



Dominique Makowski

Assistant Professor in Psychology, University of Sussex, Brighton, UK

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*Trained as a clinical neuropsychologist and CBT psychotherapist, I am an assistant professor at the University of Sussex, where I head the [Reality Bending Lab](#). My research has three strands. **Reality and its distortions:** beliefs about AI-generated content, visual illusions, deception, misinformation and fake news, fiction, and altered states of consciousness. **The body in cognition:** how interoception, physiological states and emotion regulation shape what we take to be real. **Methods:** Bayesian statistics, computational models and psychophysiology, as well as the development of new software, measures and paradigms, released as open source ([easystats](#), [NeuroKit](#), [cogmod](#)) to support open and rigorous science.*

Experience



Assistant Professor in Psychology

SCHOOL OF PSYCHOLOGY, UNIVERSITY OF SUSSEX

- Full teaching service on courses including Bayesian Statistics and Psychophysiology.
- Head of the [Reality Bending Lab](#): two doctoral students to date, around two full-time placement students and a dozen dissertation students a year, funded summer interns and research assistants.
- School-level leadership responsibilities, including research ethics, the research participation scheme and postgraduate programme development.

UK

2023 - Present



Research Fellow (Postdoc)

SCHOOL OF SOCIAL SCIENCES, NANYANG TECHNOLOGICAL UNIVERSITY (NTU)

- Awarded the NTU Presidential Postdoctoral Fellowship (2021 - 22), a competitive two-year grant bridging postdoc and faculty. Led an independent research track on the neurocognitive and affective processes underlying beliefs about reality within the [Clinical Brain Lab](#), managing a research budget and a team of three research assistants.
- Research Fellow (2019 - 20) on a Singapore Ministry of Defence funded project on the neurocognitive correlates of deception: study design, data collection, analysis and publications; co-supervision of one PhD student and two research assistants.

Singapore

2019 - 22

Education



PhD - Psychology

UNIVERSITÉ PARIS CITÉ

France

2014 - 18



Certified Psychotherapist - Cognitive Behavioural Therapy (CBT)

FRENCH ASSOCIATION FOR COGNITIVE BEHAVIOURAL THERAPY (AFTCC)

France

2014 - 17



BSc, MSc - Clinical Neuropsychology and Cognitive Psychology

UNIVERSITÉ PARIS CITÉ

France

2009 - 14

Clinical Practice



Assistant Neuropsychologist

ADULT PSYCHIATRY, HÔPITAL PITIÉ-SALPÊTRIÈRE, PARIS

- Professional placement (580 h): neuropsychological assessment and diagnosis of inpatients with mood disorders, psychosis and attention deficit hyperactivity disorder, and cognitive remediation.

France

2013 - 14



Assistant Neuropsychologist

GERIATRIC PSYCHIATRY, HÔPITAL SAINTE-ANNE, PARIS

- Professional placement (304 h): assessment and diagnosis of complex presentations combining psychiatric disorders with early dementia in older adults.

France

2012 - 13



Assistant Neuropsychologist

GERONTOLOGY, HÔPITAL LA PORTE VERTE, VERSAILLES

- Observation placement (96 h): assessment of memory deficits in neurodegenerative disease, somatic ageing-related illness and depression.

France

2012

Languages



French
Native



Polish
Native



English
Fluent



Italian
B1 · learning



R
Fluent



Python
Fluent

Teaching

I have been teaching at university level since 2013, and I am a Fellow of the Higher Education Academy (FHEA). At Sussex my involvement is primarily with advanced and postgraduate courses, but I am equally comfortable with introductory and undergraduate content.

