HUMBOLDT-
UNIVERSITÄT
ZU BERLIN

DAGStat 2025

Statistics under one umbrella

7TH JOINT STATISTICAL MEETING
24-28 March 2025, HU Berlin

Statistics in Times of AI

Conference Guide

Contents

Important Information at a Glance

The conference will be held at Humboldt Universität's main building (Unter den Linden 6, UL6) and the seminar building at Hegelplatz (Dorotheenstraße 24, DOR24). The buildings are back-to-back; most rooms in DOR24 are in Haus 1, while the main entrance and lift to the Fritz-Reuter-Saal are in Haus 2.

Due to construction work, the north-eastern part of UL6 is inaccessible. The Lichthof and lecture hall 2002 can only be reached via the courtyard and side entrance, with lecture hall 2002 accessible only by stairs.

The two largest lecture halls are unavailable, so plenary sessions and keynotes will be in Room 3038 (270 seats) in UL6, with live streaming to:

- UL6: 3075, 2091, 2094, and 2097
- DOR24: Fritz-Reuter Hall

The mensa/cafeteria is in the left/west wing and the break catering areas throughout the west half of UL6 as well as on the first floor of DOR24. They are indicated on the maps linked below, as are lifts and toilets.

For assistance, contact staff wearing green DAGStat T-shirts or red lanyards.

DOR24
= Dorotheenstrasse 24

Haus 1
DOR24, Entrance and foyer
= Ground floor
DOR24, 1.101-1.103
= First floor
DOR24, 1.201-1.205
= Second floor
DOR24, 1.307-1.308
= Third floor
DOR24, 1.401-1.406
= Fourth floor
DOR24, 1.501-1.506
= Fifth floor

Haus 2
DOR24, Fritz-Reuter
= Third floor

Based on map data © OpenStreetMap contributors, modified under ODbL (openstreetmap.org).

UL6
= Unter den Linden 6

UL6,
Foyer/Lichthof/Mensa,
UL6, 1070-1072
= Level 1
UL6, 2002-2097
= Level 2
UL6, 3038-3075
= Level 3

Conference Office:
UL6, 2070A
Phone: +49 30 2093 99590

Access to Lichthof and Room 2002: Exit UL6 through the main entrance, turn left to reach Lichthof and Room 2002 (construction is ongoing inside).

Police information for Tuesday, 25 March 2025

On March 25, 2025, a church service will be held in association with the constitutive session of the 21st Bundestag (German parliament) at St. Hedwig's Cathedral in Berlin-Mitte. In this context, police measures will be in effect from approximately 5:00 AM to 11:00 AM, including road and footpath closures, as well as associated traffic disruptions and noise disturbances. Public transport bus services will also be affected.

The road closures include, among others:

- Unter den Linden, continuing as Karl-Liebknecht-Straße, between Friedrichstraße and Spandauer Straße (both directions)

Additionally, a security zone will be established around St. Hedwig's Cathedral, which will be closed to the public.

The security zone covers Bebelplatz, located **opposite the main entrance to UL6**, and the surrounding areas.

In the morning of Tuesday, 25 March, we recommend accessing Unter den Linden 6 via the back entrance to avoid delays, which is located on Dorotheenstraße, opposite the second conference building Dorotheenstraße 24.

Access to the security zone will be restricted to a limited group of individuals, such as residents or authorized persons. Entry into underground parking garages will also not be possible.

Please support the police's security and control measures by observing the following:

- Carry your ID card or passport with you.
- Keep windows and doors closed as much as possible between 07:00 and 10:00 AM; avoid accessing balconies, rooftop terraces, and roofs if possible.
- Observe the parking restrictions for motor vehicles, electric micro-vehicles, bicycles, mobile containers (trailers etc) and other objects within the security area.

Please observe the temporary no-parking regulations that have been imposed for security reasons.

Unauthorized motor vehicles, electric micro-vehicles, bicycles, mobile containers, and other objects left in the security area will be removed.

The police are committed to minimizing the restrictions and inconveniences as much as possible and appreciate your understanding.

Welcome

Dear participants,

We are delighted to welcome you to Berlin for the 7th Joint Statistical Meeting of the DAGStat, the Deutsche Arbeitsgemeinschaft Statistik! Since its launch in 2007, the tradition of bringing "statistics under one umbrella" has fostered a thriving exchange of ideas, uniting statisticians from diverse fields. After memorable conferences in Bielefeld, Dortmund, Freiburg, Göttingen, Munich, and Hamburg, we look forward to continue this tradition in Germany's vibrant capital.

This year's meeting is held under the theme "Statistics in the Time of AI." These days, the relevance of statistics is clearer than ever. The emergence of artificial intelligence, machine learning, and big data is reshaping how we understand the world, solve problems, and develop policies. At this conference, we embrace the intersection of statistics with these disciplines, creating a platform to explore how traditional and modern statistical methods can work hand-in-hand to drive progress.

DAGStat 2025 brings together participants of 15 scientific societies and professional organizations as well as of the Federal Statistical Office of Germany. Three of these scientific societies will hold their annual meetings during the conference:

- The 71st "Biometrisches Kolloquium" of the German Region of the International Biometric Society (IBS-DR),
- the Spring Meeting of the Deutsche Statistische Gesellschaft (DStatG), and
- the 48th Annual Conference of the Gesellschaft für Klassifikation (GfKl) – Data Science Society.

Founded in 2005, the DAGStat is celebrating its 20th birthday this year! On Thursday, 27 March, just before the conference dinner, there will be a specific DAGStat session dedicated to this birthday. This session is also an award session, honoring two statisticians with the prestigious DAGStat medal. You are all invited to join and celebrate with us!

As with previous conferences, DAGStat 2025 offers a unique opportunity for statisticians from all areas, e.g., econometrics, biostatistics, official statistics, or mathematics, to connect, and to share and discuss ideas. Berlin provides the perfect setting for these exchanges, a city that thrives on diversity and innovation. We encourage you to take full advantage of the rich program, including keynote lectures, invited and contributed talks, panel discussions, tutorials, and poster sessions. Whether you are an experienced or early- career statistician, we hope you will find this conference inspiring. Let's build connections, spark collaborations, and reflect on how our discipline can shape a future where statistics and AI foster each other for the greater good.

We express our gratitude to the local organizers, especially to Sonja Greven (Humboldt-Universität zu Berlin) and Frank Konietschke (Charité - Universitätsmedizin Berlin). Together with their teams, they have brought this event to life.

Welcome to Berlin and enjoy DAGStat 2025!

Katja Ickstadt
Chairwoman of the DAGStat

Anne-Laure Boulesteix
President of the IBS-DR

Yarema Okhrin
President of the DStatG

Adalbert Wilhelm
Chair of the GfKl Data Science Society

Local Organization

Dear colleagues and friends,

On behalf of the local organizing committee, we are delighted to welcome you to the 7th Joint Statistical Meeting of the Deutsche Arbeitsgemeinschaft Statistik (DAGStat) at Humboldt-Universität zu Berlin.

