

Curriculum Vitae

dr. Robbie C. M. van Aert

PERSONAL INFORMATION

NAME: dr. Robbie C. M. van Aert
WORK ADDRESS: Tilburg University, Department of Methodology and Statistics,
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RESEARCH EXPERIENCE

July 2021 - Present	Assistant professor (tenured) at the department of Methodology and Statistics, Tilburg University
Jan 2019 - July 2021	Postdoctoral researcher at the department of Methodology and Statistics, Tilburg University Postdoc position funded by the European Research Council (ERC) Consolidator grant of Prof. Dr. J. M. Wicherts
Feb 2018 - Dec 2018	Postdoctoral researcher at the department of Methodology and Statistics, Tilburg University Postdoc position partially funded by a Berkeley Initiative for Transparency in the Social Science (BITSS) SSMART Grant
Jan - Mar 2017	Research visit MRC Biostatistics Unit, University of Cambridge, UK Visiting Dr. D. Jackson, who is an expert on meta-analysis methods, for three months
Sep 2013 - Jan 2018	PhD Candidate in Methodology and Statistics, Tilburg University Project title: <i>Meta-analysis in the presence of publication bias and researcher degrees of freedom</i> Promoters: Prof. Dr. M. A. L. M. van Assen and Prof. Dr. J. M. Wicherts
Feb 2014 - June 2015	The Reproducibility Project: Psychology Member of the analysis committee evaluating publication bias and questionable research practices in the psychological literature Project coordinator: Prof. Dr. B. A. Nosek

EDUCATION

2013 - 2018	PhD in Methodology and Statistics (cum laude) Tilburg University, the Netherlands. Thesis title: <i>Meta-analysis: Shortcomings and potential</i> . Promoters: Prof. Dr. M. A. L. M. van Assen and Prof. Dr. J. M. Wicherts
2015 - 2018	University Teaching Qualification: Modules START, TEACH, SUPERVISE, COURSE, and ASSESSMENT Courses for improving my teaching and supervising skills.
2011 - 2013	Msc, Research Master in Social and Behavioral Sciences (with distinction) Tilburg University, the Netherlands. Minors: Methodology and Statistics and Social Sciences. Thesis title: <i>Examining publication bias in meta-analysis: Comparison of existing techniques with the new p-uniform method</i> .
Sep - Dec 2011	English Advanced (Cambridge Proficiency Level) High level course on writing, listening, speaking, and reading in English.
2008 - 2011	Bsc, Human Resource Management (with distinction) Tilburg University, the Netherlands

TEACHING

Jan 2023 - Present	Meta-Analysis Research Master's course in which I teach the lectures on meta-analysis methods. Roles: Coordinator and lecturer.
Feb 2021 - Present	Experimental Research Methods Bachelor's course taught in English and Dutch on experimental research methods such as ANOVA and repeated measures analyses. Roles: Coordinator and lecturer.
Jan 2019 - 2022	Experimental Research and Meta-Analysis Research Master's course in which I teach the lectures on meta-analysis methods. Roles: Lecturer.
Sep 2017 - 2022	Public Administration Research 3: Quantitative Research An introduction to statistics course for public administration students. Roles: Coordinator and lecturer.
Sep 2017 - 2019	Research Methodology for International Students and Introduction to Research Methodology Courses taught at Tilburg University on measurement errors, validity, reliability, sampling, experiments, survey research, and generating research questions and hypotheses. Roles: Co-coordinator, lecturer, and tutorial instructor.
Jan 2015 - 2016	Research Methodology for International Students Course taught at Tilburg University on measurement errors, validity, reliability, sampling, experiments, survey research, and generating research questions and hypotheses. Role: Tutorial instructor.
Sep 2013 - 2016	Experimental Research Methods Course taught at Tilburg University on AN(C)OVA, repeated measures ANOVA, and within- and between-subjects designs. Role: Tutorial instructor.
Jan 2013 - May 2015	Introduction to Statistics Course taught at Tilburg University on probability theory, hypothesis testing, power analysis, and measures of association. Roles: Coordinator of practicals and tutorials and tutorial instructor.
Sep 2013 - Jan 2015	Statistical Consultant of SPSS Helpdesk Tilburg University Advising master's students of Tilburg University on using statistical methods in their theses.
Sep 2012 - May 2013	Teaching Assistant Teaching bachelor's students an introductory methodology course and supervising practicals.

