

Michèle B. Nuijten, PhD

Tilburg University, Department of Methodology and Statistics

P.O. Box 90153, 5000 LE, Tilburg, The Netherlands

m.b.nuijten@uvt.nl

<http://mbnuijten.com>

Research

Academic appointments

2018 – present	Assistant Professor, Tilburg University Assistant Professor (tenured since June 2021) at the department of Methodology and Statistics, Tilburg University
2012 – 2017	PhD Candidate, Tilburg University PhD candidate at the department of Methodology and Statistics, Tilburg University. Project title: <i>Research on Research: A Meta-Scientific Study of Problems and Solutions in Psychological Science</i> .
2012	Research Assistant, University of Amsterdam Assisting prof. dr. Denny Borsboom in designing and monitoring an automatized tracking system that analyzes and reports longitudinal patient data.

Research Visits

April 2019	Research Visit to Melbourne University Consulting researcher for the DARPA SCORE grant of prof. dr. Fiona Fidler on estimating replicability of published papers.
April – May 2017	Research Visit to METRICS at Stanford University A three week visit to the Meta-Research Innovation Center at Stanford (METRICS), California, USA. Together with prof. dr. John P. A. Ioannidis, dr. Daniele Fanelli, and their colleagues I worked on several research projects concerning metascience.

Education

2012 – 2017	PhD Methodology and Statistics, Tilburg University Project title: <i>Research on Research: A Meta-Scientific Study of Problems and Solutions in Psychological Science</i> . Supervisors: prof. dr. Jelte M. Wicherts and prof. dr. Marcel A. L. M. van Assen. Defense date: May 30, 2018. The full thesis is published online at https://psyarxiv.com/qt7e . Awarded the Tilburg University Dissertation Prize
2011 – 2012	MSc Psychology (<i>cum laude</i>), University of Amsterdam Specialization: Psychological Research Methods. Thesis: <i>A Default Bayesian Hypothesis Test for Mediation</i> , supervisor: prof. dr. Eric-Jan Wagenmakers
2008 – 2011	BSc Psychology (<i>cum laude</i>), University of Amsterdam Specialization: Psychological Research Methods. Thesis: <i>The Use of the Sobel Test in Mediation Analysis</i> , supervisor: dr. Jelte M. Wicherts.

Additional Training

Feb 2021	Masterclass Supervising PhD Students A one-day masterclass on supervision of PhD students. Tilburg University.
2014 – 2019	University Teaching Qualification Successfully completed the UTQ training modules Teach, Plan, Test, and Supervise and wrote a portfolio listing and reflecting on my teaching experience. Tilburg University.
2012 – 2017	Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS) 10 ECTS in graduate level courses in statistics and psychometrics, attendance of IOPS conferences, reviewing IOPS proposals, discussant of talks at the IOPS conferences.
2008 – 2011	Honors Program of Psychology 30 ECTS in addition to the regular Bachelor. University of Amsterdam.

Academic Activities and Memberships

2019 – present	Automated Screening Working Group Member of the Automated Screening Working Group that brings together meta researchers and their tools from across different disciplines.
2019 – present	Science Committee Tilburg University Member of the Science Committee at the Tilburg School of Social and Behavioral Sciences. The Science Committee publishes a guideline on Data Handling and Methods Reporting and periodically investigates the quality of data handling and the reporting of research methods by researchers of the School.
2018 – present	Junior Staff Member of IOPS Junior Staff Member of the Interuniversity Graduate School for Psychometrics and Sociometrics (IOPS)
2017 – 2021	Advisory Board of Curate Science Member of the Advisory Board of Curate Science (http://curatescience.org). Curate Science is a unified framework to quantify internal and external trustworthiness of empirical research over time.
2016 – 2019	Program Committee Replication Research NWO Advising NWO (The Netherlands Organization for Scientific Research) on distributing funding for replication research.
2018 – 2019	Program Committee SIPS Member of the program committee for the 2019 meeting of the Society for the Improvement of Psychological Science (SIPS) in Rotterdam, the Netherlands (approx. 250 attendees).
2017 – 2018	Program Committee Chair SIPS Chair of the program committee for the 2018 SIPS meeting in Grand Rapids, Michigan, USA (approx. 250 attendees).
2016 – 2018	Executive Committee SIPS Member of the executive committee of the Society for the Improvement of Psychological Science (SIPS). SIPS is a service organization aiming to make psychological science higher quality and more cumulative.

