Fayette Klaassen │ Curriculum Vitae

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Academic appointments and research

PhD candidate

Utrecht University *2015–2019*

Dissertation title: The latest update on Bayesian informative hypothesis testing.
Supervisors prof. dr. Herbert Hoijtink and prof. dr. Irene Klugkist.

Visiting researcher

University of California, Irvine *January–February 2019*

A two month visit to UCI, California, USA where I worked with prof. dr. Jeff Rouder and colleagues on comparing (Bayesian) methodologies to test whether theories broadly apply in a population of interest.

Student assistant

Utrecht University *2014–2015*

Several projects at the department of Educational Sciences and the department of Methodology and Statistics, including, but not limited to: assisting in data collection; conducting and transcribing interviews; classifying papers for a systematic review.

Student assistant

CITO, Arnhem *June–December 2014*

Developing an R program to evaluate scores from an adaptive test with an IRT model; researching the impact of guessing in CATs on the ability estimate.

Non-academic experience

Tutor

Various high school tutoring organisations *2008–2014*

One on one tutoring of high school students in Mathematics, Latin, Ancient Greek, Dutch and English

Internship

Municipality of Amsterdam *2013*

Assisting in the Armoedebeleid (Poverty Reduction Policy) of the city of Amsterdam

Internship

Anglia Network Europe / MarocEd, Casablanca, Morocco *2011–2012*

Assisting in the establishment of MarocEd, by forming a network of directors of primary, secondary, vocational and language schools. Developing and co-teaching a teacher training course for young English teachers in Casablanca.

VoorleesExpress

Amsterdam *2011*

Reading books to two children in an immigrant family, to benefit language development.

Education

MSc. *Cum Laude*

Utrecht University *2013–2015*

Research Master: *Methodology and Statistics for the Behavioural, Biomedical, and Social Sciences.* Thesis: *The power of informative hypotheses*, supervisors: Xin Gu and prof. dr. Herbert Hoijtink

BA *Honours Cum laude*

Amsterdam University College *2010–2013*

Liberal Arts and Sciences. Major: *Social Sciences*. Tracks: *Psychology, Sociology, Educational sciences*. Thesis: *Bridging the gap between educational research, policy and practice in the Netherlands*, supervisor: dr. Maurits de Klepper.

Additional training and education

Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS)

IOPS Certificate 2015-2019

11 ECTS in graduate courses in statistics and psychometrics offered at Dutch and Belgian universities connected to IOPS. *Statistical Consulting to Behavioral Scientists (2019); Statistical Learning (2018); Generalized latent variable modeling (2017); Meta-Analysis (2016); What is Psychometrics (2016); Optimization and numerical methods (2015).* Attendance of IOPS conferences, reviewing admission proposals, discussant of talks at conferences.

Utrecht University Graduate School of Social Sciences

Graduate courses and training programs 2015–2018

Completed several graduated courses and workshops offered from the Graduate School of Social Sciences at Utrecht University. *Research Funding Days (2018); Planning your future career (2018); Basic Teaching Qualification, Sub-trajectory Teaching (2016); Academic writing in English (2016);How to create societal impact with your research? (2016); Research integrity (2015)*

Citizen Science LERU Graduate Summer School

Zürich, Switzerland 2017

Representative of Utrecht University. Winner of the Jury Award with the Citizen Science project *Let's WakeApp*. Attended workshop: *Storytelling for Science*

Conference courses

Attended workshops at conferences 2016–2017

Causal inference in experiments and observational studies, by D. Rubin (IMPS 2017); Teaching Bayesian statistics, by R. Steort (ISBA 2016); Big Data, by D. Dunson(ISBA 2016)

Research master extra electives

Utrecht University September–December 2013

15 EC elective courses from the master Educational Sciences in addition to the Methodology and Statistics master program.