METHODS AND STATISTICS

Bayesian Statistics	MSc · PhD	Module convenor; designed from scratch. The Bayesian framework, estimation and inference; multilevel and cognitive models with brms. UNIVERSITY OF SUSSEX · 2024 · PRESENT
Advanced Statistics	BSc · MSc · PhD	Regression and mixed models; psychometrics; experimental methodology and scientific reasoning. Taught in R. UNIVERSITY OF SUSSEX · 2023 · PRESENT · UNIVERSITÉ PARIS CITÉ · 19 H · 2017 - 18
Programming and Tools	MRes · PhD	Online experiment building with JavaScript; signal processing with Python; version control and collaboration with GitHub; open data and materials; agentic AI coding tools for research. UNIVERSITY OF SUSSEX · 2025 · UNIVERSITY OF ZURICH · 24 H · 2022

COGNITION AND PSYCHOBIOLOGY

Psychophysiology	BSc · MSc	Neurophysiological signal recording and preprocessing; heart rate variability; interoception; embodied cognition. UNIVERSITY OF SUSSEX · 2023 · PRESENT · UNIVERSITY OF BASEL · 8 H · 2024
Cognitive Neuroscience	BSc	Neuroanatomy; memory; emotion regulation; neuroimaging; mindfulness and meditation. UNIVERSITÉ PARIS CITÉ · 90 H · 2017 - 18
Cognitive Psychology	BSc	Models of working memory; mental imagery and categorisation. UNIVERSITÉ PARIS CITÉ · 48 H · 2014 - 16

INDIVIDUAL DIFFERENCES AND CLINICAL PSYCHOLOGY

Individual Differences	BSc	Intelligence; personality; creativity. UNIVERSITÉ PARIS CITÉ · 144 H · 2015 - 17
Clinical Neuropsychology	BSc	Neuropsychological syndromes; neuropsychological examination, diagnosis and psychometrics; neuropsychology in psychiatry. UNIVERSITÉ PARIS CITÉ · 51 H · 2017 - 18
Rehabilitation and Practice	MSc	Cognitive rehabilitation and intervention; neuropsychology and disability; neurodegenerative and neurodevelopmental disorders; clinical practice supervision. UNIVERSITÉ PARIS CITÉ · 29 H · 2017 - 18

DESIGN AND DELIVERY

MSc Programme development	2026
UNIVERSITY OF SUSSEX Leading the design of a new programme, MSc Advanced Computational Psychology: curriculum, modules and learning outcomes.	
Module design	2024
UNIVERSITY OF SUSSEX Created Bayesian Statistics, a new master's and PhD module, rated by students as one of the most engaging.	
Game-based learning	Prototype
INNOVATIVE TEACHING · OPEN SOURCE Stats & Sorcery, a game teaching statistical intuition through play.	
Invited teaching	2021 - 24
PARIS · SINGAPORE · OHBM Workshops for researchers and PhD students on Bayesian statistics, mixed models and physiological signals. See also Contracted Instructor.	

SUPERVISION AND EXAMINING

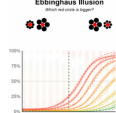
Doctoral supervision and examining	4 examined
Two PhD students supervised at Sussex, one graduated. Internal examiner for four Sussex PhD theses, on consciousness science, interoception and quantitative methods.	
Dissertation and placement students	12/year
Supervising nine undergraduate and three master's dissertations a year, two full-time placement students, and funded summer interns.	
Student prizes and scholarships	8 since 2023
Students under my supervision regularly win awards for their work in my lab, including the SAGE prize for outstanding application of statistical methods, the Sussex Partnership NHS Trust prize for the highest project mark, an Adam Weiler PhD Impact Award, and five JRA and SoCoBio summer scholarships.	