2014 – 2015	PhD Representative of IOPS Among other things, activities consist of attending IOPS board meetings, selecting reviewers for new IOPS proposals, chairing the IOPS PhD student meeting, and maintain the IOPS website.
2013 – 2014	Assistant PhD Representative IOPS Tasks consisted of attending IOPS board meetings, selecting reviewers for new IOPS proposals, chairing the IOPS PhD student meeting, and build and maintain the IOPS website.
2013 – 2014	Seminar Organizing Committee Member of the organizing committee for the seminar <i>Improving Scientific Practice: Dealing with the Human Factors</i> . Amsterdam.
2011 – 2012	Methodology Shop Consultant The Methodology Shop is a help desk for free methodological and statistical advice. The clients usually are undergraduate students who need help with their research, but there are also clients from outside the university who ask for methodological advice. University of Amsterdam.

Grants & Awards

Total grant/award money obtained: €352,151

Dec 2020	GRANT: Young eScientist Award (€50,000) Project: Implementing natural language processing in <i>statcheck</i> to extend its functionality beyond psychology. Co-application with Dr. Willem Slegers.
Nov 2020	GRANT: NWO Veni Grant (€250,000) Project: "The Four-Step Robustness Check: Assessing and Improving Robustness of Psychological Science"
Oct 2020	AWARD: Open Science Champion Named Open Science Champion by the Open Science Community Tilburg for my work on <i>statcheck</i> and for advocating Open Science throughout all my work.
June 2020	GRANT: Herbert Simon Research Institute Seed Funding for COVID-19 Research (€10,000) Project: "Employing meta-research to enrich COVID-19 preprints and study the impact of time pressure on research quality". Co-application with dr. Robbie van Aert and Prof. Jelte Wicherts.
March 2020	GRANT: Center for Open Science / SCORE project (\$10,500) As part of the SCORE project (Systematizing Confidence in Open Research and Evidence), the Center for Open Science (COS) contracted me to automatically extract statistical reporting errors from a large set of papers.
Dec 2019	AWARD: Best Course Award Award for the best Research Master Course 2018-2019 for my course on programming in R. Tilburg School of Social and Behavioral Sciences.

Jan 2019	GRANT: Invited Position Paper for ZonMw (€4,000 p.p.) A grant of the Dutch funder ZonMw to write a position paper about how funders can play a role in promoting responsible research practices, together with Joeri Tijdink (PI), Serge Horbach, and Gareth O'Neill.
Jan 2019	AWARD: Teacher of the Year Winner of the Tilburg University Teacher of the Year award 2019.
Nov 2018	AWARD: Tilburg University Dissertation Prize (€4,000) Winner of the Tilburg University Dissertation Prize 2018.
Sep 2017	AWARD: Publons' Sentinel Award: Runner-Up <i>statcheck</i> was named runner-up for Publons' Sentinel Award for outstanding advocacy, innovation or contribution to scholarly peer review.
April 2017	GRANT: Campbell Methods Grant (\$20,000) A \$20,000 methods grant (CMG2.02) from the Campbell Collaboration for the project "Verifying the accuracy of statistical significance testing in Campbell Collaboration systematic reviews through the use of the R package <i>statcheck</i> ", together with dr. Joshua R. Polanin.
Nov 2016	AWARD: Leamer-Rosenthal Prize for Open Social Science: Emerging Researcher (\$10,000) A joint cash award of \$10,000 together with Sacha Epskamp from the Berkeley Initiative for Transparency in the Social Sciences (BITSS) for our work on <i>statcheck</i> .
2016 – 2021	GRANT: Rackspace Sponsorship (\$2,000 per Month) Rackspace sponsored me for \$2000 per month in hosting costs for the web app http://statcheck.io .
July 2014	AWARD: Best Presentation by a PhD Student Nuijten, M. B., Van Assen, M. A. L. M., Veldkamp, C. L. S., & Wicherts, J. M. (2014, July). <i>The replication paradox: Combining studies can decrease accuracy of effect size estimates</i> . Paper presented at the 6th European Congress of Methodology, Utrecht, The Netherlands.

