniela Crisan. *Practical Significance of Item Response Theory Model Misfit: Much Ado About Nothing?* Supervision: J. N. Tendeiro, R. R. Meijer, and D. van Ravenzwaaij. University of Groningen. Date of graduation: July 2, 2020.

Oct 2017 – Sep 2018. Matthias Haucke. Supervision: D. van Ravenzwaaij, R. Hoekstra, and H. A. L. Kiers. University of Groningen.

Mar 2014 – Jan 2017. Gabriel Tillman. *Advancing Methods and Mathematical Models of Perceptual Decision Making* Supervision: D. van Ravenzwaaij, S. D. Brown, and A. Heathcote. University of Newcastle. Date of graduation: February 17, 2017.

Apr 2012 – Jan 2015. Christin Schulze. *Adaptive Rationality in Sequential Choice Under Risk and Uncertainty* Supervision: B. R. Newell and D. van Ravenzwaaij. University of New South Wales. Date of graduation: May 20, 2015.

Post-docs

Mar 2024 – Oct 2024. Januschka Schmidt. *Publishing Research Output Continuously (PROCess): The case of modular publishing* Supervision: D. van Ravenzwaaij, S. M. Field, and C. Hartgerink. University of Groningen.

Aug 2015 – Aug 2017. Emmanouil Konstantinidis. *Risky Futures: Toward a*

Computational Process Model of Risky Inter-Temporal Choice Supervision: B. R. Newell and D. van Ravenzwaaij. University of New South Wales.

Organization of Scientific Meetings

November 2025. Organization of a one-day symposium "VVSOR Battle of Philosophies", hosted by the University of Amsterdam in Amsterdam, the Netherlands (with fellow VVSOR board members).

November 2024. Organization of a one-day symposium "VVSOR Artificial Intelligence Day", hosted by the University of Utrecht in Utrecht, the Netherlands (with fellow VVSOR board members).

May 2023. Organization of a one-day symposium "VVSOR Experience Sampling Methodology Day", hosted by the University of Leiden in Leiden, the Netherlands (with fellow VVSOR board members).

April 2023. Organization of a two-day symposium "Gentle Introduction to Bayesian Inference", hosted by the University of Zürich in Zürich, Switzerland.

June 2022. Organization of a one-day symposium "VVSOR Machine Learning Day", hosted by the University of Amsterdam in Amsterdam, the Netherlands (with fellow VVSOR board members).

November 2021. Organization of a one-day workshop "Bayesian Testing of Equivalence, Non-Inferiority, and Superiority with baymedr", hosted at the Nothing but the Truth symposium in Groningen, the Netherlands (with Max Linde).

August 2021. Organization of a five-day workshop "Perspectives on Scientific Error: Parsing History and Comparing Viewpoints", hosted at the Lorentz Center in Leiden, the Netherlands (with Noah van Dongen, Felipe Romero, Remco Heesen, and Marjan Bakker).

November 2017. Organization of a one-day symposium "Improving Statistical Inference in Science", hosted at the Annual Psychonomics Society meeting in Vancouver, Canada (with Rink Hoekstra).

October 2016. Organization of a two-day workshop "Bayesian Estimation of Evidence Accumulation Models using Differential Evolution", hosted at the Leipzig University in Leipzig, Germany (with Alexander Provost and Bryan Paton).

June 2015. Organization of a one-day workshop on "MCMC Sampling and Parameter Estimation", hosted at UoN in Newcastle, Australia (with Chris Donkin and Adam Osth).

June 2014. Organization of a one-day workshop on "MCMC Sampling and Parameter Estimation", hosted at UNSW in Sydney, Australia (with Chris

Donkin and Guy Hawkins).

August 2009. Organization of the three-day annual "Mathematical Psychology Conference", hosted at the University of Amsterdam in Amsterdam, The Netherlands (with other members of EJ Wagenmakers' lab).

Education

Jan 2008 – Dec 2011. PhD in Psychology – cum laude. Department of Psychological Methods at the University of Amsterdam.

- Thesis: The Hare or the Tortoise? Modeling Optimal Speed-Accuracy Tradeoff Settings.

Sep 2005 – Sep 2007. Research Master of Science in Psychology – cum laude. Department of Psychological Methods at the University of Amsterdam.

- Thesis I: Parameter Identification in Ratcliff's Diffusion Model.
- Thesis II: Conflict Monitoring and Control in the Simon Task and the Eriksen Flanker Task: Modelling Reaction Time-Distributions and Exploring Correlates.

Sep 2002 – Sep 2005. Bachelor of Science in Psychology – cum laude. Department of Psychonomics at the University of Amsterdam.

- Thesis: The Dutch WAIS-III after Renorming (De Nederlandstalige WAIS-III na Hernormering).

Sep 2002 – Sep 2003. Propedeuse Beta Gamma – cum laude. Interdisciplinary Department at the University of Amsterdam.

Sep 1996 – Sep 2002. Vossius Gymnasium Amsterdam – cum laude. Courses: Dutch, English, German, French, Economics, Mathematics, Physics, Chemistry.

Education Abroad

Mar 2007 – July 2007. Writing of my second research master thesis with Prof. Dr. Oliver Wilhelm at the Humboldt Universität in Berlin.

