

# Erik-Jan van Kesteren

Utrecht – Netherlands

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## Experience

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- PhD Candidate Methodology & Statistics** **Sept 2017 - Present**  
*Utrecht University, Netherlands*  
NWO Talent Grant project: Extending structural equation models to accommodate novel data sources  
Supervisor: Dr. Daniel L. Oberski
- 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

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- Van Kesteren, E. J. & Oberski, D. L. (in press). Exploratory Mediation Analysis with Many Potential Mediators. *Structural Equation Modeling: A Multidisciplinary Journal*
- 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

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

## Teaching

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### Data Analysis & Visualisation

2017 - Present

- Master's level course on statistical learning, R programming for data science
- With dr. Daniel Oberski
- Materials: <http://www.uudav.nl>

### Statistical Programming with R

2017 - Present

- Week-long summer course at the Utrecht Summer School
- With dr. Gerko Vink
- Materials: <https://www.gerkovink.com/Statistical-Programming-with-R/>

### Bachelor's thesis supervision

2016

- Weekly supervision of bachelor thesis in methodology & statistics
- With Prof. Irene Klugkist
- Topic: Interim analysis / early stopping

### Statistical consultation

2016 - Present

- Statistical consultation for bachelor, master, and PhD students
- Part of the Methods & Statistics consultation shop

## Awards & Honours

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### Talent grant

2017-2021

*Netherlands Organisation for Scientific Research (NWO)*

Full personal grant for my PhD position at Utrecht University, awarded for the project *New Dimensions in Social Science: Extending structural equation models to accommodate novel data sources*.

### JASP Annual Contributor Award

2017

*JASP*

Award for my contributions to the JASP open-source project, see the award [text](#)

### Bright Minds Award

2016

*Dare to Cross Over conference*

Award for my pitch of our Young Innovators honours project

## Miscellaneous

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### Member of the Faces of Science

2018 - Present

- Part of the Royal Netherlands Academy of Arts and Sciences
- Science communication / blogging
- <https://www.nemokennislink.nl/facesofscience/>

### Board member of the Netherlands Young Statisticians

2016 - Present

- An organization for students and early-career statisticians.
- Organisation of company visits, small conferences, and meetups.
- Website: <http://youngstatisticians.nl>

### Co-founder of Methods & Statistics Data Science Lab

2017

- Reading group / invited talks on data science at Utrecht University
- Website: <https://msdslab.sites.uu.nl/>

### Languages

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