

# Gerko Vink

November 2017

[G.Vink@uu.nl](mailto:G.Vink@uu.nl) | [Web](#) | [Linkedin](#) | [GitHub](#)

UTRECHT UNIVERSITY  
Department of Methods and Statistics  
Padualaan 14, room B.110  
Utrecht University  
3584 CH Utrecht

---

## Education

- 2015 **PhD in Statistics**, *Utrecht University*, Utrecht, Defended on 13 March 2015.  
Title of dissertation: *Restrictive imputation of incomplete survey data*. [pdf](#)
- 2009 **MSc Statistics in Psychology (with honors)**, *Leiden University*, Leiden.
- 2008 **BSc in Psychology**, *Leiden University*, Leiden.
- 2005 – 2008 **Photography**, *Royal Academy of Arts*, The Hague.

---

## Professional experience

- 2015 – now **Assistant Professor**, *Department of Methods and Statistics*, Utrecht University.  
August 2015 - present
- 2016 – 2017 **Adjunct Associate Research Scholar**, *Applied Statistics Center*, Columbia University, New York.  
February 2016 - January 2017
- 2014 – 2015 **Postdoctoral Fellow**, *Department of Methods and Statistics*, Utrecht University.  
September 2014 - July 2015
- 2012 – 2014 **Lecturer [.5 fte]**, *Department of Methods and Statistics*, Utrecht University.  
September 2012 - August 2014
- 2012 – 2014 **AIO (doctoral candidate) [.5 fte]**, *Department of Methods and Statistics*, Utrecht University, and *Department of Methodology and Quality*, Statistics Netherlands (CBS).  
September 2012 - August 2014
- 2009 – 2012 **AIO (doctoral candidate)**, *Department of Methods and Statistics*, Utrecht University, and *Department of Methodology and Quality*, Statistics Netherlands (CBS).  
September 2009 - August 2012
- 2008 – 2009 **Graduate Teaching Assistant**, *Department of Methods and Statistics*, Utrecht University, February 2008 - August 2009.

---

## Management positions

- 2015 – now **Educational Advisor**, *Programme Advisory Committee*, Research master program *Methodology and Statistics for the Behavioural, Biomedical and Social Sciences*, Faculty of Social Sciences, Utrecht University.

- 2012 – now **Project Coordinator**, *Interactive digital education*, Research master program *Methodology and Statistics for the Behavioural, Biomedical and Social Sciences*, Faculty of Social Sciences, Utrecht University.
- 2013 – 2015 **Coordinator**, *Minor Methodology and Statistics in the Social and Behavioural Sciences*, Faculty of Social Sciences, Utrecht University.
- 2012 – 2015 **Educational Representative**, *Educational Advisory Committee*, Research master program *Methodology and Statistics for the Behavioural, Biomedical and Social Sciences*, Faculty of Social Sciences, Utrecht University.

---

### Received funding

- 2014 **Investigator**, *Multiple imputation of Parent Management Training Oregon (PMTO) data*, with Stef van Buuren (UU/TNO) for €12,000 (my share: €6,000), Maastricht University, the Netherlands.  
November 2014 - December 2014
- 2013 **Investigator**, *Multilevel Bayesian estimation of multiply imputed social-educational advantage scores over time*, with Stef van Buuren (UU/TNO) for €42,477 (my share: €21,238.50), Australian Curriculum, Assessment and Reporting Authority, Sydney, Australia.  
March 2013 - August 2013
- 2012 **Investigator**, *Multiple imputation of large register data with multilevel structures*, with Stef van Buuren (UU/TNO) for €53,503 + €5,000 bonus (my share: €29,251.50), Australian Curriculum, Assessment and Reporting Authority, Sydney, Australia.  
August 2012 - December 2012

---

### Relevant professionalization

- 2016 **Big Data and Social Analytics**, *Massachusetts Institute of Technology*, Cambridge, MA, USA.

---

### Teaching experience

#### Undergraduate teaching experience

- 2016 – now Methods & Statistics 2, Utrecht University
- 2015 – now Missing Data Theory and Causal Effects, Utrecht University [Course coordinator]
- 2012 – now Conducting a Survey, Utrecht University
- 2011 – 2015 Applied Multivariate Statistics, University College Utrecht
  - 2013 Methods & Statistics I, Utrecht University
  - 2013 Ondersteuning Leeronderzoek, Utrecht University
- 2009 – 2011 Methods & Statistics I, University College Utrecht
- 2008 – 2009 Inleiding in de Methoden en Technieken, Leiden University
- 2008 – 2009 Psychometrie, Leiden University
- 2008 – 2009 Experimenteel en Correlationeel Onderzoek, Leiden University
- 2008 – 2009 Toetsende statistiek, Leiden University

