

Jonathan Koop

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About Me

As a student with an interdisciplinary background, I work at the intersection of behavioral, biomedical, and social sciences, specializing in quantitative methodologies for improving substantive research. Originally from sociology, the Research Master in Methodology and Statistics at Utrecht University has thus far given me deep insights and opportunities to implement and advance quantitative analysis strategies in the different fields. With these tools in hand, I am well equipped to develop innovative methods to answer pressing social science research questions.

Education

MSc Methodology and Statistics for the Behavioural, Biomedical and Social Sciences (Expected Graduation: June 2025) 2023–2025

Utrecht University – Projected GPA: **8.8** (\approx US 4.0; Highest = 10.0, Lowest = 1.0)

- Courses: Survey Data Analysis; Multivariate Statistics; Fundamentals of Statistics; Computational Inference with R; Introduction to Multilevel Modelling and Psychometrics; Causal Inference and Structural Equation Modelling; Bayesian Statistics; Introduction to Biomedical Statistics
- Tracks: Contemporary Psychometrics & Applied Data Science
- Thesis: *Refining Relational Event Models: Bayesian Penalization and Variable Selection in REMs*
- Cohort's Representative to the Programme Advisory Committee & Programme's Student Representative to the Educational Committee

BA Sociology (120 EC) with Minor Field of Studies Statistics (60 EC) 2019–2023

LMU Munich – GPA: **1.1** (Sociology)/ **1.0** (Statistics) (\approx US 4.0; Highest = 1.0, Lowest = 5.0)

- Best Sociology Graduate (Winter Term 2023); ranked among the top two for all graduates from Winter Term 2021 to Winter Term 2023
- Thesis: *Gender Division of Labor in East and West Germany* (Grade: 1.0)

Study Abroad

2022

Singapore Management University

- Courses: Big Data Analytics; InterAsian Mobilities; Social Networks

Professional Experience

Research Assistant for D3I (Digital Data Donation Infrastructure) 2024–Present

Utrecht University

- Working in a large scale inter-university research team
- Development of the [project's website](#) with Jekyll
- Assistance in the organization of the [Data Donation Symposium 2024](#)
- **Reference:** [Dr. Laura Boeschoten](#), [Dr. Niek de Schipper](#)

Research Assistant for Dr. Bella Struminskaya 2024–Present

Utrecht University

- Conducting an extensive literature review on smartphone applications for Ecological Momentary Assessment (EMA) and co-authoring a research paper on the current landscape
- **Reference:** [Dr. Bella Struminskaya](#)

Teaching Assistant for “Introduction to digital trace data: Quality, ethics, and analysis” 2024

Utrecht University

- Created Jupyter Notebook practicals for [Digital Trace Data course](#)
- Co-developed [Digital Footprint Explorer](#) for students

- **Reference:** [Dr. Laura Boeschoten](#), [Dr. Javier Garcia Bernardo](#)

Teaching Assistant for *Utrecht Summer School: “Survey Research: Statistical Analysis and Estimation”*

2024

Utrecht University

- Created and developed Quarto Markdown practicals for summer school participants
- Assisted participants during the practicals
- **Reference:** [Dr. Bella Struminskaya](#), [Dr. Camilla Salvatore](#), [Prof. Dr. Daniel Oberski](#)

Intern at Bavarian State Institute for Higher Education Research and Planning

2023

IHF Munich

- Developed methodological strategy (i.e., matching approaches) for research paper estimating the effect of buddy programs on international students at German universities
- **Reference:** [Dr. Susanne Falk](#), [Dr. Theresa Thies](#)

Teaching Assistant for “Statistics I for Minor Students”

2022-2023

Ludwig-Maximilians-University Munich

- Implemented and taught weekly tutorial for an introductory lecture to statistics for students of sociology, statistics as a minor subject and media informatics in the winter term 2022/23
- **Reference:** [Dr. Anna-Carolina Haensch](#)

Intern in Quantitative Market Research

2021

Kantar GmbH

- Participation in the organization and analysis of international customer satisfaction and customer retention studies
- **Reference:** Manuel Frei

Research Assistant for Prof. em. Dr. Christoph Köhler

2020-2021

Munich

- Assistance in an election analysis based on data from the Munich Election Atlas and other data from the City of Munich’s Statistical Office
- **Reference:** [Prof. em. Dr. Christoph Köhler](#)

Voluntary Activities

Utrecht Social Science Synapse — Board Member of the Study Association for Research Master Students at the Faculty of Social and Behavioural Sciences at Utrecht University

Programming

Languages: R (Proficient), Stata (Advanced), Mplus (Advanced), Python (Intermediate), SQL (Intermediate), C++ (Beginner)

Tools: Git, L^AT_EX, JASP, SPSS

Languages

German: Mother Tongue, **English:** C1 (CAE & TOEFL), **Spanish:** B2, **Dutch:** B2

Scholarships

Max Weber Program (2021–Present) — Awarded by the State of Bavaria for outstanding academic achievement and social commitment and carried out by the [German Academic Scholarship Foundation](#) (~€20,000; awarded to ~0.5% of students)

- Participation in Summer Schools (e.g., “*Natural Language Processing*” with Annette Hautli-Janisz), Soft Skill Seminars and Language Courses (Spanish B1 and B2)

LMUexchange and PROSA LMU (2022) — Funding by the Ludwig Maximilian University of Munich for Study Abroad in Singapore (~€10,000)