Software and Tools

SOFTWARE

	easystats R · CO-FOUNDER · 2019 Ten R packages for the post-processing of statistical models: parameters, effect sizes, diagnostics, Bayesian indices, marginal effects, reporting. Used in over 10,000 publications. SIPS Mission Award (2023).	41.5M downloads
	NeuroKit PYTHON · CREATOR · 2017 Most popular Python package for signal processing (ECG, PPG, EDA, ...), from peak detection to heart rate variability and complexity indices. 2,366 stars and dozens of contributors. SIPS Commendation (2024).	130k downloads/month
	Pyllusion PYTHON · CREATOR · 2020 Generates visual illusions parametrically, separating illusion strength from the objective difference between the targets, so that sensitivity can be measured continuously.	82 stars
	cogmod R · CREATOR · 2025 Bayesian models of cognitive tasks - drift diffusion, linear ballistic accumulator, racing diffusion - as custom brms families.	22 stars

MEASURES AND PARADIGMS

	Illusion Game SCIENTIFIC REPORTS · 2023 Parametric task measuring visual illusion sensitivity as a continuous trait, with evidence for a general factor.
	LIE Scale CURRENT PSYCHOLOGY · 2021 16-item measure of lying styles and attitudes: ability, frequency, negativity and contextuality.
	MINT Scale PSYARXIV PREPRINT Multimodal interoception questionnaire, across cardiac, respiratory, gastric and other bodily channels.
	DoggoNogo JAVASCRIPT · IN DEVELOPMENT Gamified cognitive control battery optimized via Bayesian statistics.

Service and Leadership

SCHOOL AND UNIVERSITY

- MSc Programme Developer

2026

MSC ADVANCED COMPUTATIONAL PSYCHOLOGY · UNIVERSITY OF SUSSEX
Developing the School's new master's programme (see Teaching).
- Research Participation Scheme Lead

2025 - Present

UNIVERSITY OF SUSSEX
Redesigned the SONA credit allocation and study approval rules to be fairer and more transparent, and trialled changes that raise the educational value of the experiments while improving data quality.
- Seminar Organiser

2024 - Present

MORSE · CENTRE FOR OPEN SCIENCE AND RESEARCH REFORM, SUSSEX
Methods for Open and Reproducible Science: a seminar series on openness and reproducibility in psychological science. Member of the Centre.
- Ethics Committee Member

2023 - Present

CROSS-SCHOOLS RESEARCH ETHICS COMMITTEE · UNIVERSITY OF SUSSEX

Grants and Awards

GRANTS

- Measuring the Deep Self

€58,843

BIAL FOUNDATION · GRANTS PROGRAMME 2026/27 · UNDER REVIEW
Prior-weighting in predictive processing as a single trait across belief updating, perception and self-reference.
- Illusion Sensitivity and Phenomenological Control

£20,000

CENTRE FOR OPEN SCIENCE · REGISTERED REPORTS IN CONSCIOUSNESS RESEARCH · PI · 2024 - 26
- Perception of Real vs. Fake Information

£655,000

TEMASEK LABORATORIES, NTU · BEHAVIOURAL AND COMMUNICATION SCIENCE PROGRAMME · CO-PI · 2022 - 25
- Crowdedness and Environment Typology (NICE)

£179,000

SINGAPORE NATIONAL RESEARCH FOUNDATION · INTRA-CREATE GRANT · CO-PI · 2021 - 22
- “That’s Fake News”: Belief in Deceptive Information

£258,000

NANYANG TECHNOLOGICAL UNIVERSITY · PRESIDENTIAL POSTDOCTORAL FELLOWSHIP · PI · 2020 - 22

EDITORIAL AND PEER REVIEW

- Statistical Editor

2025 - Present

Royal Society Open Science
- Associate Editor

2020 - 24

Frontiers in Psychology: Quantitative Psychology and Measurement
- Regular Reviewer

2018 - Present

Journal of Open Source Software
- Reviewer

2017 - Present

Nature Human Behaviour, NeuroImage, Behavior Research Methods, Biological Psychiatry, Scientific Reports, Personality and Individual Differences, Acta Psychologica, Neuropsychologia and others.