Since its inception in 2007, the DAGStat conference has been hosted by academic institutions with strong Statistics groups across Germany: Bielefeld, Dortmund, Freiburg, Göttingen, Munich, Hamburg, and now Berlin. Each meeting has showcased the growing strength of the German statistical community, and we are honored to continue this tradition here in Berlin.

This year's conference gathers more than 700 participants and features over 450 presentations and posters, highlighting cutting-edge research and emerging trends in Statistics and Data science. We want to thank the scientific committee and our dedicated teams at Humboldt-Universität zu Berlin and Charité – Universitätsmedizin Berlin, as well as colleagues at DeStatis, whose efforts have made this event possible.

The DAGStat conference not only serves as a platform for the exchange of knowledge, but also fosters collaboration between statisticians, data scientists, and researchers from various disciplines. The contributions presented here will drive forward the development of innovative statistical methods and tools and applications across fields such as healthcare, economics, social sciences, and engineering.

As Statistics continues to evolve, so does the role it plays in shaping policy and business decisions in a world increasingly dominated by data. The rise of artificial intelligence, machine learning, and predictive analytics has made understanding uncertainty and the development and application of statistical methods more essential than ever. We will explore the intersection of these fields with traditional statistical theory and practice at this conference under this year's theme, 'Statistics in Times of AI', including a panel discussion on the same topic.

Statistics today plays a pivotal role in addressing the challenges of a rapidly evolving world, from Big Data and machine learning to data-driven decision-making in a digitalized society. DAGStat's motto, "Statistics under one umbrella," reflects its enduring mission to foster collaboration and innovation across diverse disciplines to make this possible.

The conference provides a unique opportunity for statisticians at all career levels to engage with invited experts and fellow researchers. We encourage you to take full advantage of the networking opportunities, tutorials, and social events throughout the week to deepen existing collaborations and form new partnerships that will advance the field.

We hope this conference inspires lively discussions, fosters new connections, and advances the role of statistics in shaping our future. Enjoy the vibrant atmosphere of Berlin, the scholarly tradition of Humboldt-Universität, and the unique opportunity to connect with our ever-growing statistical community in Germany and worldwide.

Welcome to DAGStat 2025!

Sonja Greven and Frank Konietschke
Chairs of the Local Organizing Committee

Members of the Local Organizing Committee

- Sonja Greven (Humboldt-Universität zu Berlin)
- Eliza Mandieva (Humboldt-Universität zu Berlin)
- Sigbert Klinke (Humboldt-Universität zu Berlin)
- Maarten Jung (Humboldt-Universität zu Berlin)
- Tobias Wistuba (Humboldt-Universität zu Berlin)
- Leslie Udvarhelyi (Humboldt-Universität zu Berlin)
- Manuel Pfeuffer (Humboldt-Universität zu Berlin)
- Markus Reiss (Humboldt-Universität zu Berlin)
- Frank Konietschke (Charité - Universitätsmedizin Berlin)
- Dörte Huscher (Charité - Universitätsmedizin Berlin)
- Uwe Schöneberg (Charité - Universitätsmedizin Berlin)
- Stephen Schüürhuis (Charité - Universitätsmedizin Berlin)
- Erin Dirk Sprünken (Charité - Universitätsmedizin Berlin)
- Kleio Chrysopoulou Tseva (Humboldt-Universität zu Berlin)
- Markus Zwick (Statistisches Bundesamt)

Conference Organizers

The Deutsche Arbeitsgemeinschaft Statistik (DAGStat) is a network of scientific and professional organizations that develop and promote statistical theory and methodology.

- Deutsche Statistische Gesellschaft
- Internationale Biometrische Gesellschaft - Deutsche Region
- Fachgruppe Stochastik der Deutsche Mathematiker-Vereinigung
- Gesellschaft für Klassifikation e.V.
- Verband Deutscher Städtestatistiker
- Deutsche Gesellschaft für Medizinische Informatik, Biometrie und Epidemiologie e.V.
- Verein zur Förderung des schulischen Stochastikunterrichts e.V.
- AG Statistische Methoden der Deutschen Gesellschaft für Epidemiologie e.V.
- Ökonometrischer Ausschuss des Vereins für Socialpolitik
- Fachgruppe Methoden und Evaluation der Deutsche Gesellschaft für Psychologie
- Sektion Methoden der Empirischen Sozialforschung der Deutschen Gesellschaft für Soziologie
- European Network for Business and Industrial Statistics - Deutsche Sektion
- Statistisches Bundesamt
- Sektion Methoden der Deutschen Vereinigung für Politikwissenschaft e.V.
- German Data Science Society
- Fachbereich Methodik des Netzwerkes Evidenzbasierte Medizin

Scientific Committee

The scientific committee consists of representatives of the member societies of the Deutsche Arbeitsgemeinschaft Statistik (DAGStat):

Chairs:

- Ickstadt, Katja (Chairwoman of the DAGStat)
- Greven, Sonja (Local Organizing Committee)
- Konietschke, Frank (Local Organizing Committee)
- Boulesteix, Anne-Laure (IBS-DR)
- Wilhelm, Adalbert (GfKl)

Committee:

- Andrä, Diana (VDSt)
- Behr, Sigrid (DGEpi)
- Beißbarth, Tim (GMDS)
- Binder, Karin (Association for the Promotion of Stochastics Teaching in Schools)
- Brandt, Holger (Methods and Evaluation of DGP)
- Brenzel, Hanna (Destatis)
- Elff, Martin (Methods Section of DVPW)
- Friedrich, Sarah (Secretary General of DAGStat)
- Holling, Heinz (Methods and Evaluation of DGP)
- Holzmann, Hajo (Econometric Committee of the Vereins für Socialpolitik)
- Huscher, Dörte (Local Organization Committee)
- Kauermann, Göran (GDS)
- Kestler, Hans A. (GfKl)
- Kirch, Claudia (FG Stochastik)
- Kneib, Thomas (Deputy Chairman of the DAGStat)
- Knoth, Sven (DeEnbis)
- Kopp-Schneider, Anette (IBS-DR)
- Leitgöb, Heinz (Section Methods of Empirical Social Sciences of the DGS)
- Mathes, Tim (Methodology section of the EbM-Netzwerk)
- Münnich, Ralf (DStatG)
- Paetz, Friederike (GfKl)
- Pauly, Markus (FG Stochastik)

Special Scientific Events

Plenary Talks

Due to construction work in the two largest lecture halls of Humboldt-Universität zu Berlin (Audimax, Kinosaal), the plenary talks will take place in lecture hall UL6, 3038 (Karl Weierstraß lecuture hall). Since this room has only 250 seats, the plenary talks will also be live-streamed to the lecture halls

- UL6, 3075 (130 seats)
- UL6, 2091 (200 seats)
- UL6, 2094 (150 seats)
- UL6, 2097 (120 seats)
- DOR24, Fritz-Reuter-Saal (250 seats)

Tuesday, March 25
10:50 AM - 11:10 AM
Opening

Tuesday, March 25
11:10 AM - 12:10 PM
Keynote: Integrative modelling strategies in the health sciences: benefits and challenges
Sylvia Richardson

Wednesday, March 26
11:10 AM - 12:20 PM
Keynote: Scaling and Generalizing Approximate Bayesian Inference
David Blei