Grants & Awards (Funding at least one Position)

March 2026. NWO Research Open Science. "Transparency and Public Trust: Experimental Evidence on Preregistration and Communicating Scientific Uncertainty". Funds a 2-year post-doc (0.8FTE) with Dr. Suzanne Hoogeveen and Dr. Alexandra Sarafoglou

June 2023. NWO Open Science Fund. "Publishing Research Output Continuously (PROCess): The case of modular publishing". Funded an 8-month post-doc (0.8FTE, Januschka Schmidt) with Dr. Sarahanne Field and Dr. Chris Hartgerink

Oct 2022. University of Groningen Psychology PhD Fund. "Keep it simple! On the usefulness of complex study designs in psychological research". Funded a 4-year PhD-student (Aljoscha Rimpler) with Prof. Dr. Henk Kiers

May 2018. NWO Vidi Grant. "Back to Bayesics: Solving the Reproducibility

Crisis in Biomedicine". Funded three PhD-students (Merle-Marie Pittelkow, Max Linde, and Joyce Hoek), sole PI

Jun 2017. University of Groningen BSS Interdisciplinary Grant. "Using Bayes Factors as a Tool for Establishing Studies in Need of Replication". Funded a 4-year PhD-student (Jasmine Muradchanian) with Dr. Rink Hoekstra

Nov 2013. Australian Research Council Discovery Project. "Risky Futures: Toward a Computational Process Model of Risky Inter-Temporal Choice". Funded a 2-year post-doc (1FTE, Emmanouil Konstantinidis) with Prof. Dr. Ben Newell

Nov 2013. Australian Research Council Discovery Early Career Researcher Award. "Do Our Past Decisions Affect Our Present Decisions? An Innovative Model". Funded a 3-year PhD-student (Gabriel Tillman), sole PI

Professional Service

Local

Feb 2023 – Present. Chair of the Exam Committee of the Research Master of the Faculty Council of Behavioral and Social Sciences. University of Groningen.

June 2022 – Present. Chair of the cross-sectional theme of the Sector Plans 'Communication, Information, and Social Inequality in a Digital World' within the Faculty Behavioral and Social Sciences. University of Groningen.

April 2019 – Present. Member of the Board of Appeal for Examinations (across the FEB, BSS, and FSS faculties). University of Groningen.

June 2021 – Jan 2024. Chair of the working group Open Science of the Faculty Behavioral and Social Sciences. University of Groningen.

April 2021 – Jan 2023. Member of the Exam Committee of the Research Master of the Faculty Council of Behavioral and Social Sciences. University of Groningen.

May 2021 – Sep 2021. Vice chair of the Faculty Council of Behavioral and Social Sciences. University of Groningen.

Aug 2019 – Sep 2021. Staff member of the Faculty Council of Behavioral and Social Sciences. University of Groningen.

June 2016 – Aug 2019. Member of the Education Committee Psychology. University of Groningen.

Aug 2015 – Aug 2021. Manager of the Methodology Shop of the Faculty Be-

havioral and Social Sciences. University of Groningen. The Methodology Shop employs a number of students proficient at statistics. The purpose of the shop is to provide counseling to other researchers (students or faculty) who have a statistical problem of any kind.

National

Aug 2026 – Present. Member of the NWO scientific advisory panel for behavior and educational sciences.

Feb 2021 – Present. Board Member at *Vereniging voor Statistiek en Operations Research.*

Sept 2022 – Aug 2023. Member of the NWO Vidi assessment panel for behavior and educational sciences.

Jan 2012 – Mar 2012. Member of the statistical branch of the Stapel-committee, investigating the scientific publications of D. A. Stapel during his period of employment at the University of Amsterdam.

Editorships

Jan 2024 – Present. Editor-in-Chief at *Collabra: Psychology.*

Jan 2020 – Dec 2023. Senior Editor at *Collabra: Psychology.*

Jan 2020 – Dec 2023. Consulting Editor at *Behavior Research Methods.*

Mar 2018 – Dec 2019. Associate Editor at *Behavior Research Methods.*

Professional Memberships

2022 – Present. Member of the Australian Society for Mathematical Psychology.

2019 – Present. Member of the Society for the Improvement of Psychological Science.

2015 – Present. Fellow of the Psychonomics Society.

2008 – Present. Member of the Society for Mathematical Psychology.

2018 – 2021. Member of the Association for Psychological Science.

2021. Member of the American Psychological Association.

2014 – 2015. Member of the Psychonomics Society.

Journal Articles

100. Rimpler, A., Kiers, H. A. L., & van Ravenzwaaij, D. (2026). The Joint Effects of Measurement Error and Model Misspecification on Statistical Interactions. Manuscript submitted for publication.

99. Sarafoglou, A., Hoogeveen, S., van Ravenzwaaij, D., Hoffmann, S., & Aczel, B. (2026). Ten Strategies to Improve Many-Analysts Studies. Manuscript submitted for publication.

98. Ly, A., Boehm, U., Grünwald, P., Ramdas, A., & van Ravenzwaaij, D. (2026). A Tutorial on Safe Anytime-Valid Inference: Practical Maximally Flexible Sampling Designs for Experiments Based on e-Values. Manuscript submitted for publication.

97. Rimpler, A., Kiers, H. A. L., & van Ravenzwaaij, D. (in press). Anything Goes: Statistical Interactions Without Substantive Theory. *Computational Brain & Behavior*.