SUPERVISION

PhD Students:

Oct 2022 - Present	Franziska Rüffer Project title: <i>Moderator analysis in meta-analysis</i>
Sep 2023 - Present	Tsz Keung Wong Project title: <i>Modelling multiverses and correcting for p-hacking</i>
Sep 2024 - Present	Anouk Bouma Project title: <i>How trustworthy are simulation studies? A meta-research perspective</i>
Sep 2024 - Present	Ben Kretzler Project title: <i>Examining variation in causal effects in psychology</i>

Research Master's Students:

Dominick Langenberg (2024), Tijn van Hoesel (2023), Cas Goos (2022), Magdalena Kotek (2021), Myrthe de Jonge (2021), Hongwei Zhao (2021), Santiago Gómez-Echeverry (2020), Emre Alagöz (2020), Martijn Schoenmakers (2020), Gabriela Veleza (2018), Renée Zonneveld (2017), Rita Jiao (2017), Esther Maassen (2014)

Bachelor's Students:

Ernani Hazbolatow (2021), Andrej Bagarić (2021)

GRANTS & AWARDS

Total grants received: €488,858 (\$517,905)

June 2024	Early Career Award Award from the Society for Research Synthesis Methodology (SRSM)
May 2022	NWO Veni Grant: €280,000 Grant from the Dutch Research Council. Project title: <i>Empowering meta-analysis by taking advantage of preregistered and replication studies.</i>
Jun 2020	Herbert Simon Research Institute Grant: €10,000 Grant from the Herbert Simon Research Institute of Tilburg University. Project title: <i>Employing meta-research to enrich COVID-19 preprints and study the impact of time pressure on research quality.</i> I am the PI together with Dr. M. B. Nuijten
Jun 2019	IOPS Best Paper Award 2019: €600 Winner of the 2019 Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS) Best Paper Award for my paper "Examining reproducibility in psychology: A hybrid method for combining a statistically significant original study and a replication"
Mar 2019	Willem R. van Zwet Award: €1,000 Winner of the 2018 Willem R. van Zwet Award for the best dissertation in the field of statistics and/or operations research awarded by the Netherlands Society for Statistics and Operations Research (VVSOR)
Nov 2018	Nominated for the Tilburg University Dissertation Prize 2018 Nominated as one of the two best dissertations of the faculty of Social and Behavioural Sciences of Tilburg University
Mar 2017	IMPS Travel Award: \$500 Travel award to present at International Meeting of the Psychometric Society (IMPS) 2017
Sep 2016	MAER-Net Travel Grant: €1,000 Travel grant to present at the Meta-Analysis of Economics Research Network (MAER-Net) Colloquium 2016
Nov 2015	BITSS SSMART Grant: \$30,000 Grant from the Berkeley Initiative for Transparency in the Social Science, supported by Center for Effective Global Action (CEGA) and partially funded by the Laura and John Arnold Foundation Project title: <i>Getting it Right with Meta-Analysis: Correcting Effect Size for Publication Bias in Meta-Analyses from Psychology and Medicine</i>
Sep 2013	Research Talent Grant: €168,363 Grant from the Netherlands Organisation for Scientific Research (NWO) Project title: <i>Meta-Analysis in the Presence of Publication Bias and Researcher Degrees of Freedom</i>

PUBLICATIONS

Submitted:

- Rüffer, F. F., van Assen, M. A. L. M., Wicherts, J. M., & van Aert, R. C. M. (2025). Effects of publication bias on the moderator effect in meta-analysis. Manuscript submitted for publication.
- Augusteijn, H. E. M., van Aert, R. C. M., & van Assen, M. A. L. M. (2025). Posterior probabilities of effect sizes and heterogeneity in meta-analysis: An intuitive approach to deal with publication bias. Manuscript submitted for publication.
- López-Nicolás, R., López-López, J. A., Sánchez-Meca, J., Sandoval-Lentisco, A., & van Aert, R. C. M. (2025). Statistical power of random-effects meta-analyses of clinical psychological interventions. Manuscript submitted for publication.
- Chan, S. K. S., Cyrus-Lai, W., Schaerer, M., van Aert, R. C. M., van Assen, M. A. L. M., & Uhlmann, E. L. (2025). Cross-cultural generalizability is an empirical question. Manuscript submitted for publication.

Published:

