Jan-Ole Koslik

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EDUCATION

PhD in Statistics   2023 – today
Bielefeld University, Germany

MSc Statistical Science   2021 – 2023
Bielefeld University, Germany
Grade: 1.0; graduated first of my class

BSc Economics (intermediate studies)   2020 – 2021
Bielefeld University, Germany

Study Abroad   2019
Budapest Business School, Hungary

BA Business Administration   2017 – 2020
Bielefeld University of Applied Sciences, Germany
Grade: 1.4

EMPLOYMENT

Research Associate Statistics and Data Analysis Group   2023 – today
Bielefeld University, Germany

Research Assistant Statistics and Data Analysis Group   2022 – 2023
Bielefeld University, Germany

Working Student Pricing Intelligence   2021 – 2022
CLAAS KGaA mbH, Germany

Intern Market Intelligence   2020
CLAAS KGaA mbH, Germany

PUBLICATIONS

1. 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
- Mathematics (Bachelor level)
- Hidden Markov Models (Master level)
- Statistical Consulting (Master level)
- Generalised Linear Models (Master level)

Bielefeld University of Applied Sciences   2018 – 2020
- Statistics for Economists (Bachelor level)

- Mathematics for Economists (Bachelor level)

GRANTS AND AWARDS

German public-private scholarship (Deutschlandstipendium)   2019 – 2020 and 2022 – 2023

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