96. Marquez Flores, G., Hoekstra, R., Kiers, H. A. L., & van Ravenzwaaij, D. (2026). Types of Statistical Arguments in Empirical Research in Psychology. *Royal Society Open Science, 13*, 260798.

95. Aczel, B., Szaszi, B., Clelland, H. T., Kovacs, M., Holzmeister, F., van Ravenzwaaij, D., ... Nosek, B. (2026). Investigating the Analytical Robustness of the Social and Behavioural Sciences. *Nature, 652*, 135-142.

94. Lortz, S. A. J., Setiono, A., Kovacs, M., & van Ravenzwaaij, D. (2026). Sample Size Planning for Frequentist and Bayesian 2 × 2 ANOVA Designs. *Advances in Methods and Practices in Psychological Science, 9*, 1-11.

93. Knoechel, T.-D., Schweizer, K., Acar, O.A., Akil, A., Al-Hoorie, A., Buehler, F., Elsherif, M., Giannini, A., Heyselaar, E., Hosseini, M., Ilangovan, V., Kovacs, M., Lin, Z., Liu, M., Peeters, A., van Ravenzwaaij, D., Vranka, M., Yamada, Y., Yang, Y.-F., & Aczel, B. (2025). Core Principles of Responsible Generative AI Usage in Research. *AI and Ethics, 5*, 6371-6377.

92. Pittelkow, M.-M., Field, S. M., & van Ravenzwaaij, D. (2025). Thinking Beyond RVCN: We Need to Address the Complexity of Replication Target Selection. *Meta-Psychology, 9*, 1-6.

91. Linde, M., Tendeiro, J. N., & van Ravenzwaaij, D. (2025). Bayes Factors for Two-group Comparisons in Cox Regression with an Application for Reverse-Engineering Raw Data from Summary Statistics. *Journal of Applied Statistics, 52*, 2413-2437.

90. Bognar, M., Varga, M. A., van Ravenzwaaij, D., Kekecs, Z., Grange, J. A., Gyurkovics, M., & Aczel, B. (2025). Multiverse Simulation to Explore the Impact of Analytical Choices on Type I and Type II Errors in a Reaction Time Study. *Behavior Research Methods, 57*, 291.

89. Röseler, L.*, Wallrich, L.*, Hartmann, H., Hüffmeier, J., Goltermann, J., Pennington, C. R., Boyce, V., Field, S. M., Pittelkow, M.-M., Silverstein, P., van Ravenzwaaij, D., & Azevedo, F. (2025). Handbook for Reproduction and Replication Studies. https://doi.org/10.5281/zenodo.16990114. *shared first authorship

88. Boag, R. J., Innes, R. J., Stevenson, N., Bahg, G., Busemeyer, J. R., Cox, G. E., Donkin, C., Frank, M. J., Hawkins, G. E., Heathcote, A., Hedge, C., Lerche, V., Lilburn, S. D., Logan, G. D., Matzke, D., Miletic, S., Osth, A. F., Palmeri, T. J., Sederberg, P. B., Singmann, H., Smith, P. L., Stafford, T., Steyvers, M., Strickland, L., Trueblood, J. S., Tsetsos, K., Turner, B. M., Usher, M., van Maanen, L., van Ravenzwaaij, D., Vandekerckhove, J., Voss, A., Weichart, E. R., Weindel, G., White, C. N., Evans, N. J., Brown, S. D., & Forstmann, B. U. (2025). An Expert Guide to Planning Experimental Tasks for Evidence Accumulation Modelling. *Advances in Methods and Practices in Psychological Science, 8*, 1-41.

87. van Minnen, O., Linde, M., Oude Lansink-Hartgering, A., van den Boogaard, B., Bunge, J. J. H., Delnoij, T. S. R., Kraemer, C. V. E., Kuijpers, M., Maas, J. J., de Metz, J., van de Poll, M., dos Reis Miranda, D., Vlaar, A. P. J., van Ravenzwaaij, D., & van den Bergh, W. M. (2025). Reduced anticoagulation targets in extracorporeal life support (RATE): Protocol for a pre-planned secondary Bayesian analysis of the RATE trial. *Trials, 26*, 90.

86. Costa, C., Pezzetta, R., Toffalini, E., Grassi, M., Cona, G., Miniussi, C., ... PECANS Extended Working Group. (2025). Enhancing the quality and reproducibility of research: Preferred Evaluation of Cognitive and Neuropsychological Studies - The PECANS statement for human studies. *Behavior Research Methods, 57*, 182.

85. Linde, M., Jochim, L., Tendeiro, J. N., & van Ravenzwaaij, D. (2025). Data-driven Prior Elicitation for Bayes Factors in Cox Regression for Nine Subfields in Biomedicine. *PLOS ONE, 20*, e0322144.

84. van Ravenzwaaij, D., de Jong, M., Hoekstra, R., Scheibe, S., Span, M. M., van Bergen, D., Wessel, I., & Heininga, V. E. (2025). De-Identification When Making Data Sets Findable, Accessible, Interoperable, and Reusable (FAIR): Two Worked Examples From the Behavioral and Social Sciences. *Advances in Methods and Practices in Psychological Science, 8*, 1-23.