- Mulder, J., & van Aert, R. C. M. (in press). Bayesian evidence synthesis: Safely and efficiently combining statistical evidence in meta-analyses. *Research Synthesis Methods*. <https://doi.org/10.31234/osf.io/6c3kj>
- van Aert, R. C. M., & van Assen, M. A. L. M. (in press). Correcting for publication bias in a meta-analysis with the p-uniform* method. *Psychonomic Bulletin & Review*. <https://doi.org/10.31222/osf.io/zqjr9>
- van Aert, R. C. M. (2025). Meta-analyzing nonpreregistered and preregistered studies. *Psychological Methods*. <https://doi.org/10.1037/met0000719>
- Olsson-Collentine, A., van Aert, R. C. M., Bakker, M., & Wicherts, J. (2025). Meta-analyzing the multiverse: A peek under the hood of selective reporting. *Psychological Methods*, 30(3), 441–461. <https://doi.org/10.1037/met0000559>
- Xue, X., Reed, W. R., & van Aert, R. C. M. (2025). Social capital and economic growth: A meta-analysis. *Journal of Economic Surveys*, 39(4), 1395–1432. <https://doi.org/10.1111/joes.12660>
- Jackson, D., Sweeting, M., van Aert, R. C. M., Bujkiewicz, S., Abrams, K. R., & Viechtbauer, W. (2025). A new frequentist implementation of the Daniels and Hughes bivariate meta-analysis model for surrogate endpoint evaluation. *Biometrical Journal*, 67(2), e70048. <https://doi.org/10.1002/bimj.70048>
- Jackson, D., Viechtbauer, W., & van Aert, R. C. M. (2024). Multistep estimators of the between-study covariance matrix under the multivariate random-effects model for meta-analysis. *Statistics in Medicine*, 43(4), 756–773. <https://doi.org/10.1002/sim.9985>
- van Aert, R. C. M., & Wicherts, J. M. (2024). Correcting for outcome reporting bias in a meta-analysis: A meta-regression approach. *Behavior Research Methods*, 56(3), 1994–2012. <https://doi.org/10.3758/s13428-023-02132-2>
- Weinstein, A. A., van Aert, R. C. M., Donovan, K., Muskens, L., & Kop, W. J. (2024). Affective responses to acute exercise: A meta-analysis of the potential beneficial effects of a single bout of exercise on general mood, anxiety, and depressive symptoms. *Psychosomatic Medicine*, 86(6), 486–497. <https://doi.org/10.1097/PSY.0000000000001321>

- Grosz, M. P., van Aert, R. C. M., & Back, M. D. (2024). A meta-analytic review of the associations of personality, intelligence, and physical size with social status. *Psychological Bulletin*, 150(3), 253–283. <https://doi.org/10.1037/bul0000416>
- Schaerer, M., Du Plessis, C., Nguyen, M. H. B., van Aert, R. C. M., Tiokhin, L., Lakens, D., Giulia Clemente, E., Pfeiffer, T., Dreber, A., Johannesson, M., Clark, C. J., & Uhlmann, E. L. (2023). On the trajectory of discrimination: A meta-analysis and forecasting survey capturing 44 years of field experiments on gender and hiring decisions. *Organizational Behavior and Human Decision Processes*, 179, 104280. <https://doi.org/10.1016/j.obhdp.2023.104280>
- van Aert, R. C. M., & Goos, C. (2023). A critical reflection on computing the sampling variance of the partial correlation coefficient. *Research Synthesis Methods*, 14(3), 520–525. <https://doi.org/10.1002/jrsm.1632>
- van Aert, R. C. M. (2023). Meta-analyzing partial correlation coefficients using Fisher's z transformation. *Research Synthesis Methods*, 14(5), 768–773. <https://doi.org/10.1002/jrsm.1654>
- Niemeyer, H., Knaevelsrud, C., van Aert, R. C. M., & Ehring, T. (2023). Research into evidence-based psychological interventions needs a stronger focus on replicability. *Clinical Psychology in Europe*, 5(3), e9997. <https://doi.org/10.32872/cpe.9997>
- van Aert, R. C. M., Nuijten, M. B., Olsson-Collentine, A., Stoevenbelt, A. H., van den Akker, O. R., Klein, R. A., & Wicherts, J. M. (2023). Comparing the prevalence of statistical reporting inconsistencies in COVID-19 preprints and matched controls: A registered report. *Royal Society Open Science*, 10(8), 1–16. <https://doi.org/10.1098/rsos.202326>
- De Roeck, L., Gillebert, C. R., van Aert, R. C. M., Vanmeenen, A., Klein, M., Taphoorn, M. J. B., Gehring, K., Lambrecht, M., & Sleurs, C. (2023). Cognitive outcomes after multimodal treatment in adult glioma patients: A meta-analysis. *Neuro-Oncology*, 25(8), 1395–1414. <https://doi.org/10.1093/neuonc/noad045>
- Isager, P. M., van Aert, R. C. M., Bahník, Š., Brandt, M. J., DeSoto, K. A., Giner-Sorolla, R., Krueger, J. I., Perugini, M., Ropovik, I., Van 't Veer, A. E., Vranka, M., & Lakens, D. (2023). Deciding what to replicate: A decision model for replication study selection under resource and knowledge constraints. *Psychological Methods*, 28(2), 438–451. <https://doi.org/10.1037/met0000438>
- van Assen, M. A. L. M., van den Akker, O. R., Augusteijn, H. E. M., Bakker, M., Nuijten, M. B., Olsson-Collentine, A., Stoevenbelt, A. H., Wicherts, J. M., & van Aert, R. C. M. (2023). The meta-plot: A graphical tool for interpreting the results of a meta-analysis. *Zeitschrift für Psychologie*, 231(1), 65–78. <https://doi.org/10.1027/2151-2604/a000513>
- Hoogeveen, S., Sarafoglou, A., Aczel, B., Aditya, Y., Alayan, A. J., Allen, P. J., Altay, S., Alzahawi, S., Amir, Y., Anthony, F.-V., Kwame Appiah, O., Atkinson, Q. D., Baimel, A., Balkaya-Ince, M., Balsamo, M., Banker, S., Bartoš, F., Becerra, M., Beffara, B., ... Wagenmakers, E.-J. (2023). A many-analysts approach to the relation between religiosity and well-being. *Religion, Brain & Behavior*, 13(3), 237–283. <https://doi.org/10.1080/2153599X.2022.2070255>
- van Assen, M. A., Stoevenbelt, A. H., & van Aert, R. C. (2023). The end justifies all means: Questionable conversion of different effect sizes to a common effect size measure. *Religion, Brain & Behavior*, 13(3), 345–347. <https://doi.org/10.1080/2153599X.2022.2070249>
- van Aert, R. C. M., & Niemeyer, H. (2022). Publication bias. In S. O. Lilienfeld, W. O'Donohue, & A. Masuda (Eds.), *Questionable research practices in clinical psychology*. Springer.
- van Aert, R. C. M., & Mulder, J. (2022). Bayesian hypothesis testing and estimation under the marginalized random-effects meta-analysis model. *Psychonomic Bulletin & Review*, 29(1), 55–69. <https://doi.org/10.3758/s13423-021-01918-9>

