

MAXIMILIAN LINDE

Unit: Psychometrics and Statistics
Department: Psychology
Faculty: Behavioural and Social Sciences
University of Groningen
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PERSONAL

Born on August 14, 1992, in Hameln, Germany

EDUCATION

SEP 2019–NOW	PhD in Statistics University of Groningen, The Netherlands
SEP 2017–AUG 2019	MSc in Behavioural and Cognitive Neurosciences (Cognitive Neurosciences and Modelling) University of Groningen, The Netherlands GPA: 8.5 (cum laude)
SEP 2013–AUG 2016	BSc in Psychology University of Groningen, The Netherlands GPA: 9.2 (summa cum laude)
SEP 2013–AUG 2014	Propedeutic Examination BSc in Psychology University of Groningen, The Netherlands GPA: 9.0 (summa cum laude)

EMPLOYMENT

SEP 2019–NOW	PhD in Statistics University of Groningen, The Netherlands
SEP 2018–AUG 2019	Student assistant Statistical and methodological consultant University of Groningen, The Netherlands

COMPUTER SKILLS

Programming R, Python, Matlab, SQL, C, C++, Java

Markup \LaTeX , Markdown, HTML, CSS

Statistical software JASP, SPSS, G*Power, Stan, JAGS

Other Linux, bash, Git(Hub), Shiny

TEACHING

FEB 2022–JUL 2022	Statistics 3 (BSc) Statistical consultation; grading reports University of Groningen, The Netherlands
SEP 2021–FEB 2022	Statistics 2 (BSc) Practicals on how to conduct statistical analyses in JASP University of Groningen, The Netherlands
SEP 2021–NOV 2021	Advanced Statistics (MSc) Practicals on how to program in R University of Groningen, The Netherlands
FEB 2021–JUL 2021	Statistics 3 (BSc) Statistical consultation; grading reports University of Groningen, The Netherlands
SEP 2020–FEB 2021	Statistics 2 (BSc) Practicals on how to conduct statistical analyses in JASP University of Groningen, The Netherlands
SEP 2020–NOV 2020	Advanced Statistics (MSc) Practicals on how to program in R University of Groningen, The Netherlands
FEB 2020–JUL 2020	Research Practicum (BSc) Practicals for a group of 6 students; grading reports University of Groningen, The Netherlands
FEB 2020–JUL 2020	Statistics 3 (BSc) Statistical consultation; grading reports University of Groningen, The Netherlands
SEP 2019–NOV 2019	Cognitive Psychology (BSc) Lectures/seminars for a group of 32 students; grading exams University of Groningen, The Netherlands

PRIZES

MAR 2022	Snijders-Kouwer prize Best PhD student paper of 2021 for “Linde, M., Tendeiro, J. N., Selker, R., Wagenmakers, E.-J., & van Ravenzwaaij, D. (2021). Decisions about equivalence: A comparison of TOST, HDI-ROPE, and the Bayes factor (2021). <i>Psychological Methods</i> . https://doi.org/10.1037/met0000402 ” University of Groningen, The Netherlands
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PRESENTATIONS & WORKSHOPS

- MAR 2022 Decisions about equivalence: A comparison of TOST, HDI-ROPE, and the Bayes factor
Presentation for Snijder-Kouwer prize
University of Groningen, The Netherlands
- NOV 2021 Bayesian testing of equivalence, non-inferiority, and superiority with baymedr
Workshop together with Don van Ravenzwaaij
Nothing But The Truth conference
- JUL 2021 baymedr: An R package for the calculation of Bayes factors for equivalence, non-inferiority, and superiority designs
Presentation
Conference of the International Society for Clinical Biostatistics
- JUL 2021 Decisions about equivalence: A comparison of TOST, HDI-ROPE, and the Bayes factor
Presentation
Conference of the Society of Mathematical Psychology
- OCT 2019 Bayesian hypothesis testing
Workshop together with Don van Ravenzwaaij
Research School of Behavioural and Cognitive Neurosciences, University of Groningen, The Netherlands