83. Kerschbaumer, S., Voracek, M., Aczel, B., Anderson, S. F., Booth, B. M., Buchanan, E. M., Carlsson, Heck, D. W., Hiekkaranta, A. P., Hoekstra, R., Karch, J. D., Lafit, G., Lin, Z., Liu, S., MacKinnon, D. P., McGorray, E. L.,

Moreau, D., Papadatou-Pastou, M., Paterson, H., Perera, R. A., Schad, D. J., Sewell, D. K., Syed, M., Tay, L., Tendeiro, J. N., Toland, M. D., Vanpaemel, W., van Ravenzwaaij, D., Voncken, L., & Tran, U. S. (2025). VALID: A Checklist-Based Approach for Improving Validity in Psychological Research. *Advances in Methods and Practices in Psychological Science, 8*, 1-16.

82. Rimpler, A., Kiers, H. A. L., & van Ravenzwaaij, D. (2025). To Interact or not to Interact: Pros and Cons of Including Interactions in Linear Regression Models. *Behavior Research Methods, 57*, 92.

81. van Ravenzwaaij, D. (2025). General Triage, Geolocation Data, and Registered Revisions: A Peek Under the Hood of Collabra: Psychology. *Collabra: Psychology, 11*, 129026.

80. Davis-Stober, C. P., Sarafoglou, A., Aczel, B., Chandramouli, S. H., Errington, T. M., Field, S. M., Fishbach, A., Freire, J., Ioannidis, J. P. A., Oberauer, K., Pestilli, F., Ressl, S., Schad, D. J., ter Schure, J., Tentori, K., van Ravenzwaaij, D., Vandekerckhove, J., & Gundersen, O. E. (2025). How Can We Make Sound Replication Decisions? *Proceedings of the National Academy of Sciences, 122*, e2401236121.

79. Muradchanian, J., Hoekstra, R., Kiers, H. A. L., & van Ravenzwaaij, D. (2024). Evaluating meta-analysis as a replication success measure. *PLOS ONE, 19*, e0308495.

78. Linde, M., Tendeiro, J. N., Wagenmakers, E.-J., & van Ravenzwaaij, D. (2024). Practical Implications of Equating Equivalence Tests: Reply to Campbell and Gustafson (2022). *Psychological Methods, 29*, 603-605.

77. Pittelkow, M.-M., Linde, M., de Vries, Y. A., Hemkens, L. G., Schmitt, A. M., Meijer, R. R., & van Ravenzwaaij, D. (2024). Strength of Statistical Evidence for the Efficacy of Cancer Drugs: A Bayesian Re-Analysis of Trials Supporting FDA Approval. *Journal of Clinical Epidemiology, 174*, 111479.

76. Sarafoglou, A., Hoogeveen, S., van den Bergh, D., Aczel, B., Albers, C. J., Althoff, T., Botvinik-Nezer, R., Busch, N. A., Cataldo, A. M., Devezer, B., van Dongen, N. N. N., Dreber, A., Fried, E., Hoekstra, R., Hoffman, S., Holzmeister, F., Huber, J., Huntington-Klein, N., Ioannidis, J. P. A., Johannesson, M., Kirchler, M., Loken, E., Mangin, J.-F., Matzke, D., Menkveld, A. J., Nilsonne, G., van Ravenzwaaij, D., Schweinsberg, M., Schulz-Kuempel, H., Shanks, D. R., Simons, D. J., Spellman, B. A., Stoevenbelt, A. H., Szaszi, B., Trübutschek, D., Tuerlinckx, F., Uhlmann, E. L., Vanpaemel, W., Wicherts, J., & Wagenmakers, E.-J. (2024). Subjective Evidence Evaluation Survey For Multi-Analyst Studies. *Royal Society Open Science, 11*, 240125.

75. Hoek, J. M., Brenninkmeijer, J. M., de Vries, Y.-A., Meijer, R. R., & van Ravenzwaaij, D. (2024). Assessing the credibility of a drug's effects: Identification and judgment of uncertainty by the Dutch Medicines Evaluation Board.

Frontiers in Medicine, 11, 1409259.

74. Muradchanian, J., Hoekstra, R., Kiers, H. A. L., Fife, D., & van Ravenzwaaij, D. (2024). Comparing researchers' degree of dichotomous thinking using frequentist versus Bayesian null hypothesis testing. *Scientific Reports, 14*, 12120.

73. Linde, M., Pittelkow, M.-M., Schwarzbach, N. R., & van Ravenzwaaij, D. (2024). Reputation without practice? A dynamic computational model of the unintended consequences of open scientist reputations. *Journal of Trial and Error, 4*.

72. Sakaluk, J. K., de Santis, C., Kilshaw, R., Pittelkow, M.-M., Brandes, C., Boness, C., Botanov, Y., Lorenzo-Luaces, L., Schleider, J., Wendt, D. C., Williams, A. J., & van Ravenzwaaij, D. (2023). Reconsidering What Makes Syntheses of Psychological Intervention Studies Useful. *Nature Reviews Psychology, 2*, 569-583.

71. Linde, M., & van Ravenzwaaij, D. (2023). baymedr: An R Package for the Calculation of Bayes Factors for Equivalence, Non-Inferiority, and Superiority Designs. emphBMC: Medical Research Methodology, 23, 279.

70. The MARP Team (2023). A many-analysts approach to the relation between religiosity and well-being. *Religion, Brain & Behavior, 13*, 237-283.

