

Jan-Ole Koslik

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EDUCATION

PhD in Statistics Bielefeld University, Germany	2023 – today
MSc Statistical Science Bielefeld University, Germany <i>Grade: 1.0; graduated first of my class</i>	2021 – 2023
BSc Economics (intermediate studies) Bielefeld University, Germany	2020 – 2021
Study Abroad Budapest Business School, Hungary	2019
BA Business Administration Bielefeld University of Applied Sciences, Germany <i>Grade: 1.4</i>	2017 – 2020

EMPLOYMENT

Research Associate Statistics and Data Analysis Group Bielefeld University, Germany	2023 – today
Research Assistant Statistics and Data Analysis Group Bielefeld University, Germany	2022 – 2023
Working Student Pricing Intelligence CLAAS KGaA mbH, Germany	2021 – 2022
Intern Market Intelligence CLAAS KGaA mbH, Germany	2020

PUBLICATIONS

- Michels, R., **Koslik, J.-O.** (2024). On the combination of data smoothing and Markov-switching models. *Journal of the Royal Statistical Society – Series C: Applied Statistics*, qlad110.

PREPRINTS

Koslik, J.-O., Feldmann, C.C., Mews, S., Michels, R., Langrock, R. (2023). Inference on the state process of periodically inhomogeneous hidden Markov models for animal behaviour. Preprint, arXiv:2312.14583.

Dyck, J., **Koslik, J.-O.**, Sauzet, O. (2023). EgoCor: an R package to fit exponential semi-variograms to model the local spatial correlation structure of health outcomes. Preprint, arXiv:2309.12979.

TEACHING

Workshops

Using hidden Markov models to uncover ecological state dynamics from biologging data
One-day workshop in Tokyo, Japan. March 2024

Tutorials

Bielefeld University	2023 – today
<ul style="list-style-type: none">Mathematics (Bachelor level)Hidden Markov Models (Master level)Statistical Consulting (Master level)Generalised Linear Models (Master level)	
Bielefeld University of Applied Sciences	2018 – 2020
<ul style="list-style-type: none">Statistics for Economists (Bachelor level)	

- Mathematics for Economists (Bachelor level)

GRANTS AND AWARDS

German public-private scholarship (Deutschlandstipendium) 2019 – 2020 and 2022 – 2023
Mobility grant of the Bielefeld Graduate School in Theoretical Sciences (BGTS)

PRESENTATIONS

Inference on the state process of periodically inhomogeneous hidden Markov models
 Talk at the Young Researchers Workshop of the Center for Statistics, Bielefeld University, Germany, February 2024

Mitigating consequences of the Markov assumption
 Poster at the 18. doctoral workshop of the Bielefeld Graduate School of Economics and Management (BiGSEM), Bielefeld University, Germany, December 2023

Mitigating consequences of the Markov assumption
 Talk at the Center for Statistics, Bielefeld University, Germany, October 2023

COMMUNITY INVOLVEMENT

Reviewer

- Journal of Computational and Graphical Statistics
- Journal of the Royal Statistical Society Series C

SKILLS

- **Programming:** R (including Rcpp), C++, Python
- **Tools:** LaTeX, git, SQL
- **Languages:** German, English

VOLUNTEERING

Member of the student council (Data Science & Statistical Science) 2021-2023
 Bielefeld University, Germany

Representing the interests of student assistants (SHK-Rat) 2022
 Bielefeld University, Germany

Voluntary service 2016-2017
 AWO nursery school Werther, Germany