AWARDS

- SIPS Commendations

2020, 2024

SOCIETY FOR THE IMPROVEMENT OF PSYCHOLOGICAL SCIENCE
For the NeuroKit Python package (2024) and the bayestestR R package (2020).
- Openness in Research Award

2024

UNIVERSITY OF SUSSEX RESEARCH CULTURE AWARDS
For building software that makes open research accessible, and for running fully transparent studies.
- School of Psychology Award

2024

UNIVERSITY OF SUSSEX
For outstanding student supervision.
- Mission Award

2023

SOCIETY FOR THE IMPROVEMENT OF PSYCHOLOGICAL SCIENCE
For the easystats collection of R packages.
- Best Article Award

2020

PSYCHONOMIC SOCIETY
For the fictional reappraisal paper, the main output of the PhD.

Engagement and Knowledge Exchange

OPEN SCIENCE AND PUBLIC ENGAGEMENT

- Open Science Champion

2024

BRITISH NEUROSCIENCE ASSOCIATION (BNA)
Invited to argue for **openness** vs. **sustainability** in the meeting's debate, against Charlotte Rae as the Sustainability Champion.
- Open Methods Tutorials

44 posts

REALITY BENDING LAB · 2019 - PRESENT
Tutorials for early-career researchers on Bayesian statistics, reaction times and GitHub, and essays on research culture and AI, on the [lab blog](#).
- Science Communication

69,000 views

BLOG · TELEVISION · PODCAST · PRESS
A French neuropsychology blog; France 4 television; the *Learning Bayesian Statistics* podcast; press coverage of the AI-faces study.

CONSULTANCY

- Scientific Advisor

2025 - Present

AI START-UP, SINGAPORE · CLIENT CONFIDENTIAL
Scientific advising on an applied project on deception detection.
- Python Developer

2025

INSTITUTE FOR ADVANCED CONSCIOUSNESS STUDIES
Implementation of hyperscanning capabilities for [OpenMuse](#), the open-source portable EEG software I created and maintain.

CONTRACT RESEARCH AND TEACHING

- Smell and Emotion (EEG)

2026

FRAGRANCE INDUSTRY · CLIENT CONFIDENTIAL
Contract research on the relationship between smells and emotions.
- Contracted Instructor

2022 - 26

SUSSEX · BASEL · ZURICH
A reusable *Introduction to GitHub* lecture for SEDarc's six UK universities (2026); PhD workshops on psychophysiology (Basel, 2024) and Python for signal processing (Zurich, 2022).

SCIENCE ADJACENT PROJECTS



NeuropsychXart

Art project

A person's heart or brain activity, recorded during a mental experience and drawn as the **attractor** of that signal: a portrait made of physiology, where the artist is only the facilitator. Was selected for the **Brain Art Exhibition**, Montreal (OHBM, 2023).



Reality Check!

Card game

A bluffing card game built on the **Ebbinghaus illusion**: play a circle the same size or bigger than the last, and call the bluff when your eyes disagree. Out of the lab's work on illusion sensitivity.

Talks and Presentations

INVITED TALKS AND SEMINARS

- Reality as an Embodied Process

NTU · SINGAPORE

On beliefs of reality and unreality, at the *Truth in the Machine* symposium I co-organised at NTU.

2025
- Good Tools Breed Good Science

BRAINHACK · SINGAPORE

On how the available software, hardware and methods quietly decide which questions a field is able to ask.

2026
- Software Demonstrations

OHBM · SUSSEX · 2023 - 2026

Invited software talks and demonstrations: NeuroKit at an OHBM satellite event on research software, and easystats at Open Research Sussex and for the Centre for Open Science and Research Reform.

3 talks
- The Lying Brain

TEMASEK LABORATORIES · SINGAPORE

On the neuroscientific approaches to deception, and the case for treating it as a multidimensional phenomenon rather than a signal to be detected.

2021

CONFERENCE PRESENTATIONS

- Symposia Organised

AISC, ROME · NTU, SINGAPORE · ESCAN, ROME

The Value of Reality in the Post-Truth Era, Truth in the Machine and Artificial Emotion: three international symposia on how beliefs about artificiality shape affective and neural responses, convened with collaborators in Rome and Singapore.

