

Erik-Jan van Kesteren

Utrecht – Netherlands

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Experience

PhD Candidate Methodology & Statistics

Sept 2017 - Present

Utrecht University, Netherlands

Supervisor: Dr. Daniel L. Oberski

- NWO Talent Grant project: Extending structural equation models to accommodate novel data sources
- Spring 2019: Research visit at Cambridge MRC CBU on brain structure covariance with Rogier Kievit

Statistical Programmer / Software Developer

Aug 2016 - Present

JASP, University of Amsterdam

Software development for JASP, an accessible, open-source application for performing statistical analysis

MSc Methodology & Statistics

2015 - 2017

Utrecht University

Cum laude

Thesis: How correlations between genes influence class prediction models

Young Innovators honours programme

Data Professional

2014 – 2015

Douwe Egberts Master Blenders 1753

Responsible for data reports, data quality checks, data dashboards for various departments

MSc Organisational & Social Psychology

2013 - 2014

London School of Economics

With distinction

Thesis: Trust in teams collaborating virtually

BA (Hons) Social Sciences

2010 - 2013

University College Utrecht

Summa cum laude

Psychology, Economics, Neuroscience, Statistics

Publications

Van Kesteren, E. J. & Oberski, D. L. (In Preparation). Structural Equation Modeling using Computation Graphs. *arXiv preprint*

- Preprint: <https://arxiv.org/abs/1905.04492>
- R Package: <https://github.com/vankesteren/tensorsem>

Van Kesteren, E. J. & Oberski, D. L. (2019). Exploratory Mediation Analysis with Many Potential Mediators. *Structural Equation Modeling: A Multidisciplinary Journal*, DOI: 10.1080/10705511.2019.1588124

- Preprint: <https://arxiv.org/abs/1810.06334>
- R Package: <https://github.com/vankesteren/cmfilter>

Wagenmakers, E. J., Love, J., Marsman, M., Jamil, T., Ly, A., Verhagen, J., ..., Van Kesteren, E. J., ... & Morey, R.D. (2018). Bayesian inference for psychology. Part II: Example applications with JASP. *Psychonomic Bulletin & Review*, 25(1), 58-76.

Presentations

SEM Working Group Conference (Tübingen, DE)

March 2019

Extending Structural Equation Modeling using insights from deep learning

Methods & Statistics Data Science lab (Utrecht, NL)

June 2018

Recursion in programming

Modern Modeling Methods Conference (Boston, MA)

May 2018

Exploratory Mediation Analysis with Many Potential Mediators

R Data Cafe (Utrecht, NL) JASP: a fresh way to do statistics	April 2018
SEM Working Group Conference (Amsterdam, NL) Exploratory Mediation Analysis with Many Potential Mediators	February 2018
Causality Reading Group (Utrecht, NL) Connecting probabilities to graphs	December 2017

Teaching

Data Analysis & Visualisation <ul style="list-style-type: none"> Master's level course on statistical learning, R programming for data science With dr. Daniel Oberski Materials: http://www.uudav.nl 	2017 - Present
Statistical Programming with R <ul style="list-style-type: none"> Week-long summer course at the Utrecht Summer School With dr. Gerko Vink Materials: https://www.gerkovink.com/Statistical-Programming-with-R/ 	2017 - Present
Bachelor's thesis supervision <ul style="list-style-type: none"> Weekly supervision of bachelor thesis in methodology & statistics With Prof. Irene Klugkist Topic: Interim analysis / early stopping 	2016
Statistical consultation <ul style="list-style-type: none"> Statistical consultation for bachelor, master, and PhD students Part of the Methods & Statistics consultation shop 	2016 - Present

Awards & Honours

Talent grant <i>Netherlands Organisation for Scientific Research (NWO)</i> Full personal grant for my PhD position at Utrecht University, awarded for the project <i>New Dimensions in Social Science: Extending structural equation models to accommodate novel data sources.</i>	2017-2021
JASP Annual Contributor Award <i>JASP</i> Award for my contributions to the JASP open-source project, see the award text	2017
Bright Minds Award <i>Dare to Cross Over conference</i> Award for my pitch of our Young Innovators honours project	2016

Miscellaneous

Member of the Faces of Science <ul style="list-style-type: none"> Part of the Royal Netherlands Academy of Arts and Sciences Science communication / blogging https://www.nemokennislink.nl/facesofscience/ 	2018 - Present
Board member of the Netherlands Young Statisticians <ul style="list-style-type: none"> An organization for students and early-career statisticians. Organisation of company visits, small conferences, and meetups. Website: http://youngstatisticians.nl 	2016 - Present
Co-founder of Methods & Statistics Data Science Lab <ul style="list-style-type: none"> Reading group / invited talks on data science at Utrecht University Website: https://msdslab.sites.uu.nl/ 	2017
Languages	

- Dutch (Native)
- English (Fluent)
- Italian (Proficient)
- German (Proficient)