- van Aert, R. C. M. (2022). Analyzing data of a multilab replication project with individual participant data meta-analysis. *Zeitschrift für Psychologie*, 230(1), 60–72. <https://doi.org/10.1027/2151-2604/a000483>
- van Aert, R. C. M., Schmid, C. H., Svensson, D., & Jackson, D. (2021). Study specific prediction intervals for random-effects meta-analysis: A tutorial. *Research Synthesis Methods*, 12(4), 429–447. <https://doi.org/10.1002/jrsm.1490>
- Brohmer, H., Eckerstorfer, L. V., van Aert, R. C. M., & Corcoran, K. (2021). Do behavioral observations make people catch the goal? A meta-analysis on goal contagion. *International Review of Social Psychology*, 34(1), 3. <https://doi.org/10.5334/irsp.428>
- Ross, R. R., van Aert, R. C. M., van den Akker, O. R., & van Elk, M. (2021). The role of meta-analysis and preregistration in assessing the evidence for cleansing effects. *Behavioral and Brain Sciences*, 44(e19). <https://doi.org/10.1017/S0140525X20000606>
- Mulder, J., Williams, D. R., Gu, X., Tomarken, A., Böing-Messing, F., Olsson-Collentine, A., Meijerink-Bosman, M., Menke, J., van Aert, R. C. M., Fox, J.-P., Hoijsink, H., Rosseel, Y., Wagenmakers, E.-J., & van Lissa, C. (2021). BFpack: Flexible Bayes factor testing of scientific theories in R. *Journal of Statistical Software*, 100(18), 1–63. <https://doi.org/10.18637/jss.v100.i18>
- Schweinsberg, M., Feldman, M., Staub, N., van den Akker, O. R., van Aert, R. C. M., van Assen, M. A. L. M., Liu, Y., Althoff, T., Heer, J., Kale, A., Mohamed, Z., Amireh, H., Venkatesh Prasad, V., Bernstein, A., Robinson, E., Snellman, K., Amy Sommer, S., Other, S. M. G., Robinson, D., ... Uhlmann, E. L. (2021). Same data, different conclusions: Radical dispersion in empirical results when independent analysts operationalize and test the same hypothesis. *Organizational Behavior and Human Decision Processes*, 165, 228–249. <https://doi.org/10.1016/j.obhdp.2021.02.003>
- Niemeyer, H., van Aert, R. C. M., Schmid, S., Uelsmann, D., Knaevelsrud, C., & Schulte-Herbrüggen, O. (2020). Publication bias in meta-analyses of posttraumatic stress disorder interventions. *Meta-Psychology*, 4. <https://doi.org/10.15626/MP.2018.884>
- van der Meulen, E., van der Velden, P. G., van Aert, R. C. M., & van Veldhoven, M. J. P. M. (2020). Longitudinal associations of psychological resilience with mental health and functioning among military personnel: A meta-analysis of prospective studies. *Social Science & Medicine*, 255, 112814. <https://doi.org/10.1016/j.socscimed.2020.112814>
- Havránek, T., Stanley, T. D., Doucouliagos, H., Bom, P., Geyer-Klingenberg, J., Iwasaki, I., Reed, W. R., Rost, K., & van Aert, R. C. M. (2020). Reporting guidelines for meta-analysis in economics. *Journal of Economic Surveys*. <https://doi.org/10.1111/joes.12363>
- van Aert, R. C. M., Wicherts, J. M., & van Assen, M. A. L. M. (2019). Publication bias examined in meta-analyses from psychology and medicine: A meta-meta-analysis. *PLOS ONE*, 14(4). <https://doi.org/10.1371/journal.pone.0215052>
- van Aert, R. C. M., van Assen, M. A. L. M., & Viechtbauer, W. (2019). Statistical properties of methods based on the Q-statistic for constructing a confidence interval for the between-study variance in meta-analysis. *Research Synthesis Methods*, 10(2), 225–239. <https://doi.org/10.1002/jrsm.1336>
- van Aert, R. C. M., & Jackson, D. (2019). A new justification of the Hartung-Knapp method for random-effects meta-analysis based on weighted least squares regression. *Research Synthesis Methods*, 10(4), 515–527. <https://doi.org/10.1002/jrsm.1356>
- Augusteijn, H. E. M., van Aert, R. C. M., & van Assen, M. A. L. M. (2019). The effect of publication bias on the Q test and assessment of heterogeneity. *Psychological Methods*, 24(1), 116–134. <https://doi.org/10.1037/met0000197>