2024 - 26
- Conference Talks

ESCOPE · ICOM · ICM · SFP · AFTCC · MBB · 2013 - 2023

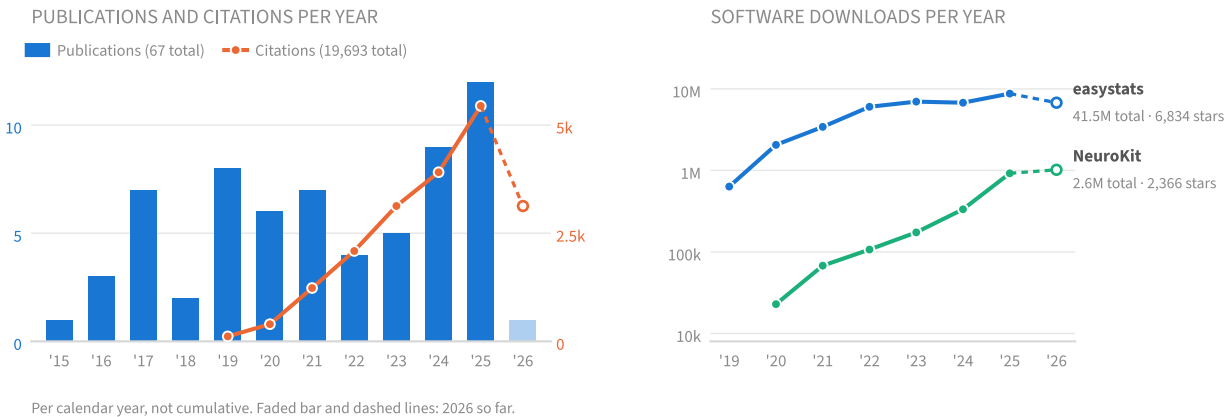
Talks at European and international meetings in cognitive psychology, consciousness science, neuroimaging and clinical psychology, in English and in French.

13
- Posters

OHBM · SNLF · SOCIÉTÉ DES NEUROSCIENCES · 2013 - 2023

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Impact



- One of the most cited researchers in the School of Psychology, University of Sussex, and repeatedly the most cited in ResearchGate's monthly departmental figures since December 2024 (which count only staff with a ResearchGate profile).
- *h*-index 27, *i*10-index 38; 41 of 67 publications as first (29) or senior (12) author.
- easystats ([Wikipedia](#)) has become embedded in various textbooks and courses: Andy Field's *Discovering Statistics Using R and RStudio* (2nd edition, 2026) builds its R workflow on it and credits it in the acknowledgements, and Springer's *Learning Analytics Methods and Tutorials* (2024) teaches with it.
- Concepts and tools from my work have made their way into mainstream research: the probability of direction, an index of effect existence in Bayesian statistics ([Wikipedia](#)); NeuroKit, the most popular Python toolbox for physiological signal processing ([Wikipedia](#)); and concepts like fictional reappraisal, cited in the scientific account of the paradox of fiction ([Wikipedia](#)).

Publications

REALITY PERCEPTION AND MANIPULATION

Makowski, D., & Neves, A. [Testing the relationship between phenomenological control and illusion sensitivity](#). *PsyArXiv*. (Stage 2 Registered Report)

under review

Dickinson, R., Makowski, D., van Marwijk, H., & Ford, E. [Bad News: Testing gamified inoculation against misinformation](#). *PsyArXiv*.

under review

Makowski, D., Te, A. S., Neves, A., Kirk, S., Liang, N. Z., Mavros, P., & Chen, S. H. A. [Too beautiful to be fake: Attractive faces are less likely to be judged as artificially generated](#). *Acta Psychologica*, 252, 104670.