Thursday, March 27
11:10 AM - 12:20 PM
Keynote: Online Reinforcement Learning in Digital Health Interventions
Susan Murphy

Friday, March 28
11:10 AM - 12:20 PM
Keynote: A Heavily Right Strategy for Integrating Dependent Studies in Any Dimension
Xiao-Li Meng

Friday, March 28
12:20 PM - 12:50 PM
Closing

Invited Talks

Tuesday, March 25
09:00 AM - 09:40 AM
DOR24, 1.101

Section 33 Marketing and E-Commerce
Session Marketing and E-Commerce
Experimental Evidence on Structural State Dependence in Demand
Daniel Guhl

Tuesday, March 25
09:00 AM - 09:40 AM
UL6, 3038

Section 53 Statistical Literacy and Statistical Education
Session Statistical Education
Rethinking What Counts as Data and Data Visualization in Statistical Literacy and Statistics Education
Travis Weiland

Tuesday, March 25
01:50 PM - 02:30 PM
DOR24, 1.101

Section 35 Statistics in Finance
Session Advances in Financial Modeling: Missing Data, Forecasting, and Risk Assessment
Missing Data in Asset Pricing Panels
Michael Weber

Tuesday, March 25
01:50 PM - 02:30 PM
UL6, 1072

Section 22 Clustering and Classification
Session Clustering and Classification II
Mixture-based clustering for ordinal responses
Marta Nai Ruscone

Tuesday, March 25
02:30 PM - 03:10 PM
DOR24, Fritz Reuter

Section 45 Robust and Nonparametric Statistics
Session Generalized Pairwise Comparisons
Generalized pairwise comparisons for multiple outcomes
Marc Buyse Scd

Tuesday, March 25
03:30 PM - 04:10 PM
UL6, 1070

Section 15 Statistics in the Pharmaceutical and Medical Device Industry
Session Challenges for statistics within the pharmaceutical and medical device industry
Statistics in the Pharmaceutical and Medical Device Industry
Philip Young

Tuesday, March 25
03:30 PM - 04:10 PM
UL6, 2002

Section 23 Deep Learning + Statistics
Session Scientific Breakthroughs Harnessing Deep Learning
From Data to Discovery: LLM's Role in Advancing Science
Mihaela van der Schaar

Tuesday, March 25
03:30 PM - 04:10 PM
UL6, 2094

Section 11 Causal Inference
Session Target trial emulation for causal inference
Formulating and comparing adherence strategies for sustained treatment: a nationwide case study of five years of endocrine therapy in young patients with breast cancer
Elise Dumas

Tuesday, March 25
05:10 PM - 05:50 PM
UL6, 3075

Section 34 Statistics in Agriculture and Ecology, Environmental Statistics
Session Statistics in Crop Science
Multidimensional P-Splines for the Analysis of Agricultural Data
Maria Xose Rodriguez-Alvarez

Tuesday, March 25
05:50 PM - 06:30 PM
UL6, 2097

Section 42 Bayesian Statistics
Session Bayesian Approaches for Applications in Physics and Technology
Bayesian assessment of corrosion-related failures in a steel pipeline network
Antonio Pievatolo

Wednesday, March 26 **Section 65 Synthetic Data, Georeferencing & Disclosure control**
09:00 AM - 09:40 AM Session Synthetic Data, Georeferencing & Disclosure Control
UL6, 1070 **Two Worlds United? Synthetic Data in Statistics and Computer Science**
Jörg Drechsler

Wednesday, March 26 **Section 12 Design of Experiments and Clinical Trials**
09:00 AM - 09:40 AM Session Adaptive Designs I
DOR24, Fritz Reuter **Optimal two-stage biomarker-stratified designs with enrichment**
Anastasia Ivanova

Wednesday, March 26 **Section 41 Advanced Regression Modelling**
09:00 AM - 09:40 AM Session Advanced Regression Modelling 1
UL6, 2094 **Modeling the local impact of summer heat on mortality**
Christel Faes

Wednesday, March 26 **Section 16 Survival and Event History Analysis**
09:00 AM - 09:40 AM Session Innovations in Survival Analysis: Pseudo-Observations, Truncation, and
UL6, 2091 Event-Free Survival
Regression analysis with jack-knife pseudo-observations
Morten Overgaard

Wednesday, March 26 **Section 26 Trustworthy Data Science**
09:00 AM - 09:40 AM Session On Social Responsible and Fair AI and ML
UL6, 2097 **Fairness conflicts: Why it's not just another optimization problem**
Eirini Ntoutsi

Wednesday, March 26 **Section 43 Mathematical Statistics**
10:00 AM - 10:40 AM Session Robust Predictions and Uncertainty Quantification in Statistical Learning
UL6, 1072 **Survival analysis under label shift: a likelihood-based approach**
Ingrid Van Keilegom

Wednesday, March 26 **Section 24 Text Mining, NLP and Content Analysis**
10:00 AM - 10:40 AM Session Text mining and NLP
DOR24, 1.101 **Explanations for Large Language Models, and How to Evaluate Them**
Benjamin Roth

Wednesday, March 26 **Section 25 Time Series and Statistical Forecasting**
02:00 PM - 02:40 PM Session Forecasting Methods
DOR24, 1.101 **(Conformal) isotonic distributional regression**
Johanna Ziegel

Wednesday, March 26 **Section 63 Spatial and spatio-temporal Statistics**
02:00 PM - 02:40 PM Session Spatial and spatio-temporal Statistics I
UL6, 1070 **Random Forests for Spatially Dependent Data**
Arkajyoti Saha

Wednesday, March 26 **Section 54 Statistics in Social, Behavioral and Educational Sciences**
03:50 PM - 04:30 PM Session Statistics in Social, Behavorial and Educational Sciences I
UL6, 2094 **Causal Inference and Machine Learning for Sociology**
Jennie Brand

Wednesday, March 26 **Section 46 Testing and Scaling**
03:50 PM - 04:30 PM Session Linking, equating, and norming in the context of IRT
UL6, 1072 **Observed-score Equating Revisited**
Wim J. van der Linden

Thursday, March 27 **Section 62 Network Analysis**
09:00 AM - 09:40 AM Session Network Data Analysis
UL6, 1070 **Fully Bayesian Estimation of Temporal Decay in Relational Event Models**
Philip Leifeld

Thursday, March 27 **Section 21 Artificial Intelligence and Machine Learning**
09:00 AM - 09:40 AM Session AI Innovations
UL6, 2002 **How to make logics neurosymbolic**
Luc De Raedt

Thursday, March 27 **Section 56 Survey Methodology**
01:20 PM - 02:00 PM Session Innovations in Survey Methodology: Integrating Digital Data and Enhancing
UL6, 1070 Data Quality
Smart surveys: integrating survey data with sensors and other digital data
Peter Lugtig

Thursday, March 27 **Section 32 Empirical Economics and Applied Econometrics**
01:20 PM - 02:00 PM Session Empirical Economics and Applied Econometrics 1
DOR24, 1.101 **Externally Valid Selection of Experimental Sites via the k-Median Problem**
Joerg Stoye