- van Aert, R. C. M., & Jackson, D. (2018). Multistep estimators of the between-study variance: The relationship with the Paule-Mandel estimator. *Statistics in Medicine*, 37(17), 2616–2629. <https://doi.org/10.1002/sim.7665>
- van Aert, R. C. M., & van Assen, M. A. L. M. (2018). Examining reproducibility in psychology: A hybrid method for combining a statistically significant original study and a replication. *Behavior Research Methods*, 50(4), 1515–1539. <https://doi.org/10.3758/s13428-017-0967-6>
- Klein, R. A., Vianello, M., Hasselman, F., Adams, B. G., Adams, R. B., Alper, S., Aveyard, M., Axt, J. R., Babalola, M. T., Bahník, S., Batra, R., Berkics, M., Bernstein, M. J., Berry, D. R., Bialobrzeska, O., Binan, E. D., Bocian, K., Brandt, M. J., Busching, R., ... Nosek, B. A. (2018). Many Labs 2: Investigating variation in replicability across samples and settings. *Advances in Methods and Practices in Psychological Science*, 1(4), 443–490. <https://doi.org/10.1177/2515245918810225>
- van Aert, R. C. M., & van Assen, M. A. L. M. (2017). Bayesian evaluation of effect size after replicating an original study. *PLOS ONE*, 12(4), e0175302. <https://doi.org/10.1371/journal.pone.0175302>
- Wicherts, J. M., Veldkamp, C. L. S., Augusteijn, H. E. M., Bakker, M., van Aert, R. C. M., & van Assen, M. A. L. M. (2016). Degrees of freedom in planning, running, analyzing, and reporting psychological studies: A checklist to avoid p-hacking. *Frontiers in Psychology*, 7(1832). <https://doi.org/10.3389/fpsyg.2016.01832>
- van Aert, R. C. M., Wicherts, J. M., & van Assen, M. A. L. M. (2016). Conducting meta-analyses on p-values: Reservations and recommendations for applying p-uniform and p-curve. *Perspectives on Psychological Science*, 11(5), 713–729. <https://doi.org/10.1177/1745691616650874>
- Anderson, C. J., Bahník, Š., Barnett-Cowan, M., Bosco, F. A., Chandler, J., Chartier, C. R., Cheung, F., Christopherson, C. D., Cordes, A., Cremata, E. J., Della Penna, N., Estel, V., Fedor, A., Fitneva, S. A., Frank, M. C., Grange, J. A., Hartshorne, J. K., Hasselman, F., Henninger, F., ... Zuni, K. (2016). Response to comment on “Estimating the reproducibility of psychological science”. *Science*, 351(6277), 1037–1037. <https://doi.org/10.1126/science.aad9163>
- Hartgerink, C. H., van Aert, R. C. M., Nuijten, M. B., Wicherts, J. M., & van Assen, M. A. L. M. (2016). Distributions of p -values smaller than .05 in psychology: What is going on? *PeerJ*, 4, e1935. <https://doi.org/10.7717/peerj.1935>
- van Assen, M. A. L. M., van Aert, R. C. M., & Wicherts, J. M. (2015). Meta-analysis using effect size distributions of only statistically significant studies. *Psychological Methods*, 20(3), 293–309. <https://doi.org/10.1037/met0000025>
- Open Science Collaboration. (2015). Estimating the reproducibility of psychological science. *Science*, 349(6251). <https://doi.org/10.1126/science.aac4716>
- van der Ark, L. A., & van Aert, R. C. M. (2015). Comparing confidence intervals for Goodman and Kruskal’s gamma coefficient. *Journal of Statistical Computation and Simulation*, 85(12), 2491–2505. <https://doi.org/10.1080/00949655.2014.932791>
- Nuijten, M. B., van Assen, M. A. L. M., van Aert, R. C. M., & Wicherts, J. M. (2014). Standard analyses fail to show that US studies overestimate effect sizes in softer research. *Proc Natl Acad Sci USA*, 111(7), 712–3. <https://doi.org/www.pnas.org/cgi/doi/10.1073/pnas.1322149111>
- van Assen, M. A. L. M., van Aert, R. C. M., Nuijten, M. B., & Wicherts, J. M. (2014). Why publishing everything is more effective than selective publishing of statistically significant results. *PLOS ONE*, 9(1), e84896. <https://doi.org/10.1371/journal.pone.0084896>