- 2008 – 2009 Multivariate Data Analyse, Leiden University  
Graduate teaching experience
- 2017 – now Markup Languages and Reproducible Programming in Statistics, Utrecht University
- 2013 – now Master Thesis Supervision, Utrecht University
- 2012 – 2016 Research Seminar I, Utrecht University  
2014 Research Seminar II, Utrecht University
- 2012 – 2015 Statistical Programming in R elective course, Utrecht University
- 2009 – 2013 Imputation Techniques, Utrecht University  
2012 Statistical Programming in R, Utrecht University  
2009 Applied Multivariate Data Analysis, Leiden University
- Post-graduate courses
- 2016 Multiple Imputation in Practice, Utrecht University [Course coordinator]
- 2013 Applied Multiple Imputation using SPSS and R, Utrecht University
- Summerschool courses
- 2016 – now Data Science: Multiple Imputation in Practice, Utrecht University [Course coordinator]
- 2015 – now Data Science: Statistical Programming in R [Course coordinator]
- 2014 – 2016 Advanced Issues in Survey Design and Analysis  
2013 Survey Research: Statistical Analysis and Estimation

---

## Supervised students

- 2016 Rianne Schouten. Graduate thesis
- 2016 Xynthia Kavelaars. Graduate thesis
- 2016 Arnold Lau (Columbia University). Graduate thesis
- 2015 Lianne Rijnveld. Research Master paper
- 2015 Wouter Smink. Graduate thesis
- 2015 Tom Bergkamp. Undergraduate thesis
- 2015 Henk Jan Stevens. Graduate thesis
- 2014 Bo Kuiper. Graduate thesis
- 2014 Laura Boeschoten. Graduate thesis

---

## Phd students

- 2017 Rianne Schouten [ongoing project]

---

## Invited courses / workshops

- 2017 Introduction to R: How to get started, August 28, Utrecht
- 2017 Multiple imputation in R. RECSM / Pompeu Fabra, June 18-29, Barcelona, Spain.
- 2017 Statistical programming in R. NorthWest University, March 14-17, Vanderbijlpark, South Africa.

- 2017 Multiple imputation in practice[with Stef van Buuren]. ETH Zürich, February 23-24, Zürich, Switzerland.
- 2017 Missing value imputation[with Stef van Buuren]. University of Zürich, February 20-21, Zürich, Switzerland.
- 2016 Multiple Imputation in Practice. TU Berlin/Berlin HECOR [with Stef van Buuren], September 12-14, Berlin, Germany.
- 2015 Statistical programming with R. Radboud University, December 1, 2015, Nijmegen, the Netherlands.
- 2015 Applied multiple imputation in R [with Stef van Buuren]. Pre-conference course at the 2015 conference of the International Society for Clinical Biostatistics, August 23, 2015, Utrecht, the Netherlands.
- 2015 Handling missing data in R with MICE [with Stef van Buuren]. Tutorial course at the MissData conference. June 17, 2015, Rennes, France
- 2015 Applied multiple imputation with SPSS. Course within the Boerhaave Clinical Trials educational series. April 14, 2015, Leiden, the Netherlands
- 2015 Working with R: a full day crash-course. Pre-conference course for the 10th International Multilevel Conference, April 7, 2015, Utrecht, the Netherlands
- 2013 Incomplete data workshop: Flexible Imputation of Missing Data [with Shahab Jolani] , 1st Southern European Conference on Survey Methodology, December 2013, Barcelona, Spain
- 2013 Applied Multiple Imputation in R [with Stef van Buuren]. CE Course, Joint Statistical Meetings, Aug 4, 2013, Montreal, Canada
- 2013 Multiple imputation for multilevel data using MICE [with Stef van Buuren]. Pre-conference course. March 26, 2013, Utrecht
- 2011 Pre-conference workshop "How to deal with missing data" [with Stef van Buuren and Craig Enders]. Mplus user conference, October 2011, Utrecht (with invited contributions by Stef van Buuren and Craig Enders)

### Invited presentations

- 2017 ETH Zürich, Statistical symposium, February 22, Zürich, Switzerland
- 2016 Joint Statistical Meetings, August 2016, Chicago, IL, USA, topic contributed session
- 2015 Social Sciences M&S Power Snacks, November 2015, Utrecht, the Netherlands
- 2014 Annual symposium of the Dutch-speaking platform for survey research, 19 May 2014, Amsterdam, the Netherlands
- 2013 Meeting on multiple imputation of multilevel data, June 2013, London, UK
- 2011 Second meeting of the Dutch Mplus users group, May 2011, Utrecht, the Netherlands
- 2011 ISED research dagen 2011, November 2011, Utrecht, the Netherlands

### Contributed presentations

- 2015 10th International Multilevel Conference, April 2015, Utrecht, the Netherlands
- 2014 IOPS Graduate School Winter Conference, Amsterdam, the Netherlands

- 2014 Joint Statistical Meetings, August 2014, Boston, MA, USA
- 2014 European Congress of Methodology, July 2014, Utrecht, the Netherlands
- 2014 18th ISA world Congress of Sociology, July 2014, Yokohama, Japan
- 2013 1st Southern European Conference on Survey Methodology, December 2013, Barcelona, Spain
- 2012 Fifth European Congress of Methodology, July 2012, Santiago de Compostela, Spain
- 2010 CBS Methodologiedagen, Heerlen, the Netherlands

