

# HANNE OBERMAN

Statistician, interdisciplinarian, open scientist



I am very passionate about 'dull' or 'difficult' topics such as statistics, programming, and philosophy of science. I'm motivated to use my enthusiasm and expertise to improve the quality of academic research and education. I aspire to (help others to) solve complex real-world problems that require insights from many disciplines and methodologies.

## EXPERIENCE

2024-current

- Junior assistant professor (PhD candidate and lecturer) [Methodology and Statistics](#) | Utrecht University | Utrecht | The Netherlands

2023-2024

- PhD candidate [Methodology and Statistics](#) | Utrecht University | Utrecht | The Netherlands

2020-2023

- Research and education officer [Methodology and Statistics](#) and [Julius Center for Health Sciences and Primary Care](#) | Utrecht University | Utrecht | The Netherlands

## EDUCATION

2023-current

- Graduate school [Interuniversity Graduate School of Psychometrics and Sociometrics \(IOPS\)](#) | IOPS | The Netherlands and Belgium

2018-2020

- MSc [Methodology and Statistics for the Behavioural, Biomedical and Social Sciences](#) | Utrecht University | Utrecht | The Netherlands

2018

- Post-graduate education [International Graduate Summer School of the Global Academy of Liberal Arts](#) | Concordia University | Montréal | Canada

2016-2018

- Honours degree [Descartes College](#) | Utrecht University | Utrecht | The Netherlands

2014-2018

- BSc [Liberal Arts and Sciences](#) | Utrecht University | Utrecht | The Netherlands

## ANCILLARY POSITIONS

2022-current

- Faculty ambassador [Open Science Community Utrecht](#), chair since 2025 | Utrecht | The Netherlands

2022-current

- Faculty Open Science Team [FOST](#) member, chair since 2024 | Utrecht University | Utrecht | The Netherlands

2021-2023

- Programme accreditation panel member [Nederlands-Vlaamse Accreditatieorganisatie \(NVAO\)](#) | Research master programmes in the social and behavioural sciences | The Netherlands

2019-2020

- Research assistant with [Dong Nguyen](#) and [Daniel Oberski](#) | Utrecht University | Utrecht | The Netherlands

2017-2020

- Teaching assistant in [Methodology & Statistics](#) and [Experimental Psychology](#) | Utrecht University | Utrecht | The Netherlands

2017-2022

- Representative in advisory bodies, e.g. student council [Liberal Arts and Sciences](#) | Utrecht University | Utrecht | The Netherlands

2016-2017

- Research internship with [Merel van Goch](#) | Utrecht University | Utrecht | The Netherlands

2014-2018

- Board member and committees for study association [USLAS Atlas](#) | Utrecht University | Utrecht | The Netherlands