SOFTWARE

R package puniform

R package for applying meta-analysis methods to correct for publication bias. The puniform package is available on [CRAN](#) and a development version of the package is on [GitHub](#).

Web applications

Web applications for applying the meta-analysis methods that I have developed. These applications were developed for researchers who are not familiar with programming in R: [p-uniform](#), [hybrid method](#), [snapshot method](#), [p-uniform*](#), and [meta-plot](#)

POPULAR PRESS

2025	August 28. <i>De Telegraaf</i> , author: M. Schrijver. Burgemeester en demograaf clashen over cijfers rondom asielzoekers
2019	May 20. <i>Retraction Watch</i> , author: B. Mazer. Just how common is positive publication bias? Here's one researcher who's trying to figure that out
2018	September 6. <i>Psychonomic Society Featured Content</i> , author: Prof. Dr. S. Lewandowsky. From replication to reproducible knowledge: A hybrid method to combine evidence across studies September 18. <i>Science News</i> , author: J. de Vrieze. Meta-analyses were supposed to end scientific debates. Often, they only cause more controversy September 21. <i>Science News</i> , author: E. Stokstad. The truth squad
2016	November. <i>De Osteopaat Magazine</i> , Vol. 17, No. 2, author: P. Bakker. Osteopathie na darmoperatie: Doen of niet?
2015	August 27. <i>Washington Post</i> , author: J. Achenbach. Many scientific studies can't be replicated. Coverage on Reproducibility Project: Psychology August 27. <i>New York Times</i> , author: B. Carey. Many psychology findings not as strong as claimed, study says. Coverage on Reproducibility Project: Psychology August 27. <i>Nature</i> , author: M. Baker. Over half psychology studies fail reproducibility test. Coverage on Reproducibility Project: Psychology
2014	January 22. <i>De Volkskrant</i> , author: M. van Calmthout. Publication bias. Geen effect is ook best. Coverage on the paper "Why publishing everything..."

REVIEWING EXPERIENCE

2024 - Present	Associate Editor of Neuropsychology Review
2025 - Present	Associate Editor of Research Synthesis Methods

Other reviewing experience:

Reviewer for the Ethics Review Board of Tilburg University (2017 - 2019), Reviewer of grant applications of the Netherlands Organisation for Health Research and Development (ZonMw, 2019),

PLOS ONE, Methodology, Psychonomic Bulletin & Review, Behavior Research Methods, Bioinformatics, PLoS Biology, Emotion, Meta-Psychology, Research Synthesis Methods, Studies in Educational Evaluation, Basic and Applied Social Psychology, Zeitschrift für Psychologie, Journal of the Royal Statistical Society: Series A, Psychological Methods, Language Learning, BMC Genomics, Statistical Methods in Medical Research, F1000Research, Royal Society Open Science, British Journal of Mathematical and Statistical Psychology, International Journal of Epidemiology, Perspectives on Psychological Science, Educational Research Review, BMJ Open, Multivariate Behavioral Research, Biostatistics, British Journal of Psychology, Journal of Personality and Social Psychology: Attitudes and Social Cognition, Philosophical Psychology, Nature Human Behavior, Nature Medicine, PeerJ, Neuroscience and Biobehavioral Reviews, Advances in Methods and Practices in Psychological Science, Statistica Neerlandica, Journal of Economic Surveys, Swiss National Science Foundation (SNSF), Science Advances, BMJ Medicine, Review of Educational Research, BMC Medical Research Methodology

ACADEMIC MEMBERSHIPS

Aug 2017 - Present	BITSS Catalyst Educating economists, psychologists, and other social scientists on transparency tools and practices. This catalyst program is initiated by the Berkeley Initiative for Transparency in the Social Sciences (BITSS).
Oct 2018 - Present	Staff member of IOPS Staff member of the Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS).
Dec 2023 - Present	Member of SRSM Member of the Society for Research Synthesis Methodology (SRSM).