Thursday, March 27 **Section 14 Statistical Methods in Epidemiology**
01:20 PM - 02:00 PM Session Epidemiological Modeling I
UL6, 3038 **Causal discovery: Data-driven witchcraft or a useful tool for constructing causal models for epidemiology?**
Anne Helby Petersen

Thursday, March 27 **Section 61 Extreme Values and Rare Events**
01:20 PM - 02:00 PM Session Statistical Approaches to Extreme Events and Climate Variability
UL6, 2097 **Statistical modelling of records in a changing climate**
Philippe Naveau

Thursday, March 27 **Section 44 Meta-Analysis**
03:00 PM - 03:40 PM Session Meta-Analysis II
UL6, 1072 **Investigating selective reporting in meta-analyses of dependent effect sizes: Some elaborations of the step-function selection model**
James Pustejovsky

Thursday, March 27 **Section 13 Nonclinical Statistics**
03:00 PM - 03:40 PM Session Questionable practices, risks and other critical aspects affecting pre-clinical
UL6, 3075 results
Are questionable research practices ever OK?
Leonhard Held

Thursday, March 27 **Section 51 Official and Survey Statistics**
03:00 PM - 03:40 PM Session Official Statistics
UL6, 1070 **Controlling selection bias in non-probability samples using small area estimation: an application to official statistics**
Monica Pratesi

Thursday, March 27 **Section 55 Structural Equation Modelling and Latent Variables**
05:20 PM - 06:00 PM Session Structural Equation Modelling and Latent Variables I
UL6, 3075 **Focus! SEM Trees and Forests for Identifying Moderators in Structural Equation Models**
Andreas M. Brandmaier

Friday, March 28 **Section 27 Visualisation and Exploratory Data Analysis**
09:00 AM - 09:40 AM Session Visual and Data-Driven Approaches to Market and Political Segmentation
UL6, 2097 **Visually exploring high-dimensional market segmentation data**
Dianne Cook

Tutorials

Monday is Tutorial Day. There are Morning Tutorials, Afternoon Tutorials and Full Day Tutorials:

Day	Room	Time slot	Session title
Mon, Mar 24	DOR24, 1.201	08:30 AM - 12:30 PM	Tutorial - Distributional Regression – Models and Applications Part I
	DOR24, 1.307	08:30 AM - 12:30 PM	Tutorial - An introduction to estimands and estimand-aligned estimation Part I
	DOR24, 1.308	08:30 AM - 12:30 PM	Tutorial - Reproducible Research in R: How to Do the Same Thing More Than Once
	DOR24, 1.401	08:30 AM - 12:30 PM	Tutorial - Introduction to Machine Learning with R and mlr3 Part I
	DOR24, 1.403	08:30 AM - 12:30 PM	Tutorial - Bayesian Data Analysis Part I
	DOR24, 1.404	08:30 AM - 12:30 PM	Tutorial - From Theory to Practice: Vine Copula Models Part I
	DOR24, 1.405	08:30 AM - 12:30 PM	Tutorial - Social Media and Statistics - How Do They Fit Together?
	DOR24, 1.406	08:30 AM - 12:30 PM	Tutorial - Generalized pairwise comparisons: A practical guide to the design and analysis of patient-centric trials
	DOR24, 1.506	08:30 AM - 12:30 PM	Tutorial - Target trial emulation and causal inference for time-dependent treatments
	DOR24, 1.201	02:00 PM - 06:00 PM	Tutorial - Distributional Regression – Models and Applications Part II
	DOR24, 1.307	02:00 PM - 06:00 PM	Tutorial - An introduction to estimands and estimand-aligned estimation Part II
	DOR24, 1.308	02:00 PM - 06:00 PM	Tutorial - Enhancing your Code: Combining R and C++ via Rcpp and RcppArmadillo
	DOR24, 1.401	02:00 PM - 06:00 PM	Tutorial - Introduction to Machine Learning with R and mlr3 Part II
	DOR24, 1.403	02:00 PM - 06:00 PM	Tutorial - Bayesian Data Analysis Part II
	DOR24, 1.404	02:00 PM - 06:00 PM	Tutorial - From Theory to Practice: Vine Copula Models Part II
	DOR24, 1.406	02:00 PM - 06:00 PM	Tutorial - Variable selection and prediction modelling for high-dimensional genomic data
	DOR24, 1.506	02:00 PM - 06:00 PM	Tutorial - Nonparametrics: Some basics and new developments - common misunderstandings, pitfalls, and surprising results

Morning Tutorials

Target trial emulation and causal inference for time-dependent treatments
Vanessa Didelez, Malte Braitmaier and Bianca Kollhorst (BIPS Bremen, Germany)

Using routinely collected data (or real-world data) to answer questions about (long-term) effectiveness or safety of drugs or preventive measures bears sources of potential bias, besides confounding. These are termed “self-inflicted” biases because they can be minimised by careful study designs. Target trial emulation (TTE) is an increasingly popular principle to facilitate the formulation of the causal estimand and determine a suitable designs. However, lack of familiarity with statistical techniques and software may deter researchers from actually using TTE. Moreover, typical analyses are often limited to ITT-type emulation even if the intended use of drugs or treatments is sustained or adaptive. This course therefore aims to address and demonstrate practical aspects and implementation of TTE specifically for time-dependent treatments. In particular, we will cover techniques of “sequential target trials”, “artificial censoring & weighting” and “cloning” to avoid, e.g., immortal time or prevalent user and similar types of bias.

Some basic knowledge of methods for causal inference will be helpful but is not strictly required. Exercises will be "pen and paper" (or their electronic equivalents).

Social Media and Statistics - How Do They Fit Together?
Alexander Schacht (The Effective Statistician, Sanevidence GmbH, Germany)

In today’s digital age, social media platforms, especially LinkedIn, offer unprecedented opportunities for statisticians and researchers to enhance their visibility, engage with a broader audience, and foster a community centered around their work. However, leveraging these platforms effectively requires more than just self-promotion; it involves a strategic approach to content creation and networking that emphasizes value and collaboration.This workshop, "Social Media and Statistics - How Do They Fit Together?" aims to bridge the gap between the statistical community and the potential of social media. Participants will learn how to use social media not just as a tool for sharing research but as a platform to build a supportive network, receive valuable feedback, and contribute to the broader scientific community.

Participants should bring a laptop and smartphone for interactive exercises.

Generalized pairwise comparisons: A practical guide to the design and analysis of patient-centric trials
Johan Verbeeck (U Hasselt, Belgium), Brice Ozenne (U Copenhagen, Denmark)

When assessing the effects of a treatment in clinical trials, often several clinical meaningful endpoints are simultaneously of interest. Yet, standard methods of analysis for multiple endpoints are limited in a number of ways. The generalized pairwise comparisons (GPC) methods form a very flexible class of non-parametric techniques for prioritized endpoints, which overcome all of these limitations. Major advantages are interpretability, the individual-level patient-centric analysis, and good small sample properties.

In this course, we provide an introduction to the framework of GPC, focusing on practical solutions for the design and analysis of clinical trials with examples in cardiology, oncology and rare diseases, followed by a Q&A for the remainder of the session. Interested participants will be able to apply the GPC methodology on provided datasets with the aid of a user-friendly R package on their own computer, shared through the open science framework platform.