## Review activities

- 2017 – now R Journal
- 2017 – now PLOS
- 2016 – now MDPI Data
- 2015 – now European Journal on Criminal Policy and Research
- 2015 – now Journal of Educational and Behavioral Statistics
  - 2015 CRC Press / Taylor & Francis
  - 2014 Psychological Test and Assessment Modeling
  - 2013 Survey Methodology
  - 2012 Statistica Neerlandica
- 2010 – 2013 IOPS

## Editorships

- 2016 – now Recurring article editor for Sage Open

## Development

- 2016 – now AMPUTE in R. Author.
- 2015 – now BAMl: Benchmarking and Assessment for Multiple Imputation. Creator
- 2010 – now MICE in R. Contributing author with various algorithms and functions
- 2013 – 2015 correlate in R. Author
  - other Programming and Scripting experience: Python, R, Flash, HTML, C++, L<sup>A</sup>T<sub>E</sub>X

## Publications

- Boeschoten, L., **Vink, G.**, and Hox, J. (2017). How to obtain valid inference under unit non-response? *Journal of Official Statistics*, to appear.
- Reijntjes, A., Vermande, M., Olthof, T., Goossens, F. A., **Vink, G.**, Aleva, L., and van der Meulen, M. (2017). Differences between resource control types revisited: A short term longitudinal study. *Social Development*. ISSN 1467-9507. doi: 10.1111/sode.12257.
- Vink, G.** and van Buuren, S. (2017). micevignettes; flexible imputation with mice in r in a nutshell. <https://gerkovink.github.io/miceVignettes/>.
- Schouten, R. and **Vink., G.** (2017). Wrapper function parlmice: faster, paralleler, micer.

[https://gerkovink.github.io/parlMICE/Vignette\\_parlMICE.html](https://gerkovink.github.io/parlMICE/Vignette_parlMICE.html).

- Schouten, R., Lugtig, P., Brand, J., and **Vink, G.** (2017). Generating missing values with ampute. <https://github.com/RianneSchouten/mice/tree/master/vignettes>.
- Thijssen, J., **Vink, G.**, Muris, P., and de Ruiter, C. (2016). The effectiveness of parent management training—oregon model in clinically referred children with externalizing behavior problems in the netherlands. *Child Psychiatry & Human Development*, pages 1–15. doi: 10.1007/s10578-016-0660-5.
- Vink, G.**, Lazendic, G., and van Buuren, S. (2015). Partitioned predictive mean matching as a multilevel imputation technique. *Psychological Test and Assessment Modeling*, 57(4):577–594.
- Peeters, M., Zondervan-Zwijenburg, M., **Vink, G.**, and van de Schoot, R. (2015). How to handle missing data: A comparison of different approaches. *European Journal of Developmental Psychology*, (ahead-of-print):1–18.
- Sorbi, M., Kleiboer, A., van Silfhout, M., **Vink, G.**, and Passchier, J. (2015). Medium-term effectiveness of online behavioral training in migraine self-management: A randomized trial controlled over 10 months. *Cephalalgia*, 35(7):608–618.
- Vink, G.** (2015). *Restrictive Imputation of Incomplete Survey Data*. PhD thesis, Utrecht University.
- Vink, G.** and van Buuren, S. (2015). Multiple imputation of parent management training oregon model data. Technical report, Maastricht University.
- Vink, G.** and van Buuren, S. (2014). Pooling multiple imputations when the sample happens to be the population. *arXiv preprint arXiv:1409.8542*.
- Vink, G.**, Frank, L. E., Pannekoek, J., and van Buuren, S. (2014). Predictive mean matching imputation of semicontinuous variables. *Statistica Neerlandica*, 68(1):61–90.
- Vink, G.** and Van Buuren, S. (2013a). Multiple imputation of squared terms. *Sociological Methods & Research*, 42(4):598–607.
- Vink, G.** and Van Buuren, S. (2013b). Multiple imputation of longitudinal naplan data. Technical report, Australian Curriculum, Assessment and Reporting Authority.
- Vink, G.**, Hox, J. J. C. M., and van Buuren, S. (2013a). Report on bayesian estimation of social educational advantage. Technical report, Australian Curriculum, Assessment and Reporting Authority.
- Vink, G.**, Hox, J. J. C. M., and van Buuren, S. (2013b). Multiple imputation of the acara social educational advantage data. Technical report, Australian Curriculum, Assessment and Reporting Authority.
- Banning, R. and **Vink, G.** (2010). Methoden en indicatoren voor het evalueren en beschrijven van controle- en correctieprocessen. CBS nota DMV-2010- 06-08-RBNG-GVNK, Centraal Bureau voor de Statistiek.
- Vink, G.** (2007). Meervoudige beoordelaarsovereenstemming met cohen's kappa: Dubbelcodering van strategiegebruik en fouttypen bij vermenigvuldigingsopgaven in onafhankelijke databeoordelaarscombinaties. Technical report, Leiden University.