Undergraduate Erasumus exchange

Katholieke Universiteit Leuven September 2012–January 2013

Semester abroad at Katholieke Universiteit Leuven, Belgium

Teaching Experience

University Teaching Qualification:

Basic Teaching Qualification (BKO): Module Teaching

Utrecht University 2016

Successfully completed the BKO module Teaching in 2016, acquiring knowledge and skills on teacher-student interaction, providing peer feedback on taught classes and reflection on own classes.

Courses taught:

Bayesian Statistics

Research Master, Utrecht University 2015–2019

Lectures, practicals, grading and coordination of assignments.

Multivariate Statistics

Research Master, Utrecht University 2018–2019

Lectures, practicals, grading and coordination of assignments.

Methoden, Technieken en Statistiek 3

Bachelor, Utrecht University 2015–2017

Seminars on critical evaluation of research methods.

Methoden, Technieken en Statistiek 4
Bachelor, Utrecht University   2015
Computer labs.

Advanced course on using Mplus
Graduate Summer School, Utrecht University   2015–2016
Computer practicals.

Introduction to Structural Equation Modelling using Mplus
Graduate Summer School, Utrecht University   2014–2016
Computer practicals.

Thesis supervision:

Bachelor Thesis
Anouk Sprokel, Co-supervised with Herbert Hoijtink   2016
Title: De toename van de kans op toevallige significante resultaten bij het toetsen van meerdere hypotheses.

Bachelor Thesis
Jon Stiekema, Co-supervised with Herbert Hoijtink   2017
Title: Bayesiaanse evaluatie van informatieve hypotheses als methode voor replicatiebeoordeling.

Other:

Developing materials
Development of R Shiny Application for educational purposes   2017–2018
Developing a set of R Shiny web applications with a development team for teaching purposes at Utrecht University

Academic Activities and Memberships

Member of Organizing Committee   2019
Member of the organizing committee for the Bayes factor user meeting, scheduled December 2019 in Utrecht, the Netherlands

Ad-hoc reviewer   2016–present
Psychological Methods, Methodology, PLOS ONE, Evidence-Based Communication Assessment and Intervention

Consultant in the Consultancy Shop   2014–present
Providing methodological and statistical advice to bachelor, master and PhD students.

PhD representative for IOPS   2016–2018
Among other things, activities consist of attending IOPS board meetings, selecting reviewers for admission proposals and chairing the IOPS PhD student meeting.

PhD representative   2016–2018
PhD representative for the department of Methodology and Statistics at Utrecht University. Among other things, tasks are organizing meetings for PhD studnets to discuss research and well-being; organizing the PhD research day.

Member of PhD council   2016–2018
Member of the PhD council for the Faculty of Social Sciences at Utrecht University. Activities include, but are not limited to, conducting, analyzing and reporting the yearly graduate survey; organizing information events for PhD candidates and suggesting improvements to the Faculty Council.

Member of QANU visitation assessment   2017
Member of the team interviewed by the QANU visitation to evaluate the quality of the department of psychology at Utrecht University.

Member of Graduate Think Tank   *2015–2017*
Member of the Utrecht University graduate Think-tank, organized by Prof. M. van der Wende, Dean of Graduate Education, to improve graduate research exchange

Member of Organizing Committee   *2016*
Member of the organizing committe for the graduate student research conference: *Dare to cross over*, at Utrecht University

Grants and Awards

Fund for International Activities   **€2,000**
Utrecht University   *2018*
Fund supplied by the department of Methodology and Statistics at Utrecht University for an international research visit to the University of California, Irvine, USA.
Education Incentive Fund   **€15.000**
Faculty of Social Sciences, Utrecht University   *2017*
Miočević, M., Aarts, E., **Klaassen, F.**, Lek, K.M., Mulder, K.T., Namesnik, K.T., Veen, D., Zondervan-Zwijnenburg, M.A.J. (2017). *Project member, assigned for the development of Shiny applications for educational purposes.*
Citizen Science Award   **2.500CHF**
LERU Doctoral Summer School, Zürich, Switzerland   *2017*
Quinn, S., Lukeš, D., Jenkins, H., **Klaassen, F.**, Bisaga, I., Javan, R.R., Schinkelshoek, M.S., and Dulęba, A. (2017). *Lets WakeApp*. Winner of the Jury Award.
ETSS EJPT Best paper of 2017
ETSS EJPT Award   *2017*
Third place
ISBA World Meeting   **$400**
Travel Grant   *2016*
Klaassen, F. (2016). *The power of informative hypotheses.*
International Mathematics A-lympiade   **First place**
Competition in applied mathematics   *2009*