69. Muradchanian, J., Hoekstra, R., Kiers, H. A. L., & van Ravenzwaaij, D. (2023). The Role of Results in Deciding to Publish: A Direct Comparison Across Authors, Reviewers, and Editors Based on an Online Survey. *PLOS ONE, 18*, e0292279.

68. van Ravenzwaaij, D., Bakker, M., Heesen, R., Romero, F., van Dongen, N. N. N., Crüwell, S., Field, S. M., Held, L., Munafò, M. R., Pittelkow, M.-M., Tiokhin, L., Traag, V. A., van den Akker, O. R., van 't Veer, A. E., & Wagenmakers, E.-J. (2023). Perspectives on Scientific Error. *Royal Society Open Science, 10*, 230448.

67. Linde, M., Tendeiro, J. N., Selker, R., Wagenmakers, E.-J., & van Ravenzwaaij, D. (2023). Decisions About Equivalence: A Comparison of TOST, HDI-ROPE, and the Bayes Factor. *Psychological Methods, 28*, 740-755.

66. Heck, D. W., Boehm, U., Böing-Messing, F., Bürkner, P. C., Derks, K., Dienes, Z., Fu, Q., Gu, X., Karimova, D., Kiers, H. A. L., Klugkist, I. G., Kuiper, R. M., Lee, M. D., Leenders, R., Leplaa, H. J., Linde, M., Ly, A., Meijerink-Bosman, M., Moerbeek, M., Mulder, J., Palfi, B., Schönbrodt, F. D., Tendeiro, J. N., van den Bergh, D., van Lissa, C., van Ravenzwaaij, D., Vanpaemel, W., Wagenmakers, E.-J., Williams, D. R., Zondervan-Zwijnenburg, M., & Hoijtink, H. (2023). A Review of Applications of the Bayes Factor in Psychological Research. *Psychological Methods, 28*, 558-579.

65. van Doorn, J. B., Haaf, J. M., Stefan, A. M., Wagenmakers, E.-J., Cox, G. E., Davis-Stober, C. P., Heathcote, A., Heck, D. W., Kalish, M., Kellen, D., Matzke, D., Morey, R. D., Nicenboim, B., van Ravenzwaaij, D., Rouder, J. N., Schad, D. J., Shiffrin, R. M., Singmann, H., Vasishth, S., Veríssimo, J., Bockting, F., Chandramouli, S., Dunn, J. C., Gronau, Q. F., Linde, M., McMullin, S. D., Navarro, D., Schnuerch, M., Yadav, H., & Aust, F. (2023). Bayes Factors for Mixed Models: A Discussion. *Computational Brain & Behavior, 6*, 140-158.

64. Linde, M. & van Ravenzwaaij, D. (2023). Bayes Factor Model Comparisons Across Parameter Values for Mixed Models. *Computational Brain & Behavior, 6*, 14-27.

63. Pittelkow, M.-M., Field, S. M., Isager, P. M., van 't Veer, A. E., Anderson, T., Cole, S. N., Dominik, T., Giner-Sorolla, R., Gok, S., Heyman, T., Jekel, M., Luke, T. J., Mitchell, D. B., Peels, R., Pendrous, R., Sarrazin, S., Schauer, J. M., Specker, E., Tran, U. S., Vranka, M. A., Wicherts, J. M., Yoshimura, N., Zwaan, R. A., & van Ravenzwaaij, D. (2023). The Process of Replication Target Selection in Psychology: What to Consider? *Royal Society Open Science, 10*, 210586.

62. Fraser, H., Bush, M., Wintle, B. C., Mody, F., Smith, E., Hanea, A., Gould, E., Hemming, V., Hamilton, D. G., Rumpff, L., Wilkinson, D. P., Pearson, R., Thorn, F. S., Ashton, R., Willcox, A., Gray, C., Head, A., Ross, M., Groenewegen, R., Marcoci, A., Vercammen, A., Parker, T., Hoekstra, R., Nakagawa, S., Mandel, D. R., van Ravenzwaaij, D., McBride, M., Sinnott, R. O., Vesk, P., Burgman, M., & Fidler, F. (2023). Predicting reliability through structured expert elicitation with repliCATS (Collaborative Assessments for Trustworthy Science). *PLOS ONE, 18*, e0274429.

61. van Ravenzwaaij, D., & Wagenmakers, E.-J. (2022). Advantages Masquerading as 'Issues' in Bayesian Hypothesis Testing: A Commentary on Tendeiro and Kiers (2019). *Psychological Methods, 27*, 451-465.

60. Tendeiro, J., Kiers, H. A. L., & van Ravenzwaaij, D. (2022). Worked-Out Examples of the Adequacy of Bayesian Optional Stopping. *Psychonomic Bulletin & Review, 29*, 70-87.

59. Kovacs, M.*, van Ravenzwaaij, D.*, Hoekstra, R., & Aczel, B. (2022). SampleSizePlanner: A Tool to Estimate and Justify Sample Size for Two-Group Studies. *Advances in Methods and Practices in Psychological Science, 5*, 1-10.

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13. Newell, B. R., van Ravenzwaaij, D., & Donkin, C. (2013). A Quantum of Truth? Querying the Alternative Benchmark for Human Cognition (Commentary Article). *Behavioral Brain Sciences, 36*, 300-302.

