

Joint PhD Seminar in Statistics



Universiteit
Leiden



Leibniz-Institut
für Präventionsforschung
und Epidemiologie – BIPS



University
of Bremen



Bremen, October 4-6, 2023

Joint PhD Seminar in Statistics

15:00 – 15:10 Welcome (*Werner Brannath, Bremen*)

Session 1 – Modelling (*Thorsten Dickhaus, Bremen*)

15:10 – 15:50 *Justus Contzen*, Bremen University

An investigation of present and future climate extremes using
climate model data

15:50 – 16:30 *Chiara Degan*, Leiden University

Multivariate longitudinal modeling with bounded outcomes and
endogenous covariates

18:00 Dinner at Platzhirsch (Kuhgrabenweg 30, 28359 Bremen)

Wednesday, October 4, 2023

Joint PhD Seminar in Statistics

Session 2 – Machine Learning (*Werner Brannath, Bremen*)

09:30 – 10:10 *Pacal Rink*, Bremen University

Simultaneous Bootstrap Tilting Confidence Intervals with
Applications in Machine Learning

10:10 – 10:50 *Kristin Blesch*, BIPS

Statistical considerations to improve interpretable machine
learning for mixed tabular data

10:50 – 11:10 Coffee break

Thursday, October 5, 2023

Joint PhD Seminar in Statistics

Session 3 – Survival Data (*Marvin Wright, BIPS*)

11:10 – 11:50 *Marije Sluiskes*, Leiden University

A reduced rank proportional hazards model for multiple-outcome survival data

11:50 – 12:30 *Sophie Langbein*, BIPS

Interpretable Machine Learning for Survival Analysis

12:30 – 14:10 Lunch Break at University Mensa

Thursday, October 5, 2023

Joint PhD Seminar in Statistics

Session 4 – Dealing with dependence (*Jelle Goeman, Leiden*)

14:10 – 14:50 *Vincent Jankovich*, Bremen University

Asymptotic online FWER control for dependent test statistics

14:50 – 15:30 *Andrea Mathisen Bratsberg*, University of Oslo

Conditional variable screening for ultra-high dimensional longitudinal data with time interactions

15:30 – 15:50 Coffee break

Thursday, October 5, 2023

Joint PhD Seminar in Statistics

Session 5 - Semiparametric Models (*Peter Ruckdeschel, Oldenburg*)

15:50 – 16:30 *Riccardo De Santis*, University of Padova
Group invariance tests for regression models

16:30 – 17:10 *Oke Wübberhorst*, Oldenburg University
Next Steps toward a Near-to-Optimally-Robust Cox Regression
Estimator

18:00 Dinner at *Matisse (Vorstraße 79, 28359 Bremen)*

Thursday, October 5, 2023

Joint PhD Seminar in Statistics

Session 6 – Hypothesis Testing (*Thorsten Dickhaus, Bremen*)

09:30 – 10:10 *Daniel Ochieng Odipo*, Bremen University

On the usage of single-and two-stage randomized p-values in the Schweder–Spjøtvoll estimator

10:10 – 10:50 *Remi Luschei*, Bremen University

The effect of estimating prevalences on the population-wise error rate

10:50 – 11:10 Coffee break

Friday, October 6, 2023

ZeSOB Colloquium

Chair: *Werner Brannath*, Bremen University

11:10 – 12:10 *Jelle Goeman*, Leiden University

All-resolutions inference: adaptively choosing the scale
of your analysis?

12:10 – 12:20 Closing remarks (*Werner Brannath*)

12:20 Lunch at *Café Unique* (*Enrique-Schmidt-Str. 7, 28259 Bremen*)

Friday, October 6, 2023