2025

Dickinson, R., Makowski, D., van Marwijk, H., & Ford, E. [Interventions for combating COVID-19 misinformation: A systematic realist review](#). *PLOS One*, 20(4), e0321818.

2025

Dickinson, R., Makowski, D., van Marwijk, H., & Ford, E. [Exploring the role of news outlets in the rise of a conspiracy theory: Hydroxychloroquine in the early days of COVID-19](#). *COVID*, 4(12), 1873–1896.

2024

Makowski, D., Lau, Z. J., Pham, T., Te, A. S., Kirk, S., Liauw, C., & Chen, S. H. A. [The heart can lie: A preliminary investigation of the role of interoception and theory of mind in deception](#). *Current Psychology*, 1–12.

2024

- Makowski, D., Te, A. S., Kirk, S., Liang, N. Z., & Chen, S. H. A. [A novel visual illusion paradigm provides evidence for a general factor of illusion sensitivity and personality correlates](#). *Scientific Reports*, 13(1), 6594.

2023
- Makowski, D., Lau, Z. J., Pham, T., Boyce, W. P., & Chen, S. H. A. [A parametric framework to generate visual illusions using Python](#). *Perception*, 50(11), 950–965.

2021
- Makowski, D., Pham, T., Lau, Z. J., Raine, A., & Chen, S. H. A. [The structure of deception: Validation of the lying profile questionnaire](#). *Current Psychology*, 1–16.

2021
- Makowski, D., Sperduti, M., Pelletier, J., Blond  , P., La Corte, V., Arcangeli, M., Zalla, T., Lemaire, S., Dokic, J., Nicolas, S., & Piolino, P. [Phenomenal, bodily and brain correlates of fictional reappraisal as an implicit emotion regulation strategy](#). *Cognitive, Affective, & Behavioral Neuroscience*, 19(4), 877–897. (Main PhD paper; Psychonomic Society Best Article Award 2020)

