

# STEFAN VERMEENT

I am a postdoctoral researcher at the University of Amsterdam (Institute for Biodiversity and Ecosystem Dynamics). I use computational modeling to understand how early-life adversity shapes cognitive abilities. I enjoy developing workflows and (R) functionality to advance open science practices.



## EDUCATION

- Feb 2025** | **PhD Candidate, Developmental Psychology** | **Utrecht University**
- Jan 2025** | **Research MSc. Social and Health Psychology** | **Utrecht University**  
Cum Laude
- June 2018** | **BSc. Psychology** | **Utrecht University**  
Sep 2016 | With Honours
- June 2016** | **BSc. Psychology** | **Utrecht University**  
Sep 2013 | With Honours

## RESEARCH EXPERIENCE

- Current** | **Postdoctoral Researcher, Evolutionary and Population Biology, Institute for Biodiversity and Ecosystem Dynamics** | **University of Amsterdam**  
Mar 2025
- 2025** | **PhD Candidate, Developmental Psychology** | **Utrecht University**  
2021 | **Max Planck Institute for the Study of Crime, Security, & Law, Freiburg**  
Supervision: Drs. Willem Frankenhuis, Jean-Louis van Gelder, Jaap Denissen, & Ethan Young
- 2018** | **Graduate Research Assistant** | **Utrecht University**  
2016
- 2015** | **Undergraduate research internship** | **Utrecht University**  
2014

## INDUSTRY EXPERIENCE

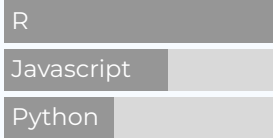
- Dec 2020** | **Junior Researcher, Digital Cognitive Dx venture at Philips** | **Philips, Eindhoven**  
June 2018

## CONTACT

[Email me!](#)  
[My website](#)  
[GitHub](#)  
[Twitter](#)  
[LinkedIn](#)

## LANGUAGE

### SKILLS



Made with the R package [pagedown](#).



## GRANTS & AWARDS

- 2025 • **Open Science Award for the *projectlog* R package, Open Science Community Utrecht (OSCU)**  
<https://openscience-utrecht.com/oscu-award/>
- 2025 • **Best Article Award, Child and Adolescent Studies (CAS) research programme, Utrecht University**
- 2024 • **ODISSEI LISS Panel Grant**  
*Cognitive strenghts and deficits in adverse conditions: A balanced view*  
Role: Main applicant  
Total award: €39,500  
Dates: Jan 1, 2024 - Aug 1, 2025



## PUBLICATIONS

- 2025 • **Vermeent, S.**, Schubert, A.L., Denissen, J., van Gelder, J.L., & Frankenhuys, W.E. (2025). Inconclusive evidence for associations between adverse experiences in adulthood and working memory performance. *Royal Society Open Science*, 12(1), 241837.
- 2025 • **Vermeent, S.**, Schubert, A.-L., & Frankenhuys, W.E. (2025). Adversity is associated with lower general processing speed rather than specific executive functioning abilities. *Journal of Experimental Psychology: General*, 154(11), 3010–3028.
- 2024 • Klaming, L., Spaltman, M., **Vermeent, S.**, van Elswijk, G., Miller, J., & Schmand, B. (2024). Test-retest reliability and reliable change index of the Philips IntelliSpace Cognition digital test battery. *The Clinical Neuropsychologist*, 38(7), 1707–1725..
- 2024 • **Vermeent, S.**, Young, E.S., DeJoseph, M.L., Schubert, A.L., & Frankenhuys, W.E. (2024). Cognitive deficits and enhancements in youth from adverse conditions: An integrative assessment using Drift Diffusion Modeling in the ABCD study. *Developmental Science*, e13478.
- 2024 • **Vermeent, S.**, Young, E.S., van Gelder, J.L., & Frankenhuys, W.E. (2024). Childhood adversity is not associated with lowered inhibition, but slower perceptual processing: A Drift Diffusion Model analysis. *Cognitive development*, 71, 101479.