The course is aimed at statisticians, clinicians and trialists from academia, industry and regulatory agencies with knowledge on clinical trials, who want to learn more about the GPC statistical methodology for multiple endpoints of potentially different data types in large and small sample trials. No specific hardware knowledge is required. Participants are encouraged to bring a personal computer with R pre-installed and the BuyseTest package installed from CRAN.

Reproducible Research in R: How to Do the Same Thing More Than Once
Aaron Peikert, Maximilian Ernst, Hannes Diemerling (Formal Methods Group at Max Planck Institut for Human Development, Germany)

Computational reproducibility is the ability to obtain identical results from the same data with the same computer code. The high rate of irreproducible research limits the reach of results and decreases the efficiency of researchers. Reproducible research is a building block for transparent and cumulative science because it enables the originator and other researchers, on other computers and later in time, to reproduce and thus understand how results came about. Many researchers want to work reproducibly, but it is not easy. Considerable time is required to acquire the skills required for reproducible research, and the path is lined with pitfalls. This workshop gets researchers up to speed on how to create reproducible data analyses in R (and beyond). Specifically, researchers learn to automate the whole process from raw data to publishable manuscripts. This automation is possible by combining dynamic document generation (via R Markdown/Quarto), version control (via Git), workflow orchestration (via Make) and software management (via Docker). These tools and, therefore, automatic reproduction of results are available on any machine with Docker installed. The resulting workflow is, hence, highly transferable across machines and time. These core properties of reproducibility are demonstrated for any reader by automatically reproducing the manuscript online.

Afternoon Tutorials

Enhancing your Code: Combining R and C++ via Rcpp and RcppArmadillo
Erin Sprünken and Lukas Mödl (iBikE, Charité - Universitätsmedizin Berlin, Germany)

Many researchers rely on simulation studies and complex computations demonstrate properties of their methods. While R is a widely used language for statistical computing, its interpreted nature can limit performance for intensive and repetitive computations. On the other hand, C++, a compiled language, offers faster execution but requires more programming expertise. . This tutorial aims to provide basic knowledge to C++ programming and demonstrates how to integrate C++ code into R using the R packages Rcpp and RcppArmadillo. By leveraging C++'s low-level efficiency, researchers can substantially accelerate their computations. Content: 1. Basics of C++; 2. The Armadillo-Library; 3. Importing C++ Code into R; 4. Practical Examples; 5. Parallelization of C++ Code.

Participants are required to bring their own notebooks with R, Rtools, and the R-Packages "Rcpp"" and "RcppArmadillo" installed. Participants should have a working knowledge of R programming concepts, such as loops, conditional statements, and user-defined functions.

Nonparametrics: Some basics and new developments - common misunderstandings, pitfalls, and surprising results
Edgar Brunner (University Medical Center Göttingen, Germany) und Arne Bathke (U Salzburg, Austria)

What does it actually mean when the hypothesis of a nonparametric test is being rejected? Which alternatives do the different nonparametric and related parametric hypothesis tests really detect? When using inferential methods, it is important to understand the meaning of the so-called consistency region of a test. Misinterpretations might easily happen if this concept is not considered, in particular if the underlying statistical model has restrictions.

It is the aim of this tutorial to explain the basics, as well as surprising and paradoxical results obtained from different nonparametric procedures – offered in several R-packages – by means of many examples, and to demonstrate possible misinterpretations and misuses of them. We consider (among others) the tests of Mann-Whitney, Kruskal-Wallis, Akritas-Arnold-Brunner, Brunner-Konietschke-Pauly-Puri, Munzel-Hothorn, Jonckheere-Terpstra, Hettmansperger-Norton, van-Eletren, sign-/Wilcoxon-signed-ranks, Friedman, Kepner-Robinson, and Akritas-Brunner.

Participants are expected to have a solid understanding of statistical inference, including a working knowledge of basic nonparametric, rank-based methods.

Variable selection and prediction modelling for high-dimensional genomic data
Christian Staerk (TU Dortmund, Germany), Hannah Klinkhammer (IMBIE, U Bonn, Germany)

High-dimensional biomedical data with many genetic, environmental and clinical variables require scalable and interpretable statistical learning methods for variable selection and prediction. In particular, polygenic risk scores are derived from large cohort studies that include many participants and genetic variants to quantify genetic predispositions for traits and diseases. In the first part of this tutorial, we provide an overview of variable selection and prediction methods for high-dimensional data (large p), including the lasso and its variants, information criteria and boosting. We will also discuss challenges of data-driven variable selection in biomedical research. In the second part, we explore scalable methods for modelling individual-level data from large cohort studies like the UK Biobank, consisting of hundreds of thousands of genetic variants and individuals (large p and n). Specifically, we present frameworks for applying regularized regression via the lasso and statistical boosting for polygenic risk score modelling on large-scale genomic datasets. Our tutorial will include practical exercises in R.

Participants are asked to bring their laptops with an R installation and ideally also have some prior experience with R.

Full Day Tutorials

Distributional Regression – Models and Applications
Nadja Klein (Karlsruhe Institute of Technology, Germany) and Lucas Kock (NU Singapur)

This tutorial, structured into two three-hour blocks, provides an interactive exploration of distributional regression, building on the foundational concepts of generalized linear and additive models. Participants will obtain a review of various distributional regression models and their applications, highlighting the advantages of modeling entire response distributions over traditional mean regression. The session will include hands-on exercises using R, with a focus Bayesian Additive Models for Location Scale and Shape and distributional regression for univariate responses and its extensions to multivariate responses. Through practical exercises and real-world illustrations, participants will gain insights into when and how to apply these models effectively. By the end of the workshop, attendees will have a solid understanding of distributional regression principles and practical skills in model building, estimation, and interpretation.

Participants should bring their laptop with a running and recent version of R installed. Participants are assumed to be familiar with basic R syntax and have ideally experience with conducting linear or additive regression models in R.

An introduction to estimands and estimand-aligned estimation
Tim Friede (U Göttingen, Germany), Tobias Mütze (Novartis), Vivian Lanius (Bayer) and Norbert Benda (BfArM, Germany)

Defining scientific questions in a clinical trial is essential for its design, conduct, analysis, and interpretation. Challenges in clarifying treatment effects led to the ICH E9(R1) addendum on estimands and sensitivity analysis in clinical trials. This addendum provides a framework to define treatment effects, or estimands, before choosing aligned statistical methods.
The first part of this course introduces concepts from the ICH E9(R1) addendum, including estimands, intercurrent events and their handling strategies, missing data, and sensitivity analyses. Practical aspects such as discussing estimands in teams, describing them in protocols, and reporting results will be covered. Perspectives of clinical trialists and regulatory assessors will be addressed. This part includes interactive group work. The second part focuses on identifying and implementing analysis approaches aligned with a chosen estimand using an example. The implementation of various approaches will be illustrated through exercises in R.

Participants should be familiar with the basic principles of clinical trials, including their design, and conduct, and common analysis methods. Additionally, participants must have R Version 4.3.0 or higher installed, along with the R packages tidyverse, rbmi, and rstan.