12. Newell, B. R., Koehler, D. J., James, G., Rakow, T. & van Ravenzwaaij, D. (2013). Probability Matching in Risky Choice: The Interplay of Feedback and Strategy Availability. *Memory & Cognition, 41*, 329-338.

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4. 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.

3. van Ravenzwaaij, D., & Oberauer, K. (2009). How to Use the Diffusion Model: Monte-Carlo Simulations Evaluating Parameter Recovery of Three Methods: EZ, Fast-DM, and DMAT. *Journal of Mathematical Psychology, 53*, 463-473.

2. Keye, D., Wilhelm, O., Oberauer, K., & van Ravenzwaaij, D. (2009). Individual Differences in Conflict-Monitoring: Testing Means and Covariance Hypothesis about the Simon and the Eriksen Flanker Task. *Psychological Research, 73*, 762-776.

1. van Ravenzwaaij, D., & Hamel, R. (2006). De Nederlandstalige WAIS-III na Hernormering. *De Psycholoog, 5*, 268-271.

Refereed Conference Proceedings

Konstantinidis, E., van Ravenzwaaij, D., & Newell, B. R. (2017). Exploring the Decision Dynamics of Risky Intertemporal Choice. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. Davelaar (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society* (pp. 694-699). Berlin, Germany: Cognitive Science Society.

van Ravenzwaaij, D., Newell, B. R., Moore, C. P., & Lee, M. D., (2013). Using Recognition in Multi-Attribute Decision Environments. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 3627-3632). Berlin, Germany: Cognitive Science Society.

Schulze, C., van Ravenzwaaij, D., & Newell, B. R. (2013). Match Me if You Can: How Smart Choices are Fueled by Competition. In M. Knauff, M. Pauen,

N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 3372-3377). Berlin, Germany: Cognitive Science Society.

Book Chapters

van Ravenzwaaij, D. (2018). MCMC: A Clever Way to Run the Numbers. In Farrell, S. & Lewandowsky, S. (Eds.). *Computational Modeling of Cognition and Behaviour* (pp. 170-171). Cambridge University Press.

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). John Wiley & Sons.

van Ravenzwaaij, D., Lee, M. D., & Wagenmakers, E.-J. (2013). The BART Model of Risk Taking. In M. D. Lee, & E.-J. Wagenmakers (Eds.), *Bayesian Cognitive Modeling: A Practical Course* (pp. 206-211). Cambridge University Press.

Invited Presentations

van Ravenzwaaij, D. (2024, July). *How Best to Quantify Replication Success?* Invited presentation for the International Meeting of the Psychonomics Society, Prague, Czech Republic.

van Ravenzwaaij, D. (2023, November). *How to Make Your Dataset GDPR Compliant and Fair?* Invited presentation for the Increase Your Impact Symposium of the Hanzehogeschool, Groningen, The Netherlands.

van Ravenzwaaij, D. (2023, June). *How to Make Your Dataset GDPR Compliant and Fair?* Invited presentation for the Open Science Center Groningen summer event, Groningen, The Netherlands.

van Ravenzwaaij, D. (2022, June). *What to Replicate?* Invited presentation for the SAVI conference, Eindhoven, The Netherlands.

van Ravenzwaaij, D. (2021, December). *Bayes Factors for Null Hypothesis Testing: On the Principle of Parsimony* Keynote presentation for the IOPS conference, virtual.

van Ravenzwaaij, D. (2020, February). *Strength of evidence in the recommendation of medications.* Invited presentation for the Tobacco and Alcohol Research Group, Bristol, UK.

van Ravenzwaaij, D. (2020, January). *Evaluating Statistical Evidence in Biomedical Research, Meta-Studies, and Radical Randomization.* Invited presentation for the Design and Analysis of Replication Studies Symposium, Zürich, Switzerland.

van Ravenzwaaij, D. (2019, October; 2021, February). *Bayesian Hypothesis Testing: The One-Hour Version.* Invited presentation for the BCN Symposium,

Groningen, The Netherlands.

van Ravenzwaaij, D. (2018, July). *Thoughts on Evaluating Statistical Evidence in Biomedical Research.* Invited presentation for the METRICS lab, Stanford, US.

van Ravenzwaaij, D. (2018, June). *Perspectives on Evaluating Statistical Evidence in Biomedical Research.* Invited presentation for the statistical division of the European Medicines Agency, London, UK.

van Ravenzwaaij, D. (2018, February). *On Replications: Something Empirical, Methodological, Perceptual, and Statistical.* Invited lecture for the department of Cognitive Psychology, Melbourne, Australia.

van Ravenzwaaij, D. (2016, December). *RT Modeling: Parsimony, Joint Modeling, and Relative Accumulation.* Keynote lecture for the biannual IOPS conference, Groningen, The Netherlands.

van Ravenzwaaij, D. (2016, November). *RT Modeling: Parsimony, Joint Modeling, and Relative Accumulation.* Invited lecture for the School of Psychology at the University of Zürich, Switzerland.

van Ravenzwaaij, D. (2016/2017, April). *Alternatives to DDM: LBA, LCA & EZ.* Invited lecture for the Groningen Spring School on Cognitive Modeling, Groningen, The Netherlands.