PRESENTATIONS

<u>Oral presentations:</u>	
2025	Invited presentation at the 11 th European Congress of Methodology, Tenerife, Spain. Title: <i>Dealing with publication bias in a meta-analysis</i> 11 th European Congress of Methodology, Tenerife, Spain. Title: <i>Correcting for publication bias in multivariate and multilevel meta-analysis: A multivariate step function selection model approach</i>
2024	MAER-Net (Meta-Analysis of Economics Research Network) Colloquium, Augsburg, Germany. Title: <i>Meta-analyzing non-preregistered and preregistered studies</i> Annual Meeting of the Society for Research Synthesis Methodology, Amsterdam, the Netherlands. Title: <i>Meta-analyzing non-preregistered and preregistered studies</i> Invited workshop at the Paul Meehl Graduate School, Eindhoven University of Technology, the Netherlands. Title: <i>Correcting for publication bias in a meta-analysis</i>
2023	Invited workshop, Zurich, Switzerland. Title: <i>Meta-analysis workshop</i> 5 th International Convention of Psychological Science, Brussels, Belgium. Title: <i>Meta-analyzing multi-lab replication projects using individual participant data meta-analysis</i>

	<p>Evidence Synthesis and Meta-Analysis in R Conference (ESMARConf). Invited member of a panel discussing "Controlling for publication bias: Challenges & future directions"</p> <p>Invited presentation at the Evidence Synthesis and Meta-Analysis in R Conference (ESMARConf). Title: <i>Tutorial R package puniform</i></p>
2022	Invited workshop, Zurich, Switzerland. Title: <i>Meta-analysis workshop</i>
2021	<p>9th European Congress of Methodology, Valencia, Spain. Title: <i>Correcting for outcome reporting bias in a meta-analysis: A meta-regression approach</i></p> <p>Metascience 2021 Conference, Online. Title: <i>Comparing the prevalence of statistical reporting inconsistencies in COVID-19 preprints and matched controls: A Registered Report</i></p> <p>Presentation at the workshop "Exploring the limits of advanced meta-analysis", Technical University Dortmund, Germany (online). Title: <i>Bayesian hypothesis testing and estimation under the marginalized random-effects meta-analysis model</i></p> <p>Invited presentation at the Webinar Series on COVID-19 organized by the School of Social and Behavioral Sciences of Tilburg University, the Netherlands. Title: <i>Comparing the prevalence of statistical reporting inconsistencies in COVID-19 preprints and matched controls: A Registered Report</i></p> <p>9th Annual Meeting of Berkeley Initiative for Transparency in the Social Science. Title: <i>Analyzing data of a multi-lab replication project with individual participant data meta-analysis: A tutorial</i></p>
2020	<p>Invited presentation at the department of Psychometrics and Statistics, University of Groningen, the Netherlands. Title: <i>Correcting for publication bias in a meta-analysis with p-uniform*</i></p> <p>Invited presentation at Sociaal en Cultureel Planbureau (SCP), the Netherlands. Title: <i>Meta-analyse: Beperkingen en potentieel</i></p> <p>Invited presentation at the symposium on "Uncertainty" organized by Studium Generale, Tilburg University, the Netherlands. Title: <i>Uncertainty in research and its consequences</i></p>
2019	<p>Invited presentation at the 29th IOPS Winter Conference, Leiden University, the Netherlands. Title: <i>Meta-analyzing an original study and replication</i></p> <p>MAER-Net (Meta-Analysis of Economics Research Network) Colloquium, Greenwich, UK. Title: <i>P-uniform*: A new meta-analytic method to correct for publication bias</i> (Plenary session)</p> <p>Web lecture at Princeton University on experimental methods and statistics, Princeton, USA. Title: <i>Questionable research practices and publication bias</i></p> <p>Workshop at the 3rd Annual Meeting of the Society for the Improvement of Psychological Science (SIPS), Rotterdam, the Netherlands. Title: <i>Dealing with publication bias in a meta-analysis</i></p>

