CURRICULUM VITAE

Contact Details

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Relevant Working Experience

8/2016 - present	**PhD Candidate** Utrecht University, Faculty of Social Sciences, Department of Methodology & Statistics Developing new methodology to use expert knowledge as input in latent growth curve models to counterbalance issues of small sample sizes.
9/2015 - 05/2016	**Methodological Development Intern** ProfitWise International Collaborating on the development of new statistical, business analytical, methods. After the development of the new methods we conducted studies at a staffing company and a large financial institution to test the methods that resulted from the collaboration.
9/2015 - 12/2015	**Student Assistant for Research Master Course Survey Data Analysis** Utrecht University & University of Twente Assisting in the structuring of practical's and teaching in the form of supporting sessions for the students in which they can ask questions about lectures and practical's.
6/2015 – 7/2015	**Data Analyst** University of Twente, Faculty of Behavioural, Management and Social Sciences, Department of Research Methodology, Measurement and Data Analysis Multilevel analysis on ICILS 2013 data using HLM software for Kennisnet foundation (Dutch expertise center on ICT in education).

Education

2014 – 2016	**Research Master - Methodology and Statistics in the behavioral, social and biomedical sciences (MSc) - Cum Laude** Utrecht University Courses: Survey data analysis, Multivariate statistics, Fundamentals of statistics, Computational inference with R, Psychometrics, Introduction to multilevel and structural equation modelling, Bayesian statistics, Clinical research designs, elective: survey track. Average grade 8,13 (GPA = 4.0)
2010 – 2014	**Bachelor Psychology (BSc)** University of Twente Minor: Origins (Cosmology, Biological evolution and Philosophy of Awareness) Bachelor Thesis: "*Multivariate analysis for using the Crosswise- and Triangular method*" (These are randomized response data collection methods, link)

Certificates

2018	**What is psychometrics**
	University of Amsterdam, The Netherlands, 22-24 May 2018
2017	**Advanced course on using Mplus**
	Utrecht Summer School, Utrecht University, Utrecht, 10-14 July
	Transparency in Science
	University of Groningen, 19-20 April
	Introduction to Bayesian Networks and BayesiaLab
	Paris, 21-23 March
	Start to Teach
	Utrecht University, March 10
	Statistical Learning
	Leiden University, 25-27 January
2016	**Optimization and Numerical Methods in Statistics**
	KU Leuven, 15-16 November
	Sixth Annual JAGS and WinBUGS Workshop Bayesian Modeling for Cognitive Science
	University of Amsterdam, 15 - 19 August
2015	**Finance for Non-Financial Professionals**
	University of California, Irvine ([link](#))
	Fundamentals of Management
	University of California, Irvine ([link](#))

Professional Development

| 2016 | **Covey Training - De Zeven Eigenschappen van Effectief Leiderschap** |
| | Rotterdam, December 9 |

Publications

Academic Publications

2018   Veen, D., Stoel, D., Schalken, N., Mulder, K., & van de Schoot, R. (2018). Using the Data Agreement Criterion to Rank Experts' Beliefs. *Entropy*, 20(8). Doi: 10.3390/e20080592

Fox, J.-P., Veen, D., & Klotzke, K. (2018). Generalized Linear Mixed Models for Randomized Responses. *Methodology*. http://dx.doi.org/10.1027/1614-2241/a000153

Meershoek, A.J.A., de Vries, E.E., Veen, D., den Ruijter, H.M., & de Borst, G.J. (2018). *Treatment of internal carotid artery NEar occlusiON (NEON study): An individual patient data meta-analysis.* (manuscript under review).

Veen, D., Little, T.D. & van de Schoot, R. (2018). *Effects Coding as Unbiased Alternative to Scale Scores*. (manuscript under review).

de Klerk, M., Veen, D., Wijnen, F. & de Bree, E. (2018). *A Step Forward: Bayesian Hierarchical Modelling as a Tool in Assessment of Individual Discrimination Performance.* (manuscript under review).