2019

Makowski, D.* , Sperduti, M.*, Nicolas, S., & Piolino, P. “Being there” and remembering it: Presence improves memory encoding . <i>Consciousness and Cognition</i> , 53, 194–202. (co-first authors)	2017
Sperduti, M.*, Makowski, D.* , Arcangeli, M., Wantzen, P., Zalla, T., Lemaire, S., Dokic, J., Pelletier, J., & Piolino, P. The distinctive role of executive functions in implicit emotion regulation . <i>Acta Psychologica</i> , 173, 13–20. (co-first authors)	2017
Tuena, C., Serino, S., Gaston-Bellegarde, A., Orriols, E., Makowski, D. , Riva, G., & Piolino, P. How virtual embodiment affects episodic memory functioning: A proof-of-concept study . <i>Annual Review of Cybertherapy and Telemedicine</i> , 15, 93–107.	2017
Sperduti, M.*, Arcangeli, M.*, Makowski, D. , Wantzen, P., Zalla, T., Lemaire, S., Dokic, J., Pelletier, J., & Piolino, P. The paradox of fiction: Emotional response toward fiction and the modulatory role of self-relevance . <i>Acta Psychologica</i> , 165, 53–59. (co-first authors)	2016
INTEROCEPTION, EMOTION REGULATION, NEUROPHYSIOLOGY	
Makowski, D. , Neves, A., Benn, E., Bennett, M., & Poerio, G. The Mint Scale: A fresh validation of the multimodal interoception questionnaire and comparison to the MAIA, BPQ and IAS . <i>PsyArXiv</i> .	under review
Neves, A., Pfaff, M., Scharte, R. E., Nogueira-Arjona, R., Poerio, G., & Makowski, D. Mega-analysis of the Interoceptive Accuracy Scale (IAS) structure and its dispositional correlates . <i>PsyArXiv</i> .	under review
Scharte, R. E., Greenwood, K., Romero Sanchiz, P., Neves, A., Makowski, D. , & Nogueira-Arjona, R. Interoception and substance use: A systematic review and meta-analysis . <i>PsyArXiv</i> .	under review
Makowski, D. Towards an active inference personality framework: The Deep-Self Predictive Cascade model . <i>PsyArXiv</i> .	under review
Pham, T., Johnco, C. J., Lau, Z. J., Makowski, D.* , & Forbes, M. K.* Which heart rate variability (HRV) indices should I use for psychophysiological research? A data-driven approach to identifying clusters of HRV indices . <i>Psychophysiology</i> , 62(10), e70164. (co-last authors)	2025
Makowski, D. , Te, A. S., Neves, A., & Chen, S. H. A. Measuring depression and anxiety with 4 items? Adaptation of the PHQ-4 to increase its sensitivity to subclinical variability . <i>Collabra: Psychology</i> , 11(1), 143431.	2025
Lau, Z. J.*, Pham, T.*, Chen, S. H. A., & Makowski, D. Brain entropy, fractal dimensions and predictability: A review of complexity measures for EEG in healthy and neuropsychiatric populations . <i>European Journal of Neuroscience</i> , 56(7), 5047–5069. (co-first authors)	2022
Makowski, D. , Te, A. S., Pham, T., Lau, Z. J., & Chen, S. H. A. The structure of chaos: An empirical comparison of fractal physiology complexity indices using NeuroKit2 . <i>Entropy</i> , 24(8), 1036.	2022
Pham, T., Lau, Z. J., Chen, S. H. A., & Makowski, D. Heart rate variability in psychology: A review of HRV indices and an analysis tutorial . <i>Sensors</i> , 21(12), 3998.	2021
● Makowski, D. , Pham, T., Lau, Z. J., Brammer, J. C., Lespinasse, F., Pham, H., Schölzel, C., & Chen, S. H. A. NeuroKit2: A Python toolbox for neurophysiological signal processing . <i>Behavior Research Methods</i> , 1–8. (SIPS Commendation 2024)	2021
Makowski, D. , Sperduti, M., Blondé, P., Nicolas, S., & Piolino, P. The heart of cognitive control: Cardiac phase modulates processing speed and inhibition . <i>Psychophysiology</i> , 57(3).	2019
Makowski, D. , Sperduti, M., Lavallée, S., Nicolas, S., & Piolino, P. Adaptation and validation of a short French version of the Affective Style Questionnaire . <i>International Journal of Cognitive Therapy</i> , 13(2), 146–158.	2019
Makowski, D.* , Sperduti, M.*, Lavallée, S., Nicolas, S., & Piolino, P. Dispositional mindfulness attenuates the emotional attentional blink . <i>Consciousness and Cognition</i> , 67, 16–25. (co-first authors)	2019
Makowski, D. , Sperduti, M., Blanchet, S., Nicolas, S., & Piolino, P. Régulation émotionnelle face au déclin cognitif dans le vieillissement : un faux paradoxe ? . <i>Gériatrie et Psychologie Neuropsychiatrie du Vieillessement</i> , 13(3), 301–308. (Published bilingually; the English title is “Emotion regulation and the cognitive decline in aging: Beyond the paradox”)	2015