From Theory to Practice: Vine Copula Models
Claudia Czado, Ariane Hanebeck, Ferdinand Buchner (TU München, Germany) and Özge Şahin (TU Delft, The Netherlands)

As the availability of complex multivariate data continues to grow, understanding dependence structures becomes increasingly important. Copulas play a key role in this exploration. However, standard copula models often fall short when capturing flexible dependence patterns and tail behaviors. To address these limitations, (simplified) vine copula models (vine-copula.org) were developed, offering enhanced flexibility and the ability to model asymmetric tail dependence. In this tutorial, we'll start with the basics of copulas and vine copulas. We'll then demonstrate how vine copulas build flexible multivariate regression models, focusing on univariate and bivariate responses. Practical application sessions will use R libraries like rvinecopulib and vinereg to explore real-world scenarios such as probabilistic weather forecasting and financial stress testing. By the end, participants will understand both the theory and practice, equipping them to apply vine copula-based methods in their work.

Participants are expected to have a basic knowledge of R and RStudio and an interest in statistical modeling and data analysis. Please ensure that you bring a laptop with the latest versions of R and RStudio installed.

Introduction to Machine Learning with R and mlr3
Bernd Bischl (LMU München, Germany), Michel Lang (UA Ruhr, Germany) and Marvin Wright (BIPS Bremen, Germany)

This tutorial provides a hands-on introduction to machine learning using R and the powerful mlr3 ecosystem. Designed for intermediate and experienced R users, the session covers fundamental machine learning concepts, workflows, and practical applications. Participants will learn how to train and evaluate supervised machine learning models, tune hyperparameters, perform benchmark experiments, and implement pipelines using mlr3's modular and extensible framework. The tutorial emphasizes reproducibility and efficient coding practices, showcasing how mlr3 integrates seamlessly with other R tools for data analysis. By the end of the session, attendees will be equipped with the skills to implement and interpret machine learning models in real-world projects. No prior experience in machine learning is required, though familiarity with R is recommended.

Prerequisites: Participants should have (at least) a basic knowledge of R and bring a laptop with recent versions of R and the mlr3verse package or access to R in the cloud, as well as their favorite IDE, e.g., RStudio.

Bayesian Data Analysis
Javier Enrique Aguilar, Luna Fazio (TU Dortmund, Germany) and Maximilian Scholz (U Stuttgart, Germany)

This workshop provides an introduction to the contemporary Bayesian workflow: participants will learn the core concepts that motivate the use of Bayesian inference, the computational tooling that enables one to work within this framework, and a set of practical guidelines to verify that the resulting models provide reliable inferences. Specific statistical methods that will be covered include basic linear regression, generalized linear models, hierarchical models, and prior specification. We will also discuss visualization and communication of results. Additional specialized topics may be covered based on participant interest and time availability.

Participants should be familiar with basic probability concepts (joint, conditional and marginal probabilities, expectation of a random variable and probability distributions). Prior experience with linear regression will be beneficial. To follow along with the exercises, participants should bring a personal laptop with a recent version of R (4.2 or higher) installed. Ideally, the rmarkdown, tidyverse, rstan and brms packages should also be installed beforehand.

Free Morning Tutorials

The DAGStat conference offers a unique opportunity for statisticians to exchange ideas with colleagues from diverse fields. The Free Morning Tutorials, in particular, aim to encourage statisticians to explore methods beyond those commonly used in their disciplines. Often, valuable insights from colleagues go unnoticed simply because they are presented in an unfamiliar context.

At the Free Morning Tutorials, four experts/teams from different backgrounds will share key challenges and methodological solutions in their respective fields.

Day	Room	Time slot	Session title
Wed, Mar 26	DOR24, Fritz Reuter	08:00 AM - 08:45 AM	Free Morning Tutorial - An introduction to individual participant data meta-analysis
	UL6, 2091	08:00 AM - 08:45 AM	Free Morning Tutorial - Inference for survival data subject to left truncation and right censoring: An introduction
Thu, Mar 27		08:00 AM - 08:45 AM	Free Morning Tutorial - Practical Bayesian Statistics: A gentle refresher on probability theory, Bayesian Framework and Intuition for effective application in Biostatistics
Fri, Mar 28	UL6, 1072	08:00 AM - 08:45 AM	Free Morning Tutorial - Confronting Data Quality: The Challenge We Love to Ignore

An introduction to individual participant data meta-analysis
Thomas Debray (Smart Data Analysis and Statistics BV, Utrecht, NL), Tim Friede (Universität Götingen, DE)

This tutorial session briefly introduces individual participant data (IPD) meta-analysis, covering its fundamental principles and common applications. Through more detailed analyses, including subgroup evaluations, participants will learn how IPD meta-analysis enhances research precision and relevance. The session will highlight key methodological considerations and practical advantages of using IPD over aggregate data. This session offers essential insights into applying IPD meta-analysis to real-world research questions.

Inference for survival data subject to left truncation and right censoring: An introduction
Rafael Weißbach and Eric Scholz (Universität Rostock, DE)

Dependent on the time scale, elementary distributions for a lifespan are the geometric and the exponential. The design deficit "left truncation" results when a unit can die before the study start. A full likelihood will not be advisable for computational reasons. The marginal and the conditional likelihood will allow closed-forms for the point estimate and the standard error. Statistics for the analysis are counts of deaths, as a function of age. For such a functional random variable, concepts of location and dispersion can gain from the nature of time. The elementary likelihood definitions can be combined with the concepts "memory" and "forgetting". We will discuss how these concepts are related to sigma-algebras, filtrations and coarsening or refining of filtrations. A combination of conditioning and marginalization can then yield an intuitive criterion function, and may be represented as a martingale transform. An elementary limit theorem yields the asymptotic normality of the parameter estimator. Right-censoring is taken into account as usual. We study 1.4 million German enterprises during the years 2018 and 2019 (Destatis AFiD panel) and 0.25 million German people during 2014-2016 (AOK health claims). The resulting life expectancies are ten years, for the enterprises, and 78 years, for the people. The widths of the confidence intervals are two and five months, respectively.

Practical Bayesian Statistics: A gentle refresher on probability theory, Bayesian Framework and Intuition for effective application in Biostatistics
Audrey Yeo (Independent)

The limitation of the application of Bayesian methods reflect two main issues; literacy for probability theory notation and high level Bayesian education. While Bayesian methodologies which are based on approximately three decades of philosophy, computation and theory (Bon et al, 2023) continues to have its challenges and limitations, impact and application for Bayesian methods far outweigh efforts to address these areas. Furthermore, familiarity with use of statistical software in the Bayesian setting will improve accessibility once the connection of theory and application has been established. The Drug Information Association Bayesian Scientific Working Group recommend that introductory training level training on Bayesian statistics and increased coverage of Bayesian methods at medical conferences and medical school training would help improve accessibility to medical researchers (Clark et al, 2023) . More empowerment through addressing probability theory literacy and Bayesian statistics intuition can be a constructive start in introducing state-of-art statistical software. One such impact application is Decision Gating, aided by the R software "phase1b", where paradigms of Posterior probabilities and Predictive Posterior probabilities can be used to calculate futility and efficacy interim and final analyses in early clinical trials (Yeo et al, 2024). The concept of the phase1b package is to evaluate the posterior probability that the response rate with a novel drug is better than with the current standard of care treatment which provides researchers or sponsors information on whether to further develop a drug either through designing for phase 2 or 3, or expanding current cohorts. Using prior distribution can incorporate any previous data via mixtures of beta distributions, which contributes to these posterior probability calculations. A simple demonstration using the phase1b package will illustrate how basic skills in probability theory and high level Bayesian training can already empower the application of the Bayesian Framework within Decision Gating. Other potential contributions of the Bayesian Framework will be compared to classical and frequentist tools such as the Bayesian's counterpart to the p values and confidence intervals. This short instruction addresses current accessibility issues which aims to empower attendees to use more Bayesian methodologies.

