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, P.O. Box 90153, 5000 LE Tilburg, the Netherlands
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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: *Meta-analysis in the presence of publication bias and researcher degrees of freedom* 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: *Meta-analysis: Shortcomings and potential*. 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: *Examining publication bias in meta-analysis: Comparison of existing techniques with the new p-uniform method.*
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: *Moderator analysis in meta-analysis*
Sep 2023 - Present	**Tsz Keung Wong**
	Project title: *Modelling multiverses and correcting for p-hacking*
Sep 2024 - Present	**Anouk Bouma**
	Project title: *How trustworthy are simulation studies? A meta-research perspective*
Sep 2024 - Present	**Ben Kretzler**
	Project title: *Examining variation in causal effects in psychology*

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 Veleva (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: *Empowering meta-analysis by taking advantage of preregistered and replication studies.*
Jun 2020	**Herbert Simon Research Institute Grant:** €10,000 Grant from the Herbert Simon Research Institute of Tilburg University. Project title: *Employing meta-research to enrich COVID-19 preprints and study the impact of time pressure on research quality.* 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: *Getting it Right with Meta-Analysis: Correcting Effect Size for Publication Bias in Meta-Analyses from Psychology and Medicine*
Sep 2013	**Research Talent Grant:** €168,363 Grant from the Netherlands Organisation for Scientific Research (NWO) Project title: *Meta-Analysis in the Presence of Publication Bias and Researcher Degrees of Freedom*

PUBLICATIONS

Submitted:

van Aert, R. C. M., & van Assen, M. A. L. M. (2025). Correcting for publication bias in a meta-analysis with the p-uniform* method. Manuscript submitted for publication. https://doi.org/10.31222/osf.io/zqjr9

Mulder, J., & van Aert, R. C. M. (2025). Bayesian evidence synthesis: (Safely and efficiently) combining statistical evidence from multiple studies. Manuscript submitted for publication. https://doi.org/https://osf.io/preprints/psyarxiv/6c3kj

Published:

van Aert, R. C. M. (2024). Meta-analyzing non-preregistered and preregistered studies. *Psychological Methods*. https://doi.org/10.31222/osf.io/2bj85

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

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

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

Xue, X., Reed, W. R., & van Aert, R. C. M. (2024). Social capital and economic growth: A meta-analysis. *Journal of Economic Surveys*, joes.12660. https://doi.org/10.1111/joes.12660

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., & Luis Uhlmann, E. (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

Olsson-Collentine, A., van Aert, R. C. M., Bakker, M., & Wicherts, J. (2023). Meta-analyzing the multiverse: A peek under the hood of selective reporting. *Psychological Methods*. https://doi.org/10.1037/met0000559

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 Assen, M. A., Stoevenbelt, A. H., & van Aert, R. C. (2022). The end justifies all means: Questionable conversion of different effect sizes to a common effect size measure. *Religion, Brain & Behavior*, *0*(0), 1–3. https://doi.org/10.1080/2153599X.2022.2070249

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., Hoijtink, 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.,
Otner, 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-Herbrueggen, 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-Klingeberg, 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

2019	May 20. *Retraction Watch*, author: B. Mazer. Just how common is positive publication bias? Here's one researcher who's trying to figure that out
2018	September 6. *Psychonomic Society Featured Content*, author: Prof. Dr. S. Lewandowsky. From replication to reproducible knowledge: A hybrid method to combine evidence across studies

	September 18. *Science News*, author: J. de Vrieze. Meta-analyses were supposed to end scientific debates. Often, they only cause more controversy
	September 21. *Science News*, author: E. Stokstad. The truth squad
2016	November. *De Osteopaat Magazine*, Vol. 17, No. 2, author: P. Bakker. Osteopathie na darmoperatie: Doen of niet?
2015	August 27. *Washington Post*, author: J. Achenbach. Many scientific studies can't be replicated. Coverage on Reproducibility Project: Psychology
	August 27. *New York Times*, author: B. Carey. Many psychology findings not as strong as claimed, study says. Coverage on Reproducibility Project: Psychology
	August 27. *Nature*, author: M. Baker. Over half psychology studies fail reproducibility test. Coverage on Reproducibility Project: Psychology
2014	January 22. *De Volkskrant*, author: M. van Calmthout. Publication bias. Geen effect is ook best. Coverage on the paper "Why publishing everything..."