van Ravenzwaaij, D. (2016, March). *Response Time Models & Preregistered Replications.* Invited presentation for the Clinical Department of the School of Psychology at the University of Groningen, The Netherlands.

van Ravenzwaaij, D. (2016, February). *Response Time Models & Preregistered Replications.* Invited presentation for the School of Psychology at Newcastle University, Newcastle, Australia.

van Ravenzwaaij, D. (2014, October). *Bayesian Models of Cognition: Normative or Descriptive?* Invited presentation for the School of Psychology at Newcastle University, Newcastle, Australia.

van Ravenzwaaij, D. (2014, February). *Introduction to Bayesian Statistics: Philosophy and Differences with Frequentist Statistics.* Invited presentation for the Center for Language Studies at the Radboud University Nijmegen, Nijmegen, The Netherlands.

van Ravenzwaaij, D. (2013, September). *What Response Time Modeling Can Teach Us: Applications to Alcohol, Prejudice, and Video Games.* Invited presentation for the School of Psychology at the University of New South Wales, Sydney, Australia.

van Ravenzwaaij, D. (2013, March). *Decisions: Timed and Untimed.* Invited presentation for the Department of Psychological Methods at the University of Amsterdam, The Netherlands.

van Ravenzwaaij, D. (2013, February). *The Joys of Response Time Modeling.* Invited presentation for the School of Psychology at University College London, London, UK.

van Ravenzwaaij, D. (2012, November). *The Joys of Response Time Modeling: A Selection of Experimental Work.* Invited presentation for the School of Cognitive Science at the University of California Irvine, Irvine, USA.

van Ravenzwaaij, D. (2012, August). *The Joys of Response Time Modeling.* Invited presentation for the School of Psychology at Newcastle University, Newcastle, Australia.

Conference Presentations

van Ravenzwaaij, D. (2025, May). *How to Properly De-identify Your Dataset and Make It FAIR.* Paper presented at the monthly ReproducibiliTEA meeting, Groningen, The Netherlands.

van Ravenzwaaij, D. (2023, July). *On the Utility of Hypothesis Testing and the Principle of Parsimony.* Paper presented at the annual meeting of the Mathematical Psychology Conference, Amsterdam, The Netherlands.

Kovacs, M.*, van Ravenzwaaij, D.*, Hoekstra, R., & Aczel, B. (2021, November). *SampleSizePlanner: A Tool to Estimate and Justify Sample Size for Two-Group Studies.* Paper presented at the annual meeting of the Psychonomics Society, virtual. *=shared first author

van Ravenzwaaij, D., Selker, R., Linde, M. & Wagenmakers, E.-J. (2019, July). *Evidence for the Absence of an Effect: TOST, ROPE, and Interval BFs.* Paper presented at the annual meeting of the Mathematical Psychology Society, Montreal, Canada.

van Ravenzwaaij, D., & Ioannidis. J. P. A. (2019, July). *Strength of Evidence in the Recommendation of Medications.* Paper presented at the annual meeting of the International Society for Clinical Biostatistics, Leuven, Belgium.

van Ravenzwaaij, D., & Ioannidis. J. P. A. (2018, July). *FDA Policy Revisited: Strength of Evidence for Two 'Significant' Trials.* Paper presented at the International Conference on Teaching Statistics, Kyoto, Japan.

van Ravenzwaaij, D., Brown, S. D., Marley, A. A. J., & Heathcote, A. (2018, May). *Accumulating Advantages: A New Framework for Multi-Alternative Forced Choice Tasks.* Paper presented at the annual meeting of Psychonomics International, Amsterdam, The Netherlands.

Albers, C., Kiers, H., & van Ravenzwaaij, D. (2018, February). *Credible Confidence: A pragmatic view on the frequentist vs Bayesian debate.* Paper presented at the annual meeting of the Australian Society for Mathematical Psychology, Perth, Australia.

van Ravenzwaaij, D., & Ioannidis, J. P. A. (2017, November). *A Simulation Study of the Strength of Evidence in the Endorsement of Medications Based on Two Trials with Statistically Significant Results.* Paper presented at the annual meeting of the Psychonomics Society, Vancouver, Canada.

Tillman, G., Benders, T., Brown, S. D., & van Ravenzwaaij, D. (2017, August). *An Evidence Accumulation Model of Acoustic Cue Weighting in Vowel Perception.* Paper presented at the annual meeting of ICON, Amsterdam, The Netherlands.

van Ravenzwaaij, D., & Ioannidis, J. P. A. (2017, July). *A Simulation Study of the Strength of Evidence in the Endorsement of Medications Based on Two Trials with Statistically Significant Results.* Paper presented at the annual meeting of the Mathematical Psychology Society, Warwick, UK.

van Ravenzwaaij, D., Brown, S. D., Marley, A. A. J., & Heathcote, A. (2017, March). *Accumulating Advantages: A New Framework for Multi-Alternative Forced Choice Tasks.* Paper presented at the annual meeting of TEAP, Dresden, Germany.

van Ravenzwaaij, D., Donkin, C., & Vandekerckhove, J. (2016, July/August). *Less is More: The Power of EZ.* Paper presented at the Annual Summer Interdisciplinary Conference, Selva, Italy and at the annual meeting of the Mathematical Psychology Society, New Brunswick, New Jersey, USA.