STATISTICS	
Makowski, D. , Neves, A., & Field, A. P. Introducing the Choice-Confidence (CHOCO) model for bimodal data from subjective ratings: Application to the effect of attractiveness on reality beliefs about AI-generated faces . <i>PsyArXiv</i> .	under review
Makowski, D. The cogmod R package: Easy-to-use Bayesian cognitive models for reaction times, choices and subjective ratings, with applications to computational neuropsychology . <i>PsyArXiv</i> .	under review
Geller, J., Angele, B., & Makowski, D. This is not the ex-Gaussian model you are looking for: On the default parameterization of Bayesian ex-Gaussian models in brms . <i>PsyArXiv</i> .	under review
Lüdecke, D., Makowski, A. C., Klein, J., Ben-Shachar, M. S., & Makowski, D. Choosing informative priors in Bayesian regression models: A simulation study and tutorial using Stan and R . <i>Frontiers in Psychology</i> , 17, 1856582.	2026
Fernandez, K., Makowski, D. , & Fisher, C. SequentialSamplingModels.jl: Simulating and evaluating cognitive models of response times in Julia . <i>JuliaCon Proceedings</i> , 7(78), 186.	2025
Makowski, D. , Ben-Shachar, M. S., Wiernik, B. M., Patil, I., Thériault, R., & Lüdecke, D. modelbased: An R package to make the most out of your statistical models through marginal means, marginal effects, and model predictions . <i>Journal of Open Source Software</i> , 10(109), 7969.	2025
Thériault, R., Ben-Shachar, M. S., Patil, I., Lüdecke, D., Wiernik, B. M., & Makowski, D. Check your outliers! An introduction to identifying statistical outliers in R with easystats . <i>Behavior Research Methods</i> , 1–11.	2024
Makowski, D. , & Waggoner, P. D. Where are we going with statistical computing? From mathematical statistics to collaborative data science . <i>Mathematics</i> , 11(8), 1821.	2023
Patil, I., Makowski, D. , Ben-Shachar, M. S., Wiernik, B. M., Bacher, E., & Lüdecke, D. datawizard: An R package for easy data preparation and statistical transformations . <i>Journal of Open Source Software</i> , 7(78), 4684.	2022
Lüdecke, D., Patil, I., Ben-Shachar, M. S., Wiernik, B. M., Waggoner, P. D., & Makowski, D. see: An R package for visualizing statistical models . <i>Journal of Open Source Software</i> , 6(64), 3393.	2021
● Lüdecke, D., Ben-Shachar, M. S., Patil, I., Waggoner, P. D., & Makowski, D. performance: An R package for assessment, comparison and testing of statistical models . <i>Journal of Open Source Software</i> , 6(60), 3139.	2021
Ben-Shachar, M. S., Lüdecke, D., & Makowski, D. effectsize: Estimation of effect size indices and standardized parameters . <i>Journal of Open Source Software</i> , 5(56), 2815.	2020
Lüdecke, D., Ben-Shachar, M. S., Patil, I., & Makowski, D. parameters: Extracting, computing and exploring the parameters of statistical models using R . <i>Journal of Open Source Software</i> , 5(53), 2445.	2020
Makowski, D. , Ben-Shachar, M. S., Patil, I., & Lüdecke, D. Methods and algorithms for correlation analysis in R . <i>Journal of Open Source Software</i> , 5(51), 2306.	2020
Makowski, D. , Ben-Shachar, M. S., Chen, S. H. A., & Lüdecke, D. Indices of effect existence and significance in the Bayesian framework . <i>Frontiers in Psychology</i> , 10.	2019

Makowski, D. , Ben-Shachar, M. S., & Lüdtke, D. bayestestR: Describing effects and their uncertainty, existence and significance within the Bayesian framework . <i>Journal of Open Source Software</i> , 4(40), 1541. (SIPS Commendation 2020)	2019
Lüdtke, D., Waggoner, P. D., & Makowski, D. insight: A unified interface to access information from model objects in R . <i>Journal of Open Source Software</i> , 4(38), 1412.	2019
Makowski, D. The psycho package: An efficient and publishing-oriented workflow for psychological science . <i>Journal of Open Source Software</i> , 3(22), 470.	2018
OTHER	
Rinaldi, L. J., Agbude, R., Andermane, N., Makowski, D. , Forster, S., Simner, J., & Ward, J. Attention and physiological responses to task-irrelevant sounds in misophonia . <i>Journal of Clinical and Experimental Neuropsychology</i> , 48(3), 266–280.	2026
Geller, J., Gomez, P., Buchanan, E., & Makowski, D. A distributional response time analysis of the perceptual disfluency effect . <i>Journal of Cognition</i> , 8(1), 60.	2025
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