	<p>Invited presentation at the Annual Meeting of the Netherlands Society for Statistics and Operations Research (VVSOR), Utrecht, the Netherlands. Title: <i>Meta-analysis: Shortcomings and potential</i></p> <p>3rd International Convention of Psychological Science, Paris, France. Title: <i>P-uniform*: A new meta-analytic method to correct for publication bias</i></p>
2018	<p>Invited presentation at the department of Psychological Methods, University of Amsterdam, the Netherlands. Title: <i>Correcting for publication bias in meta-analysis</i></p> <p>83rd Annual Meeting of the Psychometric Society, New York, USA. Title: <i>Correcting for publication bias in a meta-analysis with p-uniform*</i></p> <p>Invited workshop at the Research Transparency and Reproducibility Training (RT2) organized by the Berkeley Initiative for Transparency in the Social Sciences (BITSS), Amsterdam, the Netherlands. Title: <i>Meta-analysis and publication bias</i></p>
2017	<p>82nd Annual Meeting of the Psychometric Society, Zurich, Switzerland. Title: <i>Estimating replicability of science by taking statistical significance into account</i></p> <p>Invited workshop at the Research Transparency and Reproducibility Training (RT2) organized by the Berkeley Initiative for Transparency in the Social Sciences (BITSS), London, United Kingdom. Title: <i>Meta-analysis and publication bias</i></p> <p>Presentation at the workshop "Perspectives on Scientific Error", Tilburg University, the Netherlands. Title: <i>Estimating replicability of science by taking statistical significance into account</i></p> <p>32th IOPS Summer Conference, KU Leuven, Belgium. Title: <i>Estimating replicability of science by taking statistical significance into account</i></p> <p>Invited workshop at the 9th Interuniversitair Centrum voor Onderwijswetenschappen (ICO), Utrecht University, the Netherlands. Title: <i>The consequences of publication bias and questionable research practices</i></p> <p>Presentation at the MRC Biostatistics Unit, University of Cambridge, United Kingdom. Title: <i>Correcting for publication bias in meta-analysis</i></p>
2016	<p>Invited presentation at the Department of Psychology and Pedagogy, Erasmus University, the Netherlands. Title: <i>Estimating the replicability of science: Accounting for statistical significance of the original study</i></p> <p>5th Annual Meeting of Berkeley Initiative for Transparency in the Social Science, Berkeley, USA. Title: <i>Getting it right with meta-analysis: Correcting effect size for publication bias in meta-analyses from psychology and medicine</i></p> <p>MAER-Net (Meta-Analysis of Economics Research Network) 2016 Colloquium, Conway, USA. Title: <i>Conducting meta-analyses based on p-values: Reservations and recommendations for applying p-uniform and p-curve</i> (Plenary session)</p>

	28 th Annual Convention of the Association for Psychological Science, Chicago, USA. Title: <i>Conducting meta-analyses based on p-values: Reservations and recommendations for applying p-uniform and p-curve</i> (Chair and presenter)
2015	<p>4th Annual Meeting of Berkeley Initiative for Transparency in the Social Science, Berkeley, USA. Invited member of a panel of SSMART grant recipients discussing transparency in research</p> <p>Presentation at the Department of Methodology and Statistics, Tilburg University, the Netherlands. Title: <i>Estimating effect size using original study and replication: A hybrid method</i></p> <p>27th Annual Convention of the Association for Psychological Science, New York, USA. Title: <i>Performance of meta-analysis methods in case of questionable research practices and publication bias</i></p> <p>1th International Convention of Psychological Science, Amsterdam, the Netherlands. Title: <i>Harmful effects of questionable research practices and publication bias on the results of meta-analysis</i></p>
2014	<p>6th European Congress of Methodology, Utrecht, the Netherlands. Title: <i>Unbiased effect estimation in the presence of publication bias: A new method for meta-analysis and assessing publication bias</i></p> <p>26th Annual Convention of the Association for Psychological Science, San Francisco, USA. Title: <i>Evaluation of replication</i></p> <p>Presentation at the Department of Methodology and Statistics, Tilburg University, the Netherlands. Title: <i>Unbiased effect estimation in the presence of publication bias: A new method for meta-analysis and assessing publication bias</i></p>
<u>Poster presentations:</u>	
2014	<p>Invited poster presentation at the seminar "Improving Scientific Practice: Dealing with the Human Factors", Amsterdam, the Netherlands. Title: <i>Unbiased effect estimation in the presence of publication bias</i></p> <p>24th IOPS Winter Conference, Amsterdam, the Netherlands. Title: <i>Unbiased effect estimation in the presence of publication bias</i></p>

OTHER ACTIVITIES

Feb 2016 - Present	<p>Sports Ambassador Tilburg University</p> <p>Motivating colleagues to take part in sports activities organized for employees of Tilburg University by the Sports Center</p>
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ACQUIRED SKILLS

Applications: Microsoft Office, SPSS Amos, G*Power, Latent GOLD, LaTeX, and Git

Programming: IBM SPSS Statistics, R CRAN/RStudio, C++, WinBugs, and Jags

Languages: Dutch (mother tongue) and English (fluent in speaking and writing)

Updated on October 31, 2025