Editorial Activities

My Publons Peer Review account can be found at <https://publons.com/author/1340092/michele-b-nuijten#profile>

Editorial Boards

2022 – present	Routledge Open Research Editor Advisory Board member for the Psychology section.
2020 – present	Nature: Scientific Reports Editorial Board member of Nature: Scientific Reports, Registered Reports section.
2018 – present	Collabra: Psychology Editor for the open access journal Collabra: Psychology, the official journal of the Society for the Improvement of Psychological Science (SIPS).
2018 – present	Meta-Psychology Advisory Board member for the free open access journal Meta-Psychology.

2017 – present | **Personality and Social Psychology Bulletin**
Consulting Editor for the Personality and Social Psychology Bulletin.

Reviewing

April 2017 | **SSMART 2017 Review Committee**
Member of the review committee of the Social Science Meta-Analysis and Research Transparency (SSMART) grants (\$60,000 in total), initiated by the Berkeley Initiative for Transparency in the Social Sciences (BITSS).

2013 – present | **Ad Hoc Reviewing**
Advances in Methods and Practices in Psychological Science
Behavior Research Methods
BMJ Open Science
Collabra: Psychology
Educational and Psychological Measurement
European Science Editing
International Journal of Psychology
Journal of Cross-Cultural Psychology
Journal of Experimental Social Psychology
Journal of Mathematical Psychology
Journal of Media Psychology
Journal of Official Statistics
Journal of Open Psychology Data
Meta-Psychology
Nature Communications
Nature Human Behaviour
PeerJ
Personality and Social Psychology Bulletin
Perspectives on Psychological Science
PLoS Biology
PLoS One
PNAS
Psychological Methods
Psychology Learning & Teaching
Quantitative & Computational Methods in the Social Sciences
Review of General Psychology
Royal Society Open Science

Teaching

2016 – present | **Introduction to Research Methodology**
Lecturer and coordinator (from 2018 onwards) for the first year's psychology course "Introduction to Research Methodology" (approx. 750 students). Tilburg University.

2018 – 2020 | **Programming in R**
Lecturer and coordinator for the Research Master's course "Programming in R" (approx. 25 students). Tilburg University.

2018	Professional Skills: Ethical Issues Lecturer for the second year's psychology course "Professional Skills: Ethical Issues" (approx. 25 students). Tilburg University.
2013 – 2016	Correlational Research Methods Supervising tutorials for the second year's psychology course "Correlational Research Methods". Tilburg University.
2012	Social Sciences in Perspective Designing and grading assignments, supervising practical sessions for a first year's interdisciplinary Beta Gamma course on research methods and statistics in R: "Social Sciences in Perspective". University of Amsterdam.
2012	SPSS Psychology Supervising practical sessions, grading assignments for the Bachelor of Psychology course "SPSS Psychology". University of Amsterdam.
2012	Programming Skills: R Supervising practical sessions, grading assignments for the Research Master of Psychology course "Programming Skills: R". University of Amsterdam.

Supervision

PhD Students

2018 – present	Esther Maassen Project title: Structural equation modeling as an antidote to selective outcome reporting.
-------------------	---

Students

2021	Hongwei Zhao Research Master's traineeship: <i>Creating automated reports of statistical inconsistencies in COVID-19 preprints</i> . Co-supervisor: Robbie van Aert. Arian Sarwary Research Master's traineeship: <i>Assessing the robustness of findings in psychological papers by applying the 4-step robustness check</i> .
2020	Erenay Bilgin Bachelor's thesis: <i>Investigating the relation between pre-registrations and p-values</i> . Martijn Schoenmakers Research Master's traineeship: <i>Predicting the number of (gross) inconsistencies between reported and recalculated p-values in papers</i> . Selim Sametoğlu Research Master's traineeship: <i>Calculating interrater reliability in coded data about citation bias</i> . Emre Alagöz Research Master's programming traineeship: <i>Creating a Shiny application to illustrate p-hacking behaviors in psychological research</i> .
2019	Laura Squeri Bachelor's thesis: <i>Authoritative parenting and the child's academic achievement: a meta-analysis</i> .