## PUBLICATIONS

- Oberman, H. I., & Vink, G. (2024). Toward a standardized evaluation of imputation methodology. *Biometrical Journal*, 66(1), 2200107. <https://doi.org/10.1002/bimj.202200107>
- Oberman, H., van Harten, V., Rozsos, T., & Peeters, S. (2024). CODECHECK certificate 2024-021. Zenodo.
- Snel, E., Engbersen, G., de Boom, J., van De Heijden, P., & Oberman, H. (2024). *Ongelijke verdeling van de sociale gevolgen van de coronapandemie*. Erasmus Universiteit/Risbo.
- Oberman, H. (2024). *Measuring Open Science*. Liberate Science GmbH.
- Vink, G., Volker, T. B., Oberman, H. I., Shehwana, H., Cai, M., & Van Buuren, S. (2024). *A series of instructional vignettes for mice in R with applications to real and synthetic data*. Zenodo. <https://doi.org/10.5281/zenodo.12586939>
- Liu, D., Oberman, H. I., Muñoz, J., Hoogland, J., & Debray, T. P. A. (2023). Quality Control, Data Cleaning, Imputation. In F. W. Asselbergs, S. Denaxas, D. L. Oberski, & J. H. Moore (Eds.), *Clinical Applications of Artificial Intelligence in Real-World Data* (pp. 7–36). Springer International Publishing. [https://doi.org/10.1007/978-3-031-36678-9\\_2](https://doi.org/10.1007/978-3-031-36678-9_2)
- Snel, E., Engbersen, G., Van Der Heijden, P., & Oberman, H. (2023). Een longitudinale studie naar het afgenoem vertrouwen gedurende de coronapandemie. *Mens & Maatschappij*, 98(4), 369–394. <https://doi.org/10.5117/MEM2023.4.004.SNEL>
- van Veelen, R., de Haan, J., Oberman, H., Vink, P., & Nelson, J. (2023). *Open Science Monitor* 2022. Zenodo. <https://doi.org/10.5281/zenodo.8375726>
- Oberman, H. I. (2022). *{Ggmice}: Visualizations for ‘mice’ with ‘ggplot2’*. Zenodo. <https://doi.org/10.5281/zenodo.6532702>
- Oberman, H. I. (2021). Visualizing uncertainty due to missing data. *IEEE VIS, VisComm Track*. <https://doi.org/10.31219/osf.io/ahtfy>
- Oberman, H. I., Bakker, M., Nguyen, D., & Oberski, D. (2021). Preregistration of data science studies. *Open Science Festival*. <https://doi.org/10.17605/OSF.IO/Y6J73>
- Oberman, H. I., van Buuren, S., & Vink, G. (2021). *Missing the Point: Non-Convergence in Iterative Imputation Algorithms*. <https://arxiv.org/abs/2110.11951>
- Oberman, H. I., Buijen, S. van, & Vink, G. (2020, June). *Missing the Point: Non-Convergence in Iterative Imputation Algorithms*.
- Oberman, H. I., Nijman, S. W. J., Vink, G., Debray, T. P. A., & Smeden, M. van. (n.d.). *Real-time handling of missing data in the application of prediction models: A comparison of methods*.

## TEACHING AND SUPERVISION

### THESIS SUPERVISION

2023-current

- Research Master thesis Methodology and Statistics for the Behavioural, Biomedical and Social Sciences, co-supervision of 1 student (2023-2024, 2024-2025)

2020-2022

- Master thesis Applied Data Science 'Research Project GSNS', co-supervision of 3 students (2020-2021), supervision of 3 students (2021-2022)

### MISSING DATA METHODOLOGY

2021-current

- 'Missing Data and Causal Effects' (advanced undergraduate), lectures (2023-2024, 2024-2025), work groups and grading (2021-2022, 2022-2023, 2024-2025)

### PROGRAMMING AND APPLIED DATA SCIENCE

2024-2025

- 'Data Wrangling and Data Analysis' (academic master), supervising practicals and grading (2024-2025)

2022-current

- 'Statistical Programming with R' (summer school), guest lecture (2022-2023, 2023-2024)

2021-current

- 'Markup Languages and Reproducible Programming in Statistics' (research master), lectures (2023-2024, 2024-2025), guest lecture (2021-2022, 2022-2023), grading (2022-2023, 2023-2024, 2024-2025)

2020-current

- Applied Data Analysis and Visualization (advanced undergraduate), guest lecture (2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025), work groups and grading (2020-2021)

2017-2018

- 'Practicum cognitieve en neurobiologische psychologie' (advanced undergraduate), supervising practicals (2017-2018)

2016-2017

- 'Experimenting and registering' (advanced undergraduate), supervising practicals (2016-2017)

### QUALITATIVE RESEARCH METHODOLOGY

2020-2022

- 'Technieken voor analyse kwalitatieve en kwantitatieve gegevens (TAK)' (advanced undergraduate), supervising practicals (2020-2021, 2021-2022)

2018-2019

- 'Advanced Research Methods and Statistics' (advanced undergraduate), developing assignments, grading, teaching work groups, and supervising practicals (2018-2019)

2018-2019

- 'Doing a Qualitative Research Project' (advanced undergraduate), developing assignments, lecturing, teaching work groups, and supervising practicals (2018-2019)

2018-2019

- 'Qualitative Inquiry in Everyday Life (MET24)' (advanced undergraduate), teaching work groups and supervising practicals (2018-2019)

### METHODOLOGY AND STATISTICS

2024-current

- 'Kennismaking met onderzoeksmethoden en statistiek' (introductory undergraduate), teaching work groups (2024-2025)

2020-current

- 'Verdieping Onderzoeksmethoden en Statistiek' (advanced undergraduate), teaching work groups, and grading (2020-2021, 2022-2023, 2023-2024, 2024-2025)