- 2024 ● Young, E.S., **Vermeent, S.**, Frankenhuys, W.E., Nivision, M., Simpson, J.A., & Roisman, G.I. (2024). How does adversity shape performance across different abilities in the same person? *\*Development and Psychopathology*, 1-14 [📄](#)
- 2021 ● **Vermeent, S.**, Spaltman, M., van Elswijk, G., Miller, J.B., & Schmand, B.A., (2021). Philips IntelliSpace Cognition digital test battery: Equivalence and measurement invariance compared to traditional analog test versions. *The Clinical Neuropsychologist*, 36(8), 2278-2299. [📄](#)
- 2020 ● **Vermeent, S.**, Dotsch, R., Schmand, B., Klaming, L., Miller, J.B., & van Elswijk, G. (2020). Evidence of validity for a newly developed digital cognitive test battery. *Frontiers in Psychology: Neuropsychology*, 1-11. [📄](#)
- 2016 ● Keesman, M., Papies, E.K., **Vermeent, S.**, Aarts, H., & Häfner, M. (2016). Consumption simulations induce salivation to food cues. *PLoS ONE*, 11, e0165449. [📄](#)



## PUBLICATIONS IN PREPARATION / PREPRINTS

- 2025 ● **Vermeent, S.**, Schubert, A.-L., & Frankenhuys, W.E. (2025). Cognitive modeling of decision making enhances the adversity researcher's toolbox. *OSF*. [📄](#)



## NON PEER-REVIEWED PUBLICATIONS

Asterisk denotes shared first-authorship

- 2025 ● DeJoseph, M. L.\*, **Vermeent, S.\***, Wiechert, S.\*, Blakey, E., & Frankenhuys, W. E. <sup>1</sup>. Strengths alongside struggles Infographic; science communication. [📄](#)



## CONFERENCE, SYMPOSIUM, & WORKSHOP TALKS

- 2025 ● Symposium: SRCD 2025 Biennial Meeting, Minneapolis, USA
- 2024 ● CAS research day, Utrecht, The Netherlands.
- 2024 ● Symposium: CogSci 2024, Rotterdam, The Netherlands
- 2024 ● Symposium: 27th Biennial Meeting of the ISSBD, Lisbon, Portugal

- 2023 ● Symposium: International Convention of Psychological Science, Brussels, Belgium.
- 2022 ● CAS research day, Utrecht, The Netherlands
- 2022 ● European Human Behaviour and Evolution Association, online.



## DEPARTMENTAL OR INSTITUTE TALKS

§ denotes invited talk

- 2025 ● Amsterdam Mathematical Psychology Laboratory, University of Amsterdam, Amsterdam, The Netherlands
- 2025 ● § Weinberg Institute for Cognitive Science, University of Michigan, Ann Arbor, USA
- 2025 ● § Expertisecentrum MGGZ, Utrecht Medical Center, Utrecht, The Netherlands
- 2024 ● § Genetic Epidemiology, Amsterdam Medical Center (AMC), Amsterdam, The Netherlands
- 2024 ● § Language and Cognition Lab, Stanford University, USA.
- 2024 ● § Laboratory for Stress Assessment and Research, University of California, Los Angeles (UCLA), USA.
- 2024 ● § Center on Early Childhood, Stanford University, USA.
- 2024 ● § Johannes Gutenberg University, Mainz, Germany
- 2024 ● § LIFE-MAP lab, King's College London, London, England
- 2023 ● Developmental Psychology, Utrecht University, Utrecht, The Netherlands
- 2023 ● § Goal Lab, Utrecht University, Utrecht, The Netherlands

- 2023 ● Programming Cafe, Utrecht University, Utrecht, The Netherlands
- 2022 ● the Decision-Making in Conditions of Adversity (DMCA) research group, online.
- 2022 ● § Analysis and Modeling of Complex Data group, Johannes Gutenberg University, Mainz, Germany.