	Emily Kubin Research Master's programming traineeship: <i>Creating a function to find possible causes for errors found by statcheck.</i>
	Sophie de Munck Research Master's thesis: <i>Registered reports and statistical reporting inconsistencies in psychology.</i>
	Sander Vermeulen Research Master's programming traineeship: <i>Creating a function to find possible causes for errors found by statcheck.</i>
	Ran Wang Research Master's traineeship: <i>Develop a coding protocol to identify key results in psychology papers.</i>
	Edoardo Costantini Research Master's programming traineeship: <i>Implement a new way of converting PDF files to plain text and developed unit tests for the R package statcheck.</i>
2014	Chris Hartgerink Research Master's programming traineeship: <i>Detecting chi-square tests with the R package statcheck and creating inline documentation.</i>
2013	Jeroen Borghuis Research Master's traineeship: <i>Compare statistical reporting inconsistencies in papers with and without data sharing policy.</i>

Publications

Preprints

2022	D'Urso, D. E., Maassen, E., Van Assen, M. A. L. M., Nuijten, M. B. , De Roover, K., & Wicherts, J. M. (2022). The dire disregard of measurement invariance testing in psychological science. <i>PsyArXiv</i> . doi: 10.31234/osf.io/n3f5u
------	--

Publications in Peer Reviewed Journals

2022	Van Assen, M. A. L. M., Van den Akker, O., Augusteijn, H. E. M., Bakker, M., Nuijten, M. B. , Olsson-Collentine, A., ... van Aert, R. C. M. (in press). The meta-plot: A graphical tool for interpreting the results of a meta-analysis. <i>Zeitschrift für Psychologie</i> . Preprint on <i>PsyArXiv</i> https://doi.org/10.31234/osf.io/cwhnq
	Nosek, B. A., Hardwicke, T. E., Moshontz, H., Allard, A., Corker, K. S., Almenberg, A. D., Fidler, F., Hilgard, J., Kline, M., Nuijten, M. B. , Rohrer, J. M., Romero, F., Scheel, A. M., Scherer, L., Schönbrodt, F., & Vazire, S. (2022). Replicability, robustness, and reproducibility in psychological science. <i>Annual Review of Psychology</i> , 73, 719-748. doi: 10.1146/annurev-psych-020821-114157
	Hoogeveen, S., Sarafoglou, A., Aczel, B., ..., Nuijten, M. B. , ... Van Elk, M., & Wagenmakers, E.-J. [253 authors] (2022). A many-analysts approach to the relation between religiosity and well-being. <i>Religion, Brain & Behavior</i> . doi: 10.1080/2153599X.2022.2070255