Languages and Software

Languages: Dutch (Native), Dutch supported with sign language (Intermediate)

English (Fluent)

French, German, and Spanish (A2-B1)

Dutch supported with signs (Level 1 and 2)

Software: R, LaTeX, C$_{++}$, SPSS, Mplus, OpenBugs/WinBugs, HLM

Publications

Pubications in peer reviewed journals:

2019:

Kuiling, J. M. E., **Klaassen, F.** and Hagenaars, M. A. (2019). The role of tonic immobility and control in the development of intrusive memories after experimental trauma. *Memory.* (Online ahead of print). https://doi.org/10.1080/09658211.2018.1564331

van der Ham, I. J. M., **Klaassen, F.**, van Schie, K., and Cuperus, A. (2019). Elapsed time estimates in virtual reality and the physical world: The role of arousal and emotional valence. *Computers in Human*

Behavior, 94. https://doi.org/10.1016/j.chb.2019.01.005

2018:

Klaassen, F., Zedelius, C., Veling, H., Aarts, H., and Hoijtink, H. (2018). All for One or Some for All? Evaluating Informative Hypotheses using Multiple $N = 1$ Studies. *Behavior Research Methods* doi:10.3758/s13428-017-0992-5

2017:

Hagenaars, M. A., Holmes, E. A., **Klaassen, F.**, and Elzinga, B. (2017). Tetris and word game affect intrusive memories when applied after memory reactivation 4 days post analogue trauma. *European Journal of Psychotraumatology. 8* (Sup 1). *3rd place ETSS EJPT best paper of 2017 award.*webpage.

Mulder, H. de, Hakemulder, F., van den Berghe, R., **Klaassen, F.** and van Berkum, J. (2017). Effects of exposure to literary narrative fiction: From book smart to street smart? *Scientific Study of Literature, 7* (1), pp. 129-169.

Cuperus, A. A., **Klaassen, F.**, Hagenaars, M. A., and Engelhard, I. M. (2017). A virtual reality paradigm as an analogue to real-life trauma: Its effectiveness compared with the trauma film paradigm. *European Journal of Psychotraumatology. 8* (Sup 1). doi:10.1080/20008198.2017.1338106.

Book chapters:

in press:

Klaassen, F. Combining evidence over multiple individual analyses. In R. Van de Schoot & M. Miočević (Eds.), *Small sample size solutions: A guide for applied researchers and practitioners.* Routledge.

Software:

2019: Klaassen, F. (2019). *BayesianPower: Sample Size and Power for Comparing Inequality Constrained Hypotheses.* R package. https://CRAN.R-project.org/package=BayesianPower

2018: Klaassen, F. (2018). *Anova = Regression.* R Shiny web application. Retrieved from https://utrecht-university.shinyapps.io/Anova-Regression/

2017: Klaassen, F. (2017). *One for all or some for all?* R Shiny web application. Retrieved from https://utrecht-university.shinyapps.io/OneForAll/

Pre-prints:

Haaf, J., **Klaassen, F.**, and Rouder, J. *A note on using systems of orders to capture theoretical constraint in psychological science.* doi:10.31234/osf.io/a4xu9.

Klaassen, F. *Staying in the loop: Prior odds, Bayes factor, posterior odds.*

Klaassen, F. *The power of informative hypotheses.* doi:10.17605/OSF.IO/D9EAJ