

First Announcement and Call for Papers:

Workshop of the

Working Groups „Ecology and Environment“, „Bayes Methods“, „Spatial Statistics“ (International Biometric Society, German Region) and „Biometry“ (German Association of Forest Research Stations, DVFFA)

Hannover or online, 02-03/12/2021

“Extremes”

Workshop Objectives

The aim of the workshop is to provide an overview of the theory of extreme values and of their Bayesian modelling in spatial statistics for epidemiology and environmental sciences like forestry. Presentations on the following topics are particularly welcome:

- Estimation of quantiles
- Temporal and spatial extremes
- Extreme exposures or extreme outcomes
- Estimation and prediction assuming extreme value distributions
- Censored or incomplete data

Invited Tutorial

Dr. Thomas Opitz (Biostatistics and Spatial Processes, INRAE, Avignon, author of: *INLA goes extreme*):

Extreme-value analysis and Bayesian estimation with INLA

Besides general introductions to extreme value theory and INLA, exercises will be part of four two-hour sessions. Exercises require a personal computer with R and packages [INLA](https://arxiv.org/abs/1802.01085), [evd](https://arxiv.org/abs/1604.00860), [extRemes](https://arxiv.org/abs/1802.01085), [RandomFields](https://arxiv.org/abs/1604.00860), [spatstat](https://arxiv.org/abs/1604.00860), [inlabru](https://arxiv.org/abs/1604.00860). Manuscripts are available at <https://arxiv.org/abs/1802.01085>, <https://arxiv.org/abs/1604.00860>

Further Information

Please visit the websites of the working groups:

<http://www.biometrische-gesellschaft.de/arbeitsgruppen/bayes-methodik.html>.

<http://www.biometrische-gesellschaft.de/arbeitsgruppen/oekologie-und-umwelt.html>

<http://www.raeumliche-statistik.de/>

Instructions for Authors

Please send **abstracts** (max. one A4 page, 12pt) of presentations to the organisers (below) by e-mail. The expected length for each presentation is 30 minutes incl. discussion. The workshop language will be English, but presentations in German will also be possible. Presentation files should be made available for publication on the websites of the working groups.

Important Dates

30/08/2021	Registration deadline for pay as you go workshop dinner (mail to local organiser Johannes.Dreesman@nlga.Niedersachsen.de)
30/09/2021	Submission deadline for abstracts
15/10/2021	Notification of acceptance of abstracts; publication of the programme shortly thereafter
30/11/2021	Deadline for registration (late registration only as long as places available).

Registration

For registration for this workshop please send an email with your name, affiliation and mode of participation to christian.roever@med.uni-goettingen.de. There is no registration fee. A link to the

videoconference, which will be held through BigBlueButton, will be sent by e-mail ca. 01/12/2021. Organisers may cancel, postpone or change the programme for a lack of participants or good reasons. Registered participants would be informed. Other liabilities like costs of travel or time are excluded.

Organisers

Working Group „Ecology and Environment“:

Dr. Tobias Mette (Bayerische Landesanstalt für Wald und Forstwirtschaft) Tobias.Mette@lwf.bayern.de

Working Group „Bayes Methods“:

Dr. Reinhard Vonthein (Universität zu Lübeck) reinhard.vonthein@uni-luebeck.de

Working Group „Spatial Statistics“:

Dr. Johannes Dreesman (Niedersächsisches Landesgesundheitsamt)
Johannes.Dreesman@nlqa.Niedersachsen.de

Working Group „Biometry” of the German Association of Forest Research Stations:

Wolfgang Falk (Bayerische Landesanstalt für Wald und Forstwirtschaft) Wolfgang.Falk@lwf.bayern.de