- 2021 | Hardwicke, T. E., Szucs D., Thibault, R. T., Crüwell, S., van den Akker, O. R., **Nuijten, M. B.**, & Ioannidis, J. P. A. (2021). Citation patterns following a strongly contradictory replication result: Four case studies from psychology. *Advances in Methods and Practices in Psychological Science*, 4, 1-14. doi: 10.1177/25152459211040837
- Tijdink, J., Horbach, S. P. J. M., **Nuijten, M. B.**, & O'Neill, G., (2021). Towards a research agenda for promoting responsible research practices. *Journal of Empirical Research on Human Research Ethics*. doi: 10.1177/15562646211018916
- Hardwicke, T. E., Bohn, M., MacDonald, K., Hembacher, E., **Nuijten, M. B.**, Peloquin, B. N., . . . Frank, M. C. (2021). Analytic reproducibility in articles receiving open data badges at the journal Psychological Science: an observational study. *Royal Society Open Science*, 8, 201494. doi: 10.1098/rsos.201494.
- 2020 | **Nuijten, M. B.**, Van Assen, M. A. L. M., Augusteijn, H. E. M., Cromptvoets, E. A. V., & Wicherts, J. M. (2020). Effect sizes, power, and biases in intelligence research: a meta-meta-analysis. *Journal of Intelligence*, 8(4), 36. doi: 10.3390/jintelligence8040036
- Nuijten, M. B.**, & Polanin, J. R. (2020). "statcheck": Automatically detect statistical reporting inconsistencies to increase reproducibility of meta-analyses. *Research Synthesis Methods*, 11, 574-579. doi: 10.1002/jrsm.1408
- Maassen, E., Van Assen, M. A. L. M., **Nuijten, M. B.**, Olsson-Collentine, A., & Wicherts, J. M. (2020). Reproducibility of individual effect sizes in meta-analyses in psychology. *PLoS One*, 15(5), e0233107. doi: 10.1371/journal.pone.0233107
- 2019 | Stoevenbelt, A. H., **Nuijten, M. B.**, Pauli, B. E., & Wicherts J. M. (2019). Rule out conflicts of interest in psychology awards. *Nature*, 572, 312. doi: 10.1038/d41586-019-02429-3
- 2018 | Polanin, J. R., & **Nuijten, M. B.** (2018). Verifying the accuracy of statistical significance testing in Campbell Collaboration systematic reviews through the use of the R package statcheck. *Campbell Systematic Reviews: Methods Research Papers*. doi: 10.4073/csr.2018.1
- Nuijten, M. B.** (2018). Practical tools and strategies for researchers to increase replicability. *Developmental Medicine & Child Neurology*, 61(5), 535-539. doi: 10.1111/dmcn.14054
- Nuijten, M. B.**, Bakker, M., Maassen, E., & Wicherts, J. M. (2018). Verify original results through reanalysis before replicating. *Behavioral and Brain Sciences*, 41, e143. doi: 10.1017/S0140525X18000791
- Colombo, M., Duev, G., **Nuijten, M. B.**, & Sprenger, J. (2018). Statistical reporting inconsistencies in experimental philosophy. *PLoS ONE*, 13(4), e0194360. doi: 10.1371/journal.pone.0194360
- 2017 | **Nuijten, M. B.** (2017). Share analysis plans and results. *Nature*, 551, 559. doi: 10.1038/d41586-017-07522-z
- Nuijten, M. B.**, Borghuis, J., Veldkamp, C. L. S., Dominguez-Alvarez, L., Van Assen, M. A. L. M., & Wicherts, J. M. (2017). Journal data sharing policies and statistical reporting inconsistencies in psychology. *Collabra: Psychology*, 3(1), 1-22. doi: 10.1525/collabra.102

- 2016 **Nuijten, M. B.**, Deserno, M. K., Cramer, A. O. J., & Borsboom, D. (2016). Mental disorders as complex networks: An introduction and overview of a network approach to psychopathology. *Clinical Neuropsychiatry*, *13*(4/5), 68-76
- Nuijten, M. B.**, Deserno, M. K., Cramer, A. O. J., Costantini, G., & Borsboom, D. (2016). Disturbi mentali come complex network: Un' introduzione e una panoramica all' approccio network in psicopatologia. *Cognitivismo Clinico*, *13*(2), 135-149
- Nuijten, M. B.** (2016). Vals positieven: Geen gebrek aan integriteit, maar een teveel aan flexibiliteit. *Tijdschrift voor Taalbeheersing*, *38*(2), 175-180
- Nuijten, M. B.** (2016). Preventing statistical errors in scientific journals. *European Science Editing*, *42*(1), 8-10
- Hartgerink, C. H. J., 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, doi: 10.7717/peerj.1935
- 2015 **Nuijten, M. B.**, Hartgerink, C. H. J., Van Assen, M. A. L. M., Epskamp, S., & Wicherts, J. M. (2015). The prevalence of statistical reporting errors in psychology (1985-2013). *Behavior Research Methods*, *48*, 1205-1226. doi: 10.3758/s13428-015-0664-2
- Open Science Collaboration (2015). Estimating the reproducibility of psychological science. *Science*, *349*(6251). doi: 10.1126/science.aac4716
- Nuijten, M. B.**, Van Assen, M. A. L. M., Veldkamp, C. L. S., & Wicherts, J. M. (2015). The replication paradox: Combining studies can decrease accuracy of effect size estimates. *Review of General Psychology*, *19*(2), 172-182. doi: 10.1037/gpr0000034
- Nuijten, M. B.**, Wetzels, R., Matzke, D., Dolan, C. V., & Wagenmakers, E.-J. (2015). A default Bayesian hypothesis test for mediation. *Behavior Research Methods*, *47*, 85-97. doi: 10.3758/s13428-014-0470-2
- 2014 Veldkamp, C. L. S., **Nuijten, M. B.**, Dominguez-Alvarez, L., Van Assen, M. A. L. M., & Wicherts, J. M. (2014). Statistical reporting errors and collaboration on statistical analyses in psychological science. *PLoS One*, *9*(12), e114876. doi: 10.1371/journal.pone.0114876
- 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. *PNAS*, *111*(7), E712-E713. 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. doi: 10.1371/journal.pone.0084896

