

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

- (Junior) assistant professor¹ Methodology and Statistics | Utrecht University | Utrecht | The Netherlands 2024-permanent
- PhD candidate Methodology and Statistics | Utrecht University | Utrecht | The Netherlands 2023-current
- Research and education officer Methodology and Statistics and Julius Center for Health Sciences and Primary Care | Utrecht University | Utrecht | The Netherlands 2020-2023

EDUCATION

- Graduate school Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS) | IOPS | The Netherlands and Belgium 2023-current
- MSc Methodology and Statistics for the Behavioural, Biomedical and Social Sciences | Utrecht University | Utrecht | The Netherlands 2018-2020
- Post-graduate education International Graduate Summer School of the Global Academy of Liberal Arts | Concordia University | Montréal | Canada 2018
- BSc Liberal Arts and Sciences and honours degree Descartes College | Utrecht University | Utrecht | The Netherlands 2014-2018

ANCILLARY POSITIONS

- 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 2022-current
- Programme accreditation panel member Nederlands-Vlaamse Accreditatieorganisatie (NVAO) | Research master programmes in the social and behavioural sciences | The Netherlands 2021, 2023
- Research assistant with Dong Nguyen and Daniel Oberski | Utrecht University | Utrecht | The Netherlands 2019-2020
- Teaching assistant in Methodology & Statistics and Experimental Psychology | Utrecht University | Utrecht | The Netherlands 2017-2020
- Representative in advisory bodies, e.g. student council Liberal Arts and Sciences | Utrecht University | Utrecht | The Netherlands 2017-2022
- Research internship with Merel van Goch | Utrecht University | Utrecht | The Netherlands 2016-2017
- Board member and committees for study association USLAS Atlas | Utrecht University | Utrecht | The Netherlands 2014-2018

GRANTS AND AWARDS

- Project, 'MICE ONLINE: A new service to solve missing data problems', Open Science Fund, Utrecht University, Utrecht, The Netherlands 2023

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

- Dutch science communication association [SciComNL](#)
- 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](#)

TEACHING AND SUPERVISION

I am passionate about teaching and in the process of obtaining a university teaching qualification ('BKO'). I enjoy teaching a wide range of topics, from introductory statistics to advanced data science, and from qualitative research methodology to missing data methodology.

THESIS SUPERVISION

- Research Master thesis Methodology and Statistics for the Behavioural, Biomedical and Social Sciences, co-supervision of 1 student (2023-2024, 2024-2025) 2023-current
- Master thesis Applied Data Science ‘Research Project GSNS’, co-supervision of 3 students (2020-2021), supervision of 3 students (2021-2022) 2020-2022

MISSING DATA METHODOLOGY

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

PROGRAMMING AND APPLIED DATA SCIENCE

- ‘Data Wrangling and Data Analysis’ (academic master), supervising practicals and grading (2024-2025) 2024-2025
- ‘Statistical Programming with R’ (post-graduate), guest lecture (2022-2023, 2023-2024) 2022-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) 2021-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) 2020-current
- ‘Practicum cognitieve en neurobiologische psychologie’ (advanced undergraduate), supervising practicals (2017-2018) 2017-2018
- ‘Experimenting and registering’ (advanced undergraduate), supervising practicals (2016-2017) 2016-2017

QUALITATIVE RESEARCH METHODOLOGY

- ‘Technieken voor analyse kwalitatieve en kwantitatieve gegevens (TAK)’ (advanced undergraduate), supervising practicals (2020-2021, 2021-2022) 2020-2022
- ‘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) 2018-2019

METHODOLOGY AND STATISTICS

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

- 'Verdieping Onderzoeksmethoden en Statistiek' (advanced undergraduate), teaching work groups, and grading (2020-2021, 2022-2023, 2023-2024, 2024-2025) 2020-current
- '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) 2021-2022
- 'Advanced Research Methods and Statistics' (advanced undergraduate), teaching work groups, grading, and test organization (2020-2021, 2021-2022) 2020-2022
- 'Toepassing van onderzoeksmethoden en statistiek' (elaborating undergraduate), practicals (2017-2018) 2017-2018

PUBLICATIONS

- Oberman, H. (2024). *Measuring Open Science*. <https://doi.org/10.53962/tn38-4q91>
- 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. <https://doi.org/10.5281/zenodo.14261193>
- 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.
- 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
- Snel, E., Engbersen, G., Van Der Heijden, P., & Oberman, H. (2023). Een longitudinale studie naar het afgenoemde 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., 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*.

CONFERENCES

- 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 2024
- 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 2023
- 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 2021
- Presentation, 'Missing the Point: Non-Convergence in Iterative Imputation Algorithms', International Conference on Machine Learning (ICML) workshop 'ARTEMISS: The Art of Learning with Missing Values' ICML, online 2020

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

FOOTNOTES

1. Currently: permanent position as junior assistant professor (combined PhD candidate-lecturer role); after completion of PhD: permanent position as assistant professor e