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.
2/2019 - 4/2019	**Visiting Researcher**
	Columbia University, Stan Development Team, Bob Carpenter
	Work on annotation models with Bob Carpenter and development of the shinystan R package with Jonah Gabry.
9/2015 - 5/2016	**Internship**
	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

2019	Veen D., & Klugkist, I., (2019) Standard Errors, Priors, and Bridge Sampling: A Discussion of Liu et al. *Journal of the Korean Statistical Society.*
	de Klerk, M., Veen, D., Wijnen, F. & de Bree, E. (2019). A Step Forward: Bayesian Hierarchical Modelling as a Tool in Assessment of Individual Discrimination Performance. *Infant Behavior and Development.*
	Meershoek, A.J.A., de Vries, E.E., Veen, D., den Ruijter, H.M., & de Borst, G.J. (2019). Meta-analysis of the outcomes of treatment of internal carotid artery near occlusion. *British Journal of Surgery,* 106(6), 665-671.
	Veen, D., Stoel, D., Schalken, N., Mulder, K., & van de Schoot, R. (2019). Correction: Veen, D.; Stoel, D.; Schalken, N.; Mulder, K.; Van de Schoot, R. Using the Data Agreement Criterion to Rank Experts' Beliefs. Entropy 2018, 20, 592. *Entropy*, 21(3), 307.
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

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
Under review	van de Schoot, R., Winter, S., Griffioen, E., Grimmelikhuijsen, S., Arts, I., Veen, D., Tummers, L. (2019). *Using Questionable Research Practices to Survive in Academia*. (manuscript under review).
	Veen, D., Egberts, M. R., van Loey, N. E. E., & van de Schoot, R. (2019) *Expert Elicitation in the Social Sciences: The case of Posttraumatic Stress Symptoms Development in Children with Burn Injuries*. (manuscript under review).

Book Chapters

Accepted	Veen, D., & Egberts, M. R. (2020). The importance of collaboration in Bayesian analyses with small samples. In R. Van de Schoot & M. Miočević (Eds.), *Small sample size solutions: A guide for applied researchers and practitioners*: Routledge.
	Van de Schoot, R., Veen, D., Smeets, L., Winter, S. D., & Depaoli, S. (2020). A tutorial on using the WAMBS-checklist to avoid the misuse of Bayesian statistics. In R. Van de Schoot & M. Miočević (Eds.), *Small sample size solutions: A guide for applied researchers and practitioners*: Routledge.

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

2019	Veen, D. (2019, October). On shinystan 3.0. Presentation delivered at the Second Dutch Stan meetup, Dutch Healthcare Authority, Utrecht, the Netherlands

Veen, D. (2019, April). On expert elicitation and evaluation. Presentation delivered at statistics student seminar, Columbia University, New York, NY, USA.

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

2019   Veen, D., Egberts, M. & van de Schoot, R. (2019, May). On Elicitation of Prior Information for Latent Change Analysis. Part of the symposium entitled, "Risks of Default Priors in Bayesian Structural Equation Models with Small Samples and Two Approaches on How to Avoid Those Risks" at the 31st Association for Psychological Science (APS) annual convention, Washington, D.C., USA.

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 (S[4]) 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

2019   Veen, D., Egberts, M. & van de Schoot, R. (2019, June). On Elicitation of Prior Information for Latent Change Analysis. Presentation delivered at 34th IOPS Summer Conference, Utrecht, the Netherlands.

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

2019	**South Africa Stats Camp Training Seminar**
	Hammanskraal, Gauteng Province, South Africa
	Utrecht University Summer school: Statistical Programming with R
	Utrecht University – Practical's
	Utrecht University Summer school: Introduction to Structural Equation Modeling using Mplus
	Utrecht University – Lecturer
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

2019	Statistics in Transition new series
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 - 2018	European Association of Developmental Psychology (EADP)
2017 - 2018	The International Society for Bayesian Analysis (ISBA)
2017	The Econometric Society
2017, 2019	Association for Psychological Science (APS)
2016 - present	Interuniversity graduate school of Psychometrics and Sociometrics (IOPS)