

# Jan-Ole Koslik

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## EDUCATION

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

## EMPLOYMENT

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

## PUBLICATIONS

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- Michels, R., **Koslik, J.-O.** (2023). On the combination of data smoothing and Markov-switching models. *Journal of the Royal Statistical Society – Series C*, in press

## PREPRINTS

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**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

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### Workshop lecturer and demonstrator

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

### Tutorial demonstrator and marker

Bielefeld University	2023 – today
<ul style="list-style-type: none"><li>Hidden Markov models (MSc)</li><li>Generalised linear models (MSc)</li></ul>	
Bielefeld University of Applied Sciences	2018 – 2020
<ul style="list-style-type: none"><li>Statistics for economists (first year)</li><li>Mathematics for economists (first year)</li></ul>	

## GRANTS AND AWARDS

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**German public-private scholarship** (Deutschlandstipendium)

2019 – 2020 and 2022 – 2023

## PRESENTATIONS

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*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

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### Reviewer

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

## SKILLS

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

## VOLUNTEERING

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**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