

Louis Schiekiera

PSYCHOLOGIST (M.Sc.) · DATA SCIENTIST

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Professional Experience

- Research Assistant.** COMPUTATIONAL MODELING GROUP, INSTITUTE FOR PSYCHOLOGY, HUMBOLDT UNIVERSITÄT ZU BERLIN, Berlin, Germany.
October 2024 - now
TASKS: Conceptualization and implementation of the *computational Swinging Lexical Network* model. Modeling in the intersection of psycholinguistics, machine learning and cognitive science..
- Research Assistant.** DIVISION OF CLINICAL PSYCHOLOGICAL INTERVENTION, FREIE UNIVERSITÄT BERLIN, Berlin, Germany.
Nov 2023 - April 2024
TASKS: Utilizing machine learning, scientometrics and behavioral online methods for meta research.
- Student Research Assistant.** DIVISION OF CLINICAL PSYCHOLOGICAL INTERVENTION, FREIE UNIVERSITÄT BERLIN, Berlin, Germany.
Dec 2021 - Oct 2023
TASKS: Programming experiments, machine learning and statistics for meta research.
- Student Research Assistant.** INSTITUTE FOR MEDICAL PSYCHOLOGY, UNIVERSITY MEDICAL CENTER HAMBURG-EPPENDORF, Hamburg, Germany.
Jun 2019 - Feb 2021
TASKS: Statistical modelling for a research project on pediatric psychooncology .
- Student Research Assistant.** INSTITUTE FOR MEDICAL SOCIOLOGY, UNIVERSITY MEDICAL CENTER HAMBURG-EPPENDORF, Hamburg, Germany.
Oct 2018- Oct 2019
TASKS: Mixed methods for a research project on heart failure diagnostics in family doctor care.
- Student Research Assistant.** DEPARTMENT OF GENERAL SOCIOLOGY AND THEORY OF MODERN SOCIETIES, TECHNICAL UNIVERSITY OF BERLIN, Berlin, Germany.
Jun 2018 - Apr 2019
TASKS: Literature management and text editing.
- Intern.** BERLINER STADTMISSION, HAUS LEO, Berlin, Germany.
Jan 2018 - Mar 2018
TASKS: Social work with refugees with special protection needs.

Education

- PhD Psychology.** FREIE UNIVERSITÄT BERLIN, Berlin, Germany.
Dec 2024 - now
THESIS: Understanding Publication Bias Using Large Language Models and Behavioral Methods.
- MSc Psychology.** UNIVERSITY OF POTSDAM, Potsdam, Germany.
Oct 2021 - Oct 2023
THESIS: Abstract Classification for Publication Bias Research in Clinical Psychology Using Natural Language Processing
FINAL GRADE: 1.1 - *with distinction*.
- BSc Psychology.** UNIVERSITY OF HAMBURG, Hamburg, Germany.
Oct 2018 - Sep 2021
THESIS: Parental Quality of Life After the Child's Intensive Therapy: A Longitudinal Study on Parents of Pediatric Cancer Patients
FINAL GRADE: 1.4 - *excellent*.
- BA Sociology and Technology Studies.** TECHNICAL UNIVERSITY OF BERLIN, Berlin, Germany.
Oct 2014 - Jul 2018
MINOR: Human Factors Engineering
THESIS: Medicalization of homelessness? On the discursive construction of the connection between traumatic brain injury and homelessness
FINAL GRADE: 1.3 - *excellent*.

Technical Skills

Programming Languages	R, Python, JavaScript, MATLAB
Machine Learning	scikit-learn, PyTorch, nltk, Transformers, HuggingFace
Statistical/Data Analysis	lme4, lavaan, tidyverse, pandas, statsmodels, SPSS
Experimental Design	jpspsych, PsychToolBox
Other Skills	Git (GitLab, Github), SLURM, HTML, CSS, LaTeX, Illustrator, Photoshop

Machine Learning Models

	HuggingFace. <code>NEGATIVERESULTDETECTOR</code> . Fine-tuned SciBERT text classification model for positive and negative results prediction in scientific abstracts of clinical psychology and psychotherapy. Link: https://huggingface.co/ClinicalMetaScience/NegativeResultDetector .
Sep 2023	

Languages

German	Native Speaker
English	Fluent
Italian	Intermediate
Spanish	Intermediate
Portuguese	Elementary
Arabic	Basic

Publications

PUBLISHED

Schiekiera, L., Diederichs, J. & Niemeyer, H. (2024).- Classifying Positive Results in Clinical Psychology Using Natural Language Processing. Topical Issue: Natural Language Processing in Psychology. *Zeitschrift für Psychologie*. doi: 10.1027/2151-2604/a000563

Peikert, M. L., Inhestern, L., Krauth, K. A., Escherich, G., Rutkowski, S., Kandels, D., **Schiekiera, L.** & Bergelt, C. (2021). Fear of progression in parents of childhood cancer survivors: prevalence and associated factors. *Journal of Cancer Survivorship*, 1-11. doi: 10.1007/s11764-021-01076-w

ACCEPTED

Schiekiera, L., Eichel, K., Sachse, J., Müller, S., Hesselmann, F. & Niemeyer, H. (2025, registered report with in principal acceptance). Publication Bias in Academic Decision Making in Clinical Psychology. *Advances in Methods and Practices in Psychological Science*.

Schiekiera, L., & Niemeyer, H. (2025, conditionally accepted). Is Partisan Bias present in Historiography? An Experimental Investigation of Preferences for Publication as a Function of Political Orientation. *F1000 Research*.

IN PEER REVIEW

Schiekiera, L., & Niemeyer, H. (2025). Positive Results and Academic Productivity in German Clinical Psychology.

IN PREPARATION

Schiekiera, L., & Niemeyer, H. (2025). Publication Bias in Large Language Models.

Practical Certificates _____

Certificate for PTSD Diagnostics. UNITED STATES DEPARTMENT OF VETERANS AFFAIRS, VETERANS
Sep 2022 HEALTH ADMINISTRATION.
Clinician-Administered PTSD Scale for DSM-5 (CAPS-5) Clinician Training (Online).