Unpublished Work

- 2017 **Nuijten, M. B.**, Van Assen, M. A. L. M., Hartgerink, C. H. J., Epskamp, S., & Wicherts, J. M. (2017). The validity of the tool "statcheck" in discovering statistical reporting inconsistencies. PsyArXiv. <https://psyarxiv.com/tcxaj/>

Books and Book Chapters

- 2022 | **Nuijten, M. B.** (2022). *Assessing and improving robustness of psychological research findings in four steps*. In W. O'Donohue, A. Masuda, and S. Lilienfeld (Eds.), *Avoiding questionable practices in applied psychology* (pp. 379-400). Springer. doi: 10.1007/978-3-031-04968-2_17
- 2020 | **Nuijten, M. B.** (2020). *Efficient scientific self-correction in times of crisis*. In E. Aarts, H. Fleuren, M. Sitskoorn & T. Wilthagen (Eds.), *The new common* (pp. 161-167). Springer. doi: 10.1007/978-3-030-65355-2
- 2019 | **Nuijten, M. B.** (2019). *Make open data the default*. In *Science under pressure: Essays on research integrity* (pp. 18-25). Publication on occasion of the Dies Natalis 2019 of Tilburg University.
- 2018 | **Nuijten, M. B.** (2018). *Research on research: a meta-scientific study of problems and solutions in psychological science*. Doctoral dissertation. *PsyArXiv*. doi: 10.31234/osf.io/qrtk7e
- 2017 | Lunansky, G., **Nuijten, M. B.**, Deserno, M. K., Cramer, A. O. J., & Borsboom, D. (2017). *Een symptoom komt nooit alleen: Psychologische stoornissen als complexe netwerken [A symptom never comes alone: Psychological disorders as complex networks]*. In E. H. M. Eurelings-Bontekoe, R. Verheul, & W. M. Snellen (Ed.), *Handboek persoonlijkheidspathologie [Handbook of Personality Pathology]* (pp. 245-266). Houten, The Netherlands: Bohn Stafleu van Loghum.

Software

- 2014 | Epskamp, S. & **Nuijten, M. B.** (2014). *statcheck: Extract statistics from articles and recompute p values*. Retrieved from <http://CRAN.R-project.org/package=statcheck>. (R package version 1.0.0)
- Nuijten, M. B.**, Wetzels, R., Matzke, D., Dolan, C. V., & Wagenmakers, E.-J. (2014). *BayesMed: Default bayesian hypothesis tests for correlation, partial correlation, and mediation*. Retrieved from <http://CRAN.R-project.org/package=BayesMed>. (R package version 1.0.0)