2017   Veen, D., Stoel ,D., Zondervan-Zwijnenburg, M. & van de Schoot, R. (2017) Proposal for a Five-Step Method to Elicit Expert Judgment. *Front. Psychol*. 8:2110. doi: 10.3389/fpsyg.2017.02110

Technical Report

2015   Luyten, H., Veen, D. & Meelissen, M.R.M. (2015). *De relatie tussen leerling- en schoolkenmerken en digitale geletterdheid van 14-jarigen: secundaire analyses op*

de data van ICILS-2013. Enschede: Universiteit Twente ([link](#))

Software

2018   Veen, D., Schalken, N., & van de Schoot R. (2018). DAC: Calculating Data Agreement Criterion Scores to Rank Experts Based on Their Beliefs. R package version 0.1.1. https://CRAN.R-project.org/package=DAC

    Veen, D. (2018). Effects-Coding: Calculate your own Confirmatory Factor Analysis using Effects Coded parametrization. Retrieved from https://dveen.shinyapps.io/Effects-Coding/

    Veen, D. (2018). Application for education: demonstrate sampling distributions for correlations. Retrieved from https://utrecht-university.shinyapps.io/samplingcorrelations/

    Veen, D. (2018). Application for education: demonstrate correlation and relation with regression. Retrieved from https://utrecht-university.shinyapps.io/correlation/

2017   Veen, D. (2017). Five-Step Method Elicitation App. Retrieved from https://utrecht-university.shinyapps.io/elicitation/

    Veen, D. (2017). Kullback-Leibler Divergence explorer with (skewed) normal distributions. Retrieved from https://utrecht-university.shinyapps.io/klapp

2016   Fox, J-P., Klotzke, K., & Veen, D. (2016). GLMMRR: Generalized Linear Mixed Model (GLMM) for Binary Randomized Response Data. R package version 0.2.0. Available from https://CRAN.R-project.org/package=GLMMRR

Presentations

Invited

2018   Meershoek, A.J.A., Veen, D. (2018, May). Duo presentation: Treatment of internal carotid artery NEar occlusiON (NEON study): An individual patient data meta-analysis. Presentation delivered at research meeting of UMC Utrecht Department of Vascular Surgery, Utrecht, the Netherlands.

    Veen, D. (2018, February). On Using Expert Knowledge as Prior Information. Presentation delivered at Statistics Netherlands (CBS), Heerlen, the Netherlands.

International

2018   Egberts, M., Veen, D., van de Schoot, R. & van Loey, N. (2018, August). Relating the development of maternal Post-Traumatic Stress to Health Related Quality of Life of children with severe burn injuries. Poster presented at StanCon 2018, Helsinki, Finland.

    Veen, D., Klaassen F. (2018, July) Duo presentation: On reasons to use subjective Bayes. Presentation delivered at VIII European Congress of Methodology. Part of the symposium entitled, "Applying Subjective Bayes to Real Life Data", Jena, Germany.

    Veen, D., Stoel, D., Schalken, N. & van de Schoot, R. (2018, July). Using the Data Agreement Criterion to Rank Experts' Beliefs. Presentation delivered at Bayesian Young Statisticians Meeting (BaYSM) 2018, Coventry, Great Britain.

    Egberts, M. & Veen, D. (2018, March) Duo presentation: Increasing Power of Statistical Analyses Through Collaboration. Presentation delivered at Small Sample Size Solutions (S[4]) Conference, Utrecht, the Netherlands.

    de Klerk, M. & Veen, D. (2018, March) Duo presentation: Improving the Assessment

of Individual Phoneme Discrimination Performance. Presentation delivered at Small Sample Size Solutions (S⁴) Conference, Utrecht, the Netherlands.

2017   Veen, D., van Loey, N.E.E., van Baar, A.L., Wijnen, F.N.K. & van de Schoot, R. (2017, August). Eliciting and Using Expert Information in Latent Growth Curve Models. Poster presented at 18th European Conference on Developmental Psychology, Utrecht, the Netherlands.

Veen, D., Izeboud, E. & van de Schoot, R. (2017, May). Systematic Review of Elicitation Software: Expert Knowledge as a Source of Data. Part of the symposium entitled, "Experts and Animals: How Can They Help Us?" at the 29th Association for Psychological Science (APS) annual convention, Boston, MA, USA.

