International Biometric Society, German Region:
Working Groups „Bayes Methods", "Ecology and Environment" and "Spatial Statistics"

German Association of Forest Research Stations (DVFAA)
Section "Biometry"

PROGRAM
of the joined workshop

BART – Bayesian Additive Regression Trees
Apr. 24-26, 2024, Freising
with **Jeremy Yoder and Colin Carlson**

of the working groups
**Bayes Methods, Spatial Statistics, Ecology and Environment
(IBS- DR) and Biometry (DVFFA)**

Wednesday, 24.04.2024

16:00–16:30 Opening

16:30–18:00 Colin Carlson (online): BART – Bayesian Additive Regression Trees

18:00–18:30 Tobias Mette: Purposive sampling across different data sources for a robust forest risk assessment by species distribution modelling

19:30 Joined Dinner at Bräustüberl Weihenstephan

please request Webex-Link if you want to participate online

Thursday, 25.04.2024

09:00–10:30 Jeremy Yoder: Tutorial, "Bayesian Additive Regression Trees", Part 1
10:30–11:00 Break

11:00–11:30 Hendrik Edelhoff: Bayesian implementation of a spatial capture recapture model to infer sex-specific density gradients in a mountain ungulate
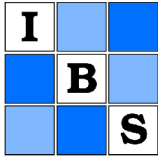
11:30-12:00 Leonie Gass: Next forest generation – predicting current forest regeneration

12:00-12:30 Johannes Ponge (online): Agent-Based Simulations in Spatial Epidemiology

12:30–14:00 Lunch break

14:00–15:30 Jeremy Yoder: Tutorial, "Bayesian Additive Regression Trees", Part 2

15:30–16:00 Break

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16:00–17:30 Jeremy Yoder: Tutorial, "Bayesian Additive Regression Trees", Part 3

17:30–17:45 Break (end of official program for this day)

17:45–18:30 Working meeting of the 3 working groups IBS-DR and DVFFA

19:00   Joined dinner at Schubauers am Dom

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Friday, 26.04.2024

09:00–10:30 Jeremy Yoder: Tutorial, "Bayesian Additive Regression Trees", Part 4
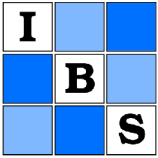
10:30–11:00 Break

11:00–11:30 Andreas Bender: Evaluation of (Machine Learning) Prediction Models for spatially correlated data

11:30–12:00 Maximilian Pichler: Inductive bias in Machine Learning Models – consequences for causal effects and predictions under feature collinearity

12:00–12:30 Summary, closing words, farewell

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Organisational Details

Venue: Bayerische Landesanstalt für Wald und Forstwirtschaft (LWF), H.-C.-v.-Carlowitz-Pl. 1, 85354 Freising

Arrival: By train: From Freising station with the city bus lines 637 (Hohenbachern via Dürnast), 638 (Hittostraße via Weihenstephan), 639 (Lange Point via Forstzentrum). Exit Weihenstephan or forestry center. Travel time < 10 min. The LWF is located at the western end of the campus.

                By plane: From the airport, take the 635 bus to Freising station, then continue as described above.