REVIEWING EXPERIENCE

Associate editor of Neuropsychology Review, Reviewer for the Ethics Review Board of Tilburg University (2017 - 2019), Reviewer for 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, Philosopical 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

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>

2024	MAER-Net (Meta-Analysis of Economics Research Network) Colloquium, Augsburg, Germany. Title: *Meta-analyzing non-preregistered and preregistered studies*
	Annual Meeting of the Society for Research Synthesis Methodology, Amsterdam, the Netherlands. Title: *Meta-analyzing non-preregistered and preregistered studies*
	Invited workshop at the Paul Meehl Graduate School, Eindhoven University of Technology, the Netherlands. Title: *Correcting for publication bias in a meta-analysis*
2023	Invited workshop, Zurich, Switzerland. Title: *Meta-analysis workshop*
	5th International Convention of Psychological Science, Brussels, Belgium. Title: *Meta-analyzing multi-lab replication projects using individual participant data meta-analysis*
	Evidence Synthesis and Meta-Analysis in R Conference (ESMARConf). Invited member of a panel discussing "Controlling for publication bias: Challenges & future directions"
	Invited presentation at the Evidence Synthesis and Meta-Analysis in R Conference (ESMARConf). Title: *Tutorial R package puniform*
2022	Invited workshop, Zurich, Switzerland. Title: *Meta-analysis workshop*
2021	9th European Congress of Methodology, Valencia, Spain. Title: *Correcting for outcome reporting bias in a meta-analysis: A meta-regression approach*
	Metascience 2021 Conference, Online. Title: *Comparing the prevalence of statistical reporting inconsistencies in COVID-19 preprints and matched controls: A Registered Report*
	Presentation at the workshop "Exploring the limits of advanced meta-analysis", Technical University Dortmund, Germany (online). Title: *Bayesian hypothesis testing and estimation under the marginalized random-effects meta-analysis model*
	Invited presentation at the Webinar Series on COVID-19 organized by the School of Social and Behavioral Sciences of Tilburg University, the Netherlands. Title: *Comparing the prevalence of statistical reporting inconsistencies in COVID-19 preprints and matched controls: A Registered Report*
	9th Annual Meeting of Berkeley Initiative for Transparency in the Social Science. Title: *Analyzing data of a multi-lab replication project with individual participant data meta-analysis: A tutorial*
2020	Invited presentation at the department of Psychometrics and Statistics, University of Groningen, the Netherlands. Title: *Correcting for publication bias in a meta-analysis with p-uniform**