Confronting Data Quality: The Challenge We Love to Ignore
Carsten Oliver Schmidt (Universität Greifswald, DE)

High-quality analyses demand high-quality data—data that is truly fit for purpose. While the importance of data quality is widely acknowledged, its treatment in scientific practice remains surprisingly inadequate. This tutorial highlights critical shortcomings in data quality management and presents strategies for a more systematic and efficient approach.
Key challenges include inconsistent definitions of the concept, weaknesses in data preprocessing and initial data analysis, and a lack of systemic incentives for transparency. To address these shortcomings, the tutorial explores methods for streamlining data quality assessment and reporting. A key strategy is the separation of data knowledge from programming code, facilitating reusability, clearer communication, and enabling partially automated assessments.
Through applied examples, primarily in R, this tutorial demonstrates how improving data quality management can not only enhance research validity but also optimise the statistician's workflow.

Lehrkräftetag (Teachers' Event)

Please note that this event is an offer for teachers at German schools. Hence, the following information and the program itself are provided in German.

Organisation:
Deutsche Arbeitsgemeinschaft Statistik (DAGStat)
Leitung für die DAGStat: Prof. Dr. Karin Binder,
Karin.Binder@lmu.de

Programmkomitee:
DAGStat: Prof. Dr. Karin Binder, Prof. Dr. Sonja Greven (HU Berlin), Prof. Dr. Frank Konietschke (Charité Berlin), Eliza Mandieva (HU Berlin), Dr. Dörte Huscher (Charité Berlin) Prof. Dr. Andreas Filler (HU Berlin), Prof. Dr. Ulrich Kortenkamp (Universität Potsdam)

Ort:
Humboldt-Universität zu Berlin, Dorotheenstrasse 24, 10099 Berlin.

Programm:

Raum	Zeit slot	Titel	Vortragender
DOR24, Fritz Reuter	14:30 - 14:40	Einführung	Karin Binder Sonja Greven
DOR24, Fritz Reuter	14:40 – 15:40	Das P-Wert Theater – Spektakuläre Signifikanzen und Alpha-Tistik	Geralinde Rauch (Präsidentin der TU Berlin)
DOR24, 1.103	16:00 - 17:30	Eiszeiten und Warmzeiten gab es doch schon immer: Statistische Werkzeuge zur Bewertung von Umweltrisiken im Zeiten des Klimawandels	Joachim Engel Laura Martignon (PH Ludwigsburg)
DOR24, 1.205	16:00 - 17:30	Verlässliche Daten für eine starke Demokratie: Verwendung amtlicher Statistiken für Ihren Unterricht	Mike Maisack Jannek Mühlhan (Statistisches Bundesamt)
DOR24, 1.102	16:00 - 17:30	Mit faulen Eiern lässt sich kein guter Kuchen backen – Was Lehrkräfte, Schüler über Datenqualität wissen sollten	Sarah Huber (STAT-UP)
DOR24, 1.204	16:00 - 17:30	Data Literacy - Im Spannungsfeld zwischen Evidenz und Unsicherheit	Moritz Herrmann (LMU München)
DOR24, Fritz Reuter	17:45 – 18:30	Von qualitativer Forschung zu innovativen Ansätzen in der Data Science Education: Einsichten und Methoden aus dem ProDaBi-Projekt	Susanne Podworny (Universität Paderborn)
DOR24, Fritz Reuter	18:30 – 18:45	Ausklang, Feedback	
DOR24, Fritz Reuter	19:00- 20:30	Vortrag für die Öffentlichkeit "Wie kann man Ärzten und Patienten helfen, Gesundheitsstatistiken zu verstehen?"	Gerd Gigerenzer (em. Direktor des Max-Planck-Instituts für Bildungsforschung in Berlin)

Das P-Wert Theater – Spektakuläre Signifikanzen und Alpha-Tistik
Prof. Dr. Geraldine Rauch (Präsidentin der TU Berlin)

Wer kennt ihn nicht – den sagenumwobenen p-Wert? Er ist klein, er ist flink, er ist signifikant. Oder doch nicht? Manchmal scheint er zu schrumpfen, dann schmückt er sich mit Sternchen. Er kennt einige Tricks, quetscht sich durch Alpha-Schranken, vervielfacht sich, er ist schillernd, bildet Horden und ist schwer zu greifen. Meine Damen und Herren – es erwartet Sie – das P-Wert Theater. Lassen Sie sich täuschen von scheinbaren Signifikanzen und signifikanten Scheinwelten. Sehen Sie klar, oder sehen sie doppelt. Versetzen Sie Grenzen, ganz wie es Ihnen beliebt. Kein Forschungsergebnis erscheint ihm unerreichbar, kein Subgruppenanalyse zu banal. Kommen Sie uns staunen Sie – mit Mr P!

Es erwarten sie viele atemberaubende Nummern. Wir werfen mit Geld, um Mister P zu beschreiben. Wir essen Süßigkeiten, um Mr P zu zähmen. Wir trennen Schein vom Sein – um Mr P zu erfassen. Wir begeben uns auf psychologische Reisen, um Mr P zu verstehen. Wir setze Mr P in den Wettbewerb und sehen, was er wirklich kann.

Unsere Show kostet keinen Eintritt. Wir verlangen weder Summenzeichen noch Formelscheine. Wir genießen eine Zeit voller Widersprüche und Logik. Wir genießen eine Zeit voller Fragen, Zweifeln und verstehen. Denn noch bevor unsere Show vorbei ist, werden Sie sehen – Mr P ist schwer zu durchschauen, aber Sie werden den anderen einen Schritt voraus sein.