Outreach

Popular Press Outlets, Blogs

- 2020 | **Nuijten, M. B.** (2020). *Statcheck: een spellingchecker voor statistiek*. STAtOR. https://www.vvsor.nl/wp-content/uploads/2020/11/STAtOR-2020-2_34-36-Nuijten.pdf
- 2017 | **Nuijten, M. B.** (2017). *Journal policies that encourage data sharing prove extremely effective*. *LSE Impact Blog*. <https://blogs.lse.ac.uk/impactofsocialsciences/2017/09/05/journal-policies-that-encourage-data-sharing-prove-extremely-effective/>
- Nuijten, M. B.** (2017). *BayesMed and statcheck*. *APS Observer*. <https://www.psychologicalscience.org/observer/bayesmed-and-statcheck#.WL1iNG8rK72>

- 2013 | **Nuijten, M. B.**, Deserno, M., Cramer, A. O. J., & Borsboom, D. (2013). Een symptoom komt nooit alleen: Psychologische stoornissen als complexe netwerken. *De Psycholoog*.

Publicity

- 2020 | [ScienceGuide](#) - Onstuimig onderzoek benadrukt de uitdagingen van de wetenschap.
[The New York Times](#) - Do you have a conflict of interest? This robotic assistant may find it first.
- 2019 | [NWO: Onderzoek](#) - Dit gaat niet over de boeven, het gaat over ons.
[Nature](#) - How a data detective exposed suspicious medical trials.
[eLife](#) - Innovator Story: Learning from errors.
[Nature](#) - How a data detective exposed suspicious medical trials.
[Vox](#) - The military wants to build a bullshit detector for social science studies.
- 2018 | [Nature](#) - AI peer reviewers unleashed to ease publishing grind.
[Science](#) - This research group seeks to expose weaknesses in science and they'll step on some toes if they have to.
Dr Kelder & Co - Radio interview about my dissertation for the Dutch radio show "Dr Kelder & Co", on NPO Radio 1.
[The Bayes Factor](#) - Guest on the podcast The Bayes Factor in an episode on organizing and attending SIPS, open science, and teaching, hosted by Alexander Etz and JP de Ruiter.
- 2017 | [Science](#) - Controversial software is proving surprisingly accurate at spotting in psychology papers.
[New Scientist](#) - Onderzoek moet gepubliceerd worden, ongeacht de uitkomst.
[NEMO KennisLink](#) - Fouten filteren uit de wetenschap.
Technologist - Replication: how to address failure.
[SPSP Experts Video Series](#) - Short video on Data Sharing and Open Data, created in collaboration with SIPS and the OSF.
[The Guardian's Science Weekly Podcast](#) - Statistical vigilantes: the war on scientific fraud.
[PLOScast](#) - Guest on the podcast PLOScast. Episode: Check your stats.
[Everything Hertz](#) - Guest on the podcast Everything Hertz on Meta-Research, hosted by Dan Quintana and James Heathers.
[The Guardian](#) - The hi-tech war on science fraud.
- 2016 | [Nature Editorial](#) - Post-publication criticism is crucial, but should be constructive: In an era of online discussion, debate must remain nuanced and courteous.
[Nature](#) - Stat-checking software stirs up psychology.
[Motherboard \(VICE\)](#) - Scientists are worried about 'peer review by algorithm'.

- [Vox](#) - A bot crawled thousands of studies looking for simple math errors. The results are concerning.
- [How Stuff Works](#) - Statcheck: when bots `correct` academics.
- [De Volkskrant](#) - Worden sociale wetenschappen geterroriseerd door jonge onderzoekers?: Oorlog onder psychologen.
- 2015 [Nature News](#) - Smart software spots statistical errors in psychology papers: One in eight articles contain data-reporting mistakes that affect their conclusions.
- [BNR Nieuwsradio](#) - Radio interview
- [De Volkskrant](#) - 'Grove onzorgvuldigheden' in deel psychologische studies: Gevolgen voor uitkomst in 1 op 8 papers.
- [NRC Handelsblad](#) - Psycholoog tobt met statistiek.
- [De Volkskrant](#) - De psychologie van gebrekkig onderzoek.
- 2014 [De Psychonoom](#) - Replication Paradox: Met Michèle Nuijten.
- [Eos Wetenschap](#) - Barsten in betrouwbaarheid. Eos Wetenschap