van Ravenzwaaij, D., Provost, A., & Brown, S. D. (2016, February). *One Approach for Integrating Neural and Behavioral Data into a Single Model.* Paper presented at the annual meeting of Australian Mathematical Psychology, Tasmania, Australia.

van Ravenzwaaij, D., Brown, S. D., Marley, A. A. J., & Heathcote, A. (2015, July). *The Advantage Linear Ballistic Accumulator: A New Framework for Multi-Alternative Forced Choice Tasks.* Paper presented at the Annual Summer Interdisciplinary Conference, Mammoth Lakes, California, USA and at the annual meeting of the Mathematical Psychology Society, Newport Beach, California, USA.

van Ravenzwaaij, D., Brown, S. D., Marley, A. A. J., & Heathcote, A. (2015, February). *The Advantage Linear Ballistic Accumulator: A New Framework for Multi-Alternative Forced Choice Tasks.* Paper presented at the annual meeting of Australian Mathematical Psychology, Newcastle, Australia.

van Ravenzwaaij, D., Brown, S. D., & Heathcote, A. (2014, November). *The*

Advantage Linear Ballistic Accumulator: A New Framework for Multi-Alternative Forced Choice Tasks. Poster presented at the annual meeting of the Psychonomic Society, Long Beach, California, USA.

van Ravenzwaaij, D., Boekel, W., Forstmann, B. U., Ratcliff, R., & Wagenmakers, E.-J. (2013, August). *Action Video Games Do Not Improve the Speed of Information Processing in Simple Perceptual Tasks.* Paper presented at the annual meeting of the Mathematical Psychology Society, Potsdam, Germany.

van Ravenzwaaij, D., Newell, B. R., Moore, C. P., & Lee, M. D. (2013, July). *Using Recognition in Multi-Attribute Decision Environments.* Poster presented at the annual meeting of Cognitive Science Society, Berlin, Germany.

van Ravenzwaaij, D., Boekel, W., Forstmann, B. U., Ratcliff, R., & Wagenmakers, E.-J. (2013, July). *Video Games: Our Defense Against Old Age?* Paper presented at the annual meeting of the Annual Summer Interdisciplinary Conference, Cortina d'Ampezzo, Italy.

van Ravenzwaaij, D., Moore, C., Lee, M. D., & Newell, B. R. (2012, July). *How to Collect Information in Uncertain Decision Environments?* Paper presented at the annual meeting of the Mathematical Psychology Society, Columbus, Ohio, USA.

van Ravenzwaaij, D., Mulder, M. J., & Wagenmakers, E.-J. (2011, December). *How do we Deal with Bias in Prior Information?* Paper presented at the semi-annual meeting of the Interuniversity Graduate School of Psychometrics and Sociometrics, Leiden, The Netherlands.

van Ravenzwaaij, D., Dutilh, G., & Wagenmakers, E.-J. (2011, July). *New Measure for Post-Error Slowing: Robustness to Global Changes in Task Performance.* Paper presented at the annual meeting of the Mathematical Psychology Society, Boston, Massachusetts, USA.

van Ravenzwaaij, D., van der Maas, H. L. J.., & Wagenmakers, E.-J. (2010, July). *Conditions of Model Equivalence between the Diffusion Model and the LCA.* Paper presented at the annual meeting of the Mathematical Psychology Society, Portland, Oregon, USA.

van Ravenzwaaij, D., Dutilh, G., & Wagenmakers, E.-J. (2009, August). *The Effects of Alcohol: A Diffusion Model Decomposition.* Paper presented at the annual meeting of the Mathematical Psychology Society, Amsterdam, The Netherlands.

van Ravenzwaaij, D., Dutilh, G., & Wagenmakers, E.-J. (2009, June). *The Effects of Alcohol: A Diffusion Model Decomposition.* Paper presented at the meeting of the IOPS Summer Conference, Tilburg, The Netherlands.

van Ravenzwaaij, D., Wilhelm, O., Keye, D., & Oberauer, K. (2007, July). *Se-*

quential Dependency in the Simon and Eriksen Flanker Task. Poster presented at the annual meeting of the International Society on the Study of Individual Differences (ISSID), Giessen, Germany.

Public Outreach (Recent)

Burrell, T. (2026, January). *"Data Sharing Is Growing but Looks Different for Qualitative and Quantitative Methods"* Blogpost for the Association for Psychological Science. The author interviewed a few researchers, including myself, with expertise on data sharing and the challenges associated with it.
`https://www.psychologicalscience.org/publications/observer/data-sharing-qualitative-quantitative.html`

van Ravenzwaaij, D. (2025, December). *"Opening Up Peer Review: Benefits of Transparency"* Interview for the Scholastica Publishing Platform Blog in my role as EiC of Collabra, interviewer Danielle Padula. The article discusses the benefits of publishing the review correspondence along with the published article, a practice we follow at Collabra.
`https://blog.scholasticahq.com/post/making-peer-review-more-transparent/`

van Ravenzwaaij, D. (2025, June). *"Good Practices for FAIR Data Management"* Interview for the Open Science Blog of the University of Groningen Library, interviewer Alba Soares Capellas. The article discusses how to properly de-identify data when making it available in an online repository.
`https://www.rug.nl/library/open-access/blog/good-practices-for-fair-data-management-an-interview-with-don-van-ravenzwaaij-on-research-data-de`