Veen, D., Stoel, D., & van de Schoot, R. (2017, May). Using the Data Agreement Criterion to Rank Experts' Beliefs. Part of the symposium entitled, "What the Dutch can do with prior information (and you too)" at the 2017 Modern Modeling Methods (M3) Conference, Storrs, CT, USA.

National

2018   Veen, D. & van de Schoot, R. (2018, June). How understanding prior-data compromise can lead to sample size determination. Poster presented at 33rd IOPS Summer Conference, Amsterdam, the Netherlands.

2016   Veen, D., van Loey, N.E.E., van Baar, A.L., Wijnen, F.N.K. & van de Schoot, R. (2016, November). Eliciting and Using Expert Information in Latent Growth Curve Models: Research Plan. Poster presented at VNOP-CAS-ISED research days 2016, Leiden, the Netherlands.

Institutional

2018   Veen, D. & de Klerk, M. (2018, July). Real data application: Bayesian Hierarchical Modelling as a Tool in Assessment of Individual Discrimination Performance. Presentation delivered at Utrecht University Summer school: Advanced Multilevel Analysis, Utrecht, the Netherlands.

Veen, D. (2018, January). The Effects of Using Different MCMC Samplers. Presentation delivered at Utrecht University for the Bayesian Statistics working group, Utrecht, the Netherlands.

2017   Veen, D. (2017, June). Expert Knowledge as a Source of Data. Presentation delivered at Utrecht University at the 1st Experts Data (Dis)Agreement working group meeting, Utrecht, the Netherlands.

2016   Mulder, K.T., Veen, D. (2016, October). Bayes Meeting Default Priors. Presentation delivered at Utrecht University for the Bayesian Statistics working group, Utrecht, the Netherlands.

Veen, D., Stoel, D., van de Schoot, A.G.J. (2016, September). Using the Data Agreement Criterion to Rank Experts' Beliefs. Presentation delivered at Utrecht University for the Bayesian Statistics working group, Utrecht, the Netherlands.

Grants

2017	**Education Incentive Funds - €14,300** Development of Shiny applications for educational purposes Miočević, M., Aarts, E., Klaassen, F., Lek, K.M., Mulder, K.T., Namesnik, K.T., Veen, D., Zondervan-Zwijnenburg, M.A.J.

Awards

| 2017 | **The EADP/ERU Best Poster Award** |
| | Received for the poster presented at the 18th European Conference on Developmental Psychology, Utrecht, the Netherlands. |

Teaching Experience

Courses

2018	**Utrecht University Summer school: Statistical Programming with R**
	Utrecht University – Practical's
	Methoden, Technieken en Statistiek 3 (Bachelor)
	Utrecht University – Seminars
2017	**Methoden, Technieken en Statistiek 1 (Bachelor)**
	Utrecht University – Seminars and Practical's
	Methoden, Technieken en Statistiek 3 (Bachelor)
	Utrecht University – Seminars
2016	**Methoden en Statistieken van Sociaal Wetenschappelijk Onderzoek 2 (pre-master)**
	Utrecht University – Practical's
	Methoden, Technieken en Statistiek 1 (Bachelor)
	Utrecht University – Seminars and Practical's
2015	**Survey Data Analysis (Research Master)**
	Utrecht University – Q&A Sessions

Thesis Supervision

2017-2018	Schalken, N. Research Master Thesis
	Schat, E. Research Master Thesis
2015	Klotzke, K. Bachelor Thesis

Professional Services

Ad-Hoc Reviewer

| 2017 | European Journal of Developmental Psychology |

Software Proficiency

Statistical Software

Advanced:	R including rstan, lavaan, blavaan, lme4 and shiny
	HLM, SPSS, LaTeX, M*plus*
Basic/Intermediate:	OpenBugs

Professional Affiliations

2018 - present	Open Science Community Utrecht
2017 - present	European Association of Developmental Psychology (EADP)
2017 - present	The International Society for Bayesian Analysis (ISBA)
2017	The Econometric Society
2017	Association for Psychological Science (APS)
2016 - present	Interuniversity graduate school of Psychometrics and Sociometrics (IOPS)