Workshop 1: Eiszeiten und Warmzeiten gab es doch schon immer: Statistische Werkzeuge zur Bewertung von Umweltrisiken im Zeiten des Klimawandels

Joachim Engel (Pädagogische Hochschule Ludwigsburg), Laura Martignon (Pädagogische Hochschule Ludwigsburg)

In diesem Workshop werden Unterrichtsmaterialien vorgestellt, die darauf abzielen, statistische Kompetenzen zur Identifizierung und Beurteilung von Risiken und damit verbundenes kritisches Denken im Kontext der Klimakrise von Schülerinnen und Schülern zu fördern.
Kenntnisse zu Wahrscheinlichkeiten und Statistik sind zentral, um Daten zu analysieren und zu visualisieren und somit, um die Auswirkungen des Klimawandels besser zu verstehen (Guimarães et al., 2023). Risikokompetenz spielt eine zentrale Rolle bei der Beurteilung von Klimarisiken und beim Treffen von Entscheidungen unter Unsicherheit. Risiken zu erkennen, zu analysieren, abzuwägen und fundierte Entscheidungen darüber zu treffen ist dabei fundamental (Martignon & Hoffrage, 2019). Dabei werden intuitive Konzepte wie Wahrscheinlichkeiten und erwartete Werte verwendet, um die Schülerinnen und Schüler zu befähigen, bewusste Entscheidungen in unsicheren Situationen zu treffen.
Mit Hilfe der vorgestellten Materialien sind Schülerinnen und Schüler der Sekundarstufe I und II in der Lage, Datensätze zu erkunden, die der Klimaforscher Stefan Rahmsdorf als die fünf wichtigsten Datensätze in der Klimatologie bezeichnet: CO2-Konzentration und Temperatur in 420°000 Jahren Erdgeschichte und deren Vergleich mit dem CO2-Anstieg der letzten 60 Jahre, der Anstieg der globalen Durchschnittstemperatur, der Anstieg des Meeresspiegels und der Rückgang des Meereises.
Das Spiel „Mazu – the Tragedy of Commons" simuliert die Problematik der Übernutzung gemeinsamer Ressourcen und fordert (unter Nutzung der im Spiel gesammelten Daten) die gemeinsame Suche nach nachhaltigen Lösungen heraus.
Die Untersuchungen der Daten sowie die Simulationen von Risiko werden mit Hilfe der frei verfügbaren, didaktisch konzipierten Software CODAP (Common Online Data Analysis Platform) durchgeführt Alle vorgestellten Materialien wurden im Rahmen des Erasmus+ Projekts „EduS4EL" (Educational Strategies for Environmental Literacy; https://www.edus4el.eu/) entwickelt.

Adressatinnen und Adressaten: Der Workshop richtet sich an interessierte Lehrkräfte der Sekundarstufe I und II
Aktivitäten im Workshop: Im Workshop arbeiten Sie mit mehreren frei zugänglichen, didaktisch konzipierten digitalen Werkzeugen zur Erkundung des Klimawandels, zur Identifikation und Bewertung von Risiken und zur Entscheidungsfindung bei der Nutzung von Gemeingütern.

Martignon, L. & Hoffrage, U. (2019) Wer wagt, gewinnt? Wie Sie die Risikokompetenz von Kindern und Jugendlichen fördern können. Göttingen: Hogrefe Verlag.

Guimarães, N, Vehkalahti , K., Campos, P. & Engel, J. (2023). Exploring Climate Change Data with R. In J. Ridgway,(Ed.), Statistics for empowerment and social engagement: Teaching Civic Statistics to develop informed citizens. Springer

Workshop 2: Verlässliche Daten für eine starke Demokratie: Verwendung amtlicher Statistiken für Ihren Unterricht
Mike Maisack, Jannek Mühlhan (Statistisches Bundesamt)

Datenkompetenz gehört neben Medienkompetenz zu den Schlüsselqualifikationen, die zukünftige mündige Wählerinnen und Wähler in Zeiten der herausgeforderten Demokratie dringend benötigen. Schülerinnen und Schüler müssen frühzeitig den kritischen Umgang mit Daten und Statistiken erlernen, gerade in Zeiten in denen Falschinformationen und qualitativ minderwertige oder aus dem Zusammenhang gerissene Statistiken gezielt zur Desinformation eingesetzt werden.

Statistiken helfen uns, die komplexe Realität darzustellen und zu verstehen. Dadurch sind Politikerinnen und Politiker sowie andere Entscheidungsträger aus der Gesellschaft und Wirtschaft in der Lage, faktenbasierte Entscheidungen zu treffen. Zu diesem Zweck erhebt, verarbeitet und veröffentlicht die amtliche Statistik unabhängige, unparteiische und objektive Statistiken und Daten mit hohem Qualitätsanspruch.

In diesem Workshop werden wir zunächst die Akteure, die Strukturen und die Vorgehensweise der amtlichen Statistik betrachten.

Nachdem wir verstanden haben, wie im Statistischen Bundesamt Statistiken entstehen, schauen wir uns an, wie unsere Informationen, also unsere Produkte, die verschiedenen Interessengruppen in der Gesellschaft erreichen.

Die Datenzugangswege reichen von Datenbanken und Dashboards (grafische Benutzeroberflächen zur Visualisierung von Daten) über Pressekonferenzen, Websites und Social Media Accounts bis hin zu einem Auskunftsdienst, der von jeder Bürgerin und jedem Bürger kostenlos in Anspruch genommen werden kann. Wissenschaftlerinnen und Wissenschaftler erhalten Zugang zu Individualdaten (Mikrodaten) der amtlichen Statistik über unser Forschungsdatenzentrum (FDZ)

Wer sich ein wenig mit der Bedienung und Auswertung von (statistischen) Datenbanken auskennt, kann sich in der Genesis-Datenbank aus all unseren Statistiken die für sie oder ihn relevanten Daten zusammenstellen. Hierbei sind oft auch Vergleiche über lange Zeiträume möglich. Genau das wollen wir mit Ihnen zusammen üben. Wir werden Ihnen eine Anleitung zum Downloaden eines Datensatzes zusenden und diese „echten“ Daten in unserem Workshop gemeinsam auswerten und bearbeiten.

Abschließend wollen wir Ihnen zeigen, wie Sie auch das Mikrodatenangebot des FDZ für fortgeschrittene Unterrichtsinhalte (z.B. Korrelationsanalysen mit echten anonymisierten Einzeldaten) verwenden könnten.

Wir glauben, dass in Zeiten von „gefühlten Wahrheiten“ und „alternativen Fakten“ der möglichst barrierefreie Zugang und die „Lesbarkeit“ von Statistiken und Daten (Data Literacy) für Schülerinnen und Schüler genauso wichtig ist, wie die oft diskutierte Medienkompetenz und der informierte, kritische Umgang mit Medien im Allgemeinen.

Der Workshop wird Sie dabei unterstützen, Materialien und Daten des Statistischen Bundesamtes in Ihren Unterricht einzubauen und Ihren Schülern die Notwendigkeit qualitativ hochwertiger Daten und Statistiken nahezubringen.

Übrigens: Kennen Sie die European Statistics Competition? Hier können Schüler auf Basis einer mathematischen Fragerunde sowie anhand einer exemplarischen Auswertung ihre statistischen Fähigkeiten unter Beweis stellen.

Was Sie für unseren Workshop mitbringen müssen:

- Einen Laptop inkl. Software zur Tabellenkalkulation mit der sich *.csv-Dateien öffnen und bearbeiten lassen (bspw. Microsoft Excel)
- Ein vorab anhand einer Anleitung heruntergeladener Datensatz der amtlichen Statistik (Zusendung der Anleitung an Teilnehmende des Workshops erfolgt nach Anmeldung)

Workshop 3: Mit faulen Eiern lässt sich kein guter Kuchen backen – Was Lehrkräfte, Schüler über Datenqualität wissen sollten
Sarah Huber (STAT-UP)

„Garbage in, Garbage Out“: Wie ein Kuchen gute Zutaten braucht, erfordern