	Invited presentation at Sociaal en Cultureel Planbureau (SCP), the Netherlands. Title: *Meta-analyse: Beperkingen en potentieel*
	Invited presentation at the symposium on "Uncertainty" organized by Studium Generale, Tilburg University, the Netherlands. Title: *Uncertainty in research and its consequences*
2019	Invited presentation at the 29th IOPS Winter Conference, Leiden University, the Netherlands. Title: *Meta-analyzing an original study and replication*
	MAER-Net (Meta-Analysis of Economics Research Network) Colloquium, Greenwich, UK. Title: *P-uniform*: A new meta-analytic method to correct for publication bias* (Plenary session)
	Web lecture at Princeton University on experimental methods and statistics, Princeton, USA. Title: *Questionable research practices and publication bias*
	Workshop at the 3rd Annual Meeting of the Society for the Improvement of Psychological Science (SIPS), Rotterdam, the Netherlands. Title: *Dealing with publication bias in a meta-analysis*
	Invited presentation at the Annual Meeting of the Netherlands Society for Statistics and Operations Research (VVSOR), Utrecht, the Netherlands. Title: *Meta-analysis: Shortcomings and potential*
	3rd International Convention of Psychological Science, Paris, France. Title: *P-uniform*: A new meta-analytic method to correct for publication bias*
2018	Invited presentation at the department of Psychological Methods, University of Amsterdam, the Netherlands. Title: *Correcting for publication bias in meta-analysis*
	83rd Annual Meeting of the Psychometric Society, New York, USA. Title: *Correcting for publication bias in a meta-analysis with p-uniform**
	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: *Meta-analysis and publication bias*
2017	82nd Annual Meeting of the Psychometric Society, Zurich, Switzerland. Title: *Estimating replicability of science by taking statistical significance into account*
	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: *Meta-analysis and publication bias*
	Presentation at the workshop "Perspectives on Scientific Error", Tilburg University, the Netherlands. Title: *Estimating replicability of science by taking statistical significance into account*

	32th IOPS Summer Conference, KU Leuven, Belgium. Title: *Estimating replicability of science by taking statistical significance into account*
	Invited workshop at the 9th Interuniversitair Centrum voor Onderwijswetenschappen (ICO), Utrecht University, the Netherlands. Title: *The consequences of publication bias and questionable research practices*
	Presentation at the MRC Biostatistics Unit, University of Cambridge, United Kingdom. Title: *Correcting for publication bias in meta-analysis*
2016	Invited presentation at the Department of Psychology and Pedagogy, Erasmus University, the Netherlands. Title: *Estimating the replicability of science: Accounting for statistical significance of the original study*
	5th Annual Meeting of Berkeley Initiative for Transparency in the Social Science, Berkeley, USA. Title: *Getting it right with meta-analysis: Correcting effect size for publication bias in meta-analyses from psychology and medicine*
	MAER-Net (Meta-Analysis of Economics Research Network) 2016 Colloquium, Conway, USA. Title: *Conducting meta-analyses based on p-values: Reservations and recommendations for applying p-uniform and p-curve* (Plenary session)
	28th Annual Convention of the Association for Psychological Science, Chicago, USA. Title: *Conducting meta-analyses based on p-values: Reservations and recommendations for applying p-uniform and p-curve* (Chair and presenter)
2015	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
	Presentation at the Department of Methodology and Statistics, Tilburg University, the Netherlands. Title: *Estimating effect size using original study and replication: A hybrid method*
	27th Annual Convention of the Association for Psychological Science, New York, USA. Title: *Performance of meta-analysis methods in case of questionable research practices and publication bias*
	1th International Convention of Psychological Science, Amsterdam, the Netherlands. Title: *Harmful effects of questionable research practices and publication bias on the results of meta-analysis*
2014	6th European Congress of Methodology, Utrecht, the Netherlands. Title: *Unbiased effect estimation in the presence of publication bias: A new method for meta-analysis and assessing publication bias*
	26th Annual Convention of the Association for Psychological Science, San Francisco, USA. Title: *Evaluation of replication*
	Presentation at the Department of Methodology and Statistics, Tilburg University, the Netherlands. Title: *Unbiased effect estimation in the presence of publication bias: A new method for meta-analysis and assessing publication bias*

Poster presentations:

2014	Invited poster presentation at the seminar "Improving Scientific Practice: Dealing with the Human Factors", Amsterdam, the Netherlands. Title: *Unbiased effect estimation in the presence of publication bias*
	24th IOPS Winter Conference, Amsterdam, the Netherlands. Title: *Unbiased effect estimation in the presence of publication bias*

OTHER ACTIVITIES

Feb 2016 - Present	**Sports Ambassador Tilburg University** Motivating colleagues to take part in sports activities organized for employees of Tilburg University by the Sports Center

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 December 26, 2024