PUBLICATIONS

- 2021 Field, S. M., Hoek, J. M., de Vries, Y. A., Linde, M., Pittelkow, M., Muradchanian, J., & van Ravenzwaaij, D. (2021). Rethinking Remdesivir for COVID-19: A Bayesian reanalysis of trial findings. *PLOS ONE*, *16*, e0255093.
- IN PRESS Heck, D. W., Boehm, U., Böing-Messing, F., Bürkner, P., Derks, K., Dienes, Z., . . . , Hoijtink, H. (in press). A review of applications of the Bayes factor in psychological research. *Psychological Methods*. <https://doi.org/10.1037/met0000454>
- Linde, M., Tendeiro, J. N., Selker, R., Wagenmakers, E.-J., & van Ravenzwaaij, D. (in press). Decisions about equivalence: A comparison of TOST, HDI-ROPE, and the Bayes factor. *Psychological Methods*. <https://doi.org/10.1037/met0000402>
- Linde, M., & van Ravenzwaaij, D. (in press). Bayes factor model comparisons across parameter values for mixed models. *Computational Brain & Behavior*. <https://doi.org/10.1007/s42113-021-00117-y>

Linde, M., Tendeiro, J. N., Wagenmakers, E.-J., & van Ravenzwaaij, D. (in press). Practical implications of equating equivalence tests: Reply to Campbell and Gustafson (2022). *Psychological Methods*. Preprint available at <https://psyarxiv.com/xk43y/>

SUBMITTED Linde, M., Tendeiro, J. N., & van Ravenzwaaij, D. (2022). Bayes factors for two-group comparisons in Cox regression. Manuscript submitted for publication. Preprint available at <https://www.medrxiv.org/content/10.1101/2022.11.02.22281762>

Linde, M., & van Ravenzwaaij, D. (2022). baymedr: An R package and web application for the calculation of Bayes factors for superiority, equivalence, and non-inferiority designs. Manuscript submitted for publication. Preprint available at <https://arxiv.org/abs/1910.11616>

van Doorn, J., Haaf, J. M., Stefan, A. M., Wagenmakers, E.-J., Cox, G. E., Davis-Stober, C. P., Heathcote, A., Heck, D. W., Kalish, M., Kellen, D., Matzke, D., Morey, R. D., Nicenboim, B., van Ravenzwaaij, D., Rouder, J. N., Schad, D. J., Shiffrin, R. M., Singmann, H., Vasisht, S., Veríssimo, J., Bockting, F., Chandramouli, S., Dunn, J. C., Gronau, Q. F., Linde, M., McMullin, S. D., Navarro, D., Schnuerch, M., Yadav, H., & Aust, F. (2022). Bayes factors for mixed models: A discussion. Manuscript submitted for publication. Preprint available at <https://psyarxiv.com/yjs95/>

Neumann, M., Niessen, A. S. M., Linde, M., Tendeiro, J. N., & Meijer, R. R. (2022). When and why decision makers use algorithms in personnel selection: Stakeholder perceptions, use intentions, and predictive validity. Manuscript submitted for publication. Preprint available at <https://psyarxiv.com/743hn/>

SOFTWARE

R PACKAGES Linde, M., van Ravenzwaaij, D., & Tendeiro, J. N. (2021). baymedr: Computation of Bayes factors for common biomedical designs. R package version 0.1.1-9000. Retrieved from <https://github.com/maxlinde/baymedr>

SHINY APP A web application accompanying the R package baymedr. This app is available at <https://maxlinde.shinyapps.io/baymedr>

CONFERENCES

JUN 2022	IOPS Summer Conference Leuven
DEC 2021	IOPS Winter Conference online
NOV 2021	Nothing But The Truth Conference Groningen
JUL 2021	International Society for Clinical Biostatistics online
JUL 2021	IOPS Summer Conference online
JUL 2021	Society of Mathematical Psychology online
DEC 2020	IOPS Winter Conference online
DEC 2019	Replication Day Utrecht Utrecht
NOV 2019	Meta-Research Day Tilburg Tilburg

REVIEWING FOR

- Journal of Trial and Error
- Computational Brain and Behavior

FURTHER EDUCATION

NOV 2020–DEC 2020	Statistical Consulting to Behavioral Scientists (IOPS) University of Amsterdam & Leiden University (online)
OCT 2020–DEC 2020	Optimization and Numerical Methods (IOPS) Catholic University Leuven (online)
OCT 2020–NOV 2020	Mathematical Statistics (IOPS) University of Groningen (online)
SEP 2020	What is Psychometrics? (IOPS) University of Amsterdam (online)
JUN 2020	Introduction to Bayesian Modeling (SMiP/IOPS) Mannheim University (online)
JUN 2020	Advanced Topics in R (SMiP/IOPS) Mannheim University (online)
JAN 2020	Statistical Learning (IOPS) Leiden University