2021-2022

- 'Basis van Onderzoeksmethoden en Statistiek' (pre-master), teaching work groups, grading, and test organization (2021-2022)

2021-2022

- 'Bachelorthesis Pedagogische Wetenschappen' (advanced undergraduate), consultancy in methodology & statistics labs (2021-2022)

2020-2022

- 'Advanced Research Methods and Statistics' (advanced undergraduate), teaching work groups, grading, and test organization (2020-2021, 2021-2022)

2017-2018

- 'Toepassing van onderzoeksmethoden en statistiek' (elaborating undergraduate), practicals (2017-2018)

### CONFERENCES

2024

- Poster, 'Teaching Reproducibility to Research Master's Students', [NLRN](#), Groningen, The Netherlands

2024

- Tutorial, 'Missing data exploration, imputation, and evaluation', [useR!](#), Salzburg, Austria

2024

- Tutorial, 'Open (your) Science Using the Statistical Package [JASP](#)', [EMLAR](#), Utrecht, The Netherlands

2024

- Presentation, 'Data visualization for incomplete datasets in [R](#)', Annual Meeting [VVSOR](#), Utrecht, The Netherlands

2023

- Presentation, 'Towards a standardized evaluation of imputation methodology: potential pitfalls in simulation studies and a proposed course of action', European Congress of Methodology [EAM](#), Ghent, Belgium

2023

- Poster presentation, 'Visualization of incomplete and imputed data with the [R](#) package [ggmice](#)', Summer Conference [IOPS](#), Tilburg, The Netherlands

2021

- Late-breaking work in progress, 'Visualizing Uncertainty Due to Missing Data', IEEE VIS workshop 'VisComm: Visualization for Communication' [VIS2021](#), online

2021

- Community led session, 'Pre-registration of Data Science Studies', Open Science Festival [OSF2021NL](#), online

2020

- Presentation, 'Missing the Point: Non-Convergence in Iterative Imputation Algorithms', International Conference on Machine Learning (ICML) workshop 'ARTEMIS: The Art of Learning with Missing Values' [ICML](#), online

2019

- Pre-study poster presentation, 'ShinyMICE: Developing a Missing Data Evaluation Suite (Master's Thesis Methodology and Statistics)', Society for the Improvement of Psychological Science (SIPS) conference [SIPS2029](#), Rotterdam, The Netherlands

2018

- Showcase, 'Creativity and the Liberal Arts', Global Academy of Liberal Arts (GALA) Annual Conference [GALA](#), Montréal, Canada

2018

- Invited talk, 'Creating Creativity? Assessing adaptive expertise in Liberal Education students', European Liberal Education Student Conference [LESC](#), Utrecht, The Netherlands

2016

- Poster presentation, 'Assessing Adaptive Expertise in Higher Education Students', Utrecht Platform for Creativity in Education (UPCE) conference [UPCE](#), Utrecht, The Netherlands

2016

- Workshop, 'The interdisciplinary research process in practice', National Interdisciplinary Education (NIE) Conference [NIE](#), Amsterdam, The Netherlands

## GRANTS AND AWARDS

---

2023

- Project, 'MICE ONLINE: A new service to solve missing data problems', [Open Science Fund](#), Utrecht University, Utrecht, The Netherlands

2022

- Project, 'dessert: an automated tool for transparent and reproducible scientific reporting', [Open Science Fund](#), Utrecht University, Utrecht, The Netherlands

2019

- Best poster, 'Will You Publish Null Papers?', Social and Behavioural Sciences Graduate Poster Fair, Utrecht University, Utrecht, The Netherlands

2018

- Fellowship award, Global Academy of Liberal Arts Annual Conference 'Creativity and the Liberal Arts' (HUMA 887), Concordia University, Montréal, Canada

## PROFESSIONAL MEMBERSHIPS AND SERVICE

---

- The Society for the Improvement of Psychological Science [SIPS](#)
- Netherlands Society for Statistics and Operations Research [VVSOR](#)
- Interuniversity Graduate School of Psychometrics and Sociometrics [IOPS](#)
- Open Science Community Utrecht [OSCU](#)
- [rainbowR](#)
- [R contributors](#)
- Peer-review for e.g. [Biomedical Journal](#) and [Statistica Neerlandica](#)
- [Statistical consulting](#)