

# 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 quantitative analysis strategies in the different fields. With these tools in hand, I am well equipped to answer pressing social science research questions in innovative ways.

## Education

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

*Utrecht University – Projected GPA: 8.8*

- 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

*Ludwig-Maximilians-University Munich – GPA: 1.1 (Sociology)/ 1.0 (Statistics)*

- Courses: Introduction to Sociology; Social Structure Analysis; Statistics 1; General Sociological Theories; Introduction to Mathematics; Statistics 2; Introduction to the Methods of Quantitative Social Research; Rational Choice Theory; Applied Data Analysis; Introduction to the Methods of Qualitative Social Research; Labor Market and Family; Social Inequality and Social Policy; Online Ethnography; Attitudes toward Immigration; Selected aspects of social structure analysis; Quantitative Research Internship; Economic and Social Statistics; Sampling Theory; Statistics 3; Advanced Statistical Software; Statistics 4; Regression Method: Quantitative Research Internship; Introduction to Simulation Studies
- Thesis: *Gender Division of Labor in East and West Germany* (1.0)

## Study Abroad

2022

*Singapore Management University*

- Scholarships: *LMUexchange*, *PROSA LMU*
- Courses: Big Data Analytics; InterAsian Mobilities; Social Networks

## Professional Experience

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

*Utrecht University*

- Created Jupyter Notebook practicals for [Digital Trace Data course](#) [↗](#)
- Collaborated in development of [Digital Footprint Explorer](#) [↗](#) for students
- Reference: Laura Boeschoten, Javier Garcia Bernardo

## Research Assistant for D3I

2024–Present

*Utrecht University*

- Collaboration in providing a data donation infrastructure to applied researchers
- Collaboration in the development of the [project's website](#) [↗](#)
- Reference: Laura Boeschoten, Niek de Schipper

## Research Assistant for Bella Struminskaya

2024–Present

*Utrecht University*

- Collaboration in research on and development of smartphone applications for Ecological Momentary Assessment (EMA)
- Reference: Bella Struminskaya

**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
- Assistance to participants during the practicals
- Reference: Bella Struminskaya, Camilla Salvatore, Daniel Oberski

**Intern at Bavarian State Institute for Higher Education Research and Planning**

2023

*IHF Munich*

- Developed methodological strategy for research paper on buddy programs for international students in Germany
- Reference: Susanne Falk, Theresa Thies

**Teaching Assistant for “Statistics I for Minor Students”**

2022-2023

*Ludwig-Maximilians-University Munich*

- Implementation and teaching of the 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: 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: Christoph Köhler

## Voluntary Activities

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**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

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**Languages:** R, Stata, Git, L<sup>A</sup>T<sub>E</sub>X, Python, SQL

## Languages

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

## Scholarships

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**Max Weber Program (2021–Present)** — Awarded by the State of Bavaria for outstanding academic achievement and social commitment.

- Participation in Summer Schools (“*Natural Language Processing*“ with Annette Hautli-Janisz; “*AI Governance – A perfect State without HR factors?*“ with Philipp Häusser and Leonie Neuhäuser)
- Participation in Soft Skill Seminars (“Presentation Skills“; “Paths to a Well-Sounding Voice“)
- Participation in Language Courses (Spanish B1 and B2)