## POSTERS

- 2024 ● CogSci 2024, Rotterdam, The Netherlands.
- 2023 ● European Conference on Developmental Psychology (ECDP), Turku, Finland.
- 2022 ● Human Behavior & Evolution Society, online.
- 2019 ● The National Academy of Neuropsychology, Inc. (NAN) 39th Annual Conference, San Diego, USA
- 2019 ● The National Academy of Neuropsychology, Inc. (NAN) 39th Annual Conference\*, San Diego, USA
- 2018 ● The American Academy of Neurology (AAN) Annual Meeting, Philadelphia, USA



## WORKSHOPS

- 2025 ● Topic: Creating a reproducible workflow in R  
 📍 Utrecht University (January)  
[Materials](#)
- 2024 ● Topic: Multiverse analysis  
 📍 Stanford University, USA (March)  
 📍 Utrecht University, the Netherlands (April)  
 📍 Mainz University (May)  
[Materials](#)
- 2024 ● Topic: Preregistration  
 📍 Max Planck Institute for the Study of Crime, Security and Law, Freiburg, Germany (April)  
[Materials](#)

- 2023 • Title: 'Open science: From theory to test. European Conference on Developmental Psychology (ECDP), August 2023  
[Materials](#)

## </> R PACKAGES

- 2023 • multitool: Run multiverse style analyses. <https://CRAN.R-project.org/package=multitool>
- 2023 • projectlog. <https://stefanvermeent.github.io/projectlog/index.html>



## TEACHING EXPERIENCE

- **Advanced Research Methods and Statistics for Psychology**  
Teaching assistant 📍 Utrecht University
- **Bachelor Thesis supervision**  
Supervision 📍 Utrecht University
- **Adolescent Development**  
Teaching Assistant 📍 Utrecht University
- **21st century and the modern human**  
Lecture on developmental plasticity 📍 Utrecht University
- **Minor track *Evolution of Plasticity and Learning***  
Lecture on exploration and exploitation 📍 University of Amsterdam



## ACADEMIC SERVICES AND MEMBERSHIPS

- Current | 2023 • **CERA Network (Communicating and Expanding Research on Adversity Network)**  
Member
- Current | 2021 • **Decision Making in Contexts of Adversity (DMCA) Network**  
Member
- 2025 | 2023 • **Department PhD Chair**  
📍 Utrecht University
- 2024 | 2023 • **Department Coordination Team**  
Member 📍 Utrecht University
- 2024 • **Member of research review committee for the Institute Brain and Behaviour Amsterdam (iBBA), Vrije Universiteit**  
Member



## REVIEWS

- 2025 ● **Developmental Science**  
Editor: Dr. de Smedt, 2 rounds
- 2025 ● **Communications Psychology**  
Editor: Dr. Schubert, 2 rounds
- 2025 ● **Development and Psychopathology**  
Editor: Dr. Roisman, 1 round
- 2025 ● **Trends in Cognitive Science**  
Editor: Dr. Walker, 1 round
- 2025 ● **Developmental Science**  
Editor: Dr. Gredebäck, 1 round
- 2025 ● **Developmental Science**  
Editor: Dr. Ossmy, 1 round
- 2024 ● **Crime & Delinquency**  
Editor: Dr. van Gelder & Dr. Barnum, 1 round
- 2024 ● **Developmental Science**  
Editor: Dr. de Haan, 1 round
- 2024 ● **JCCP Advances**  
Editor: Dr. Larsson, 2 rounds
- 2023 ● **Trends in Psychology**  
Editor: Dr. Coscioni, 1 round
- 2023 ● **Journal of Adolescence**  
Editor: Dr. Darling, 1 round
- 2022 ● **Child Development**  
Editor: Dr. Amso, 2 rounds
- 2022 ● **Journal of Cognitive Development**  
Editor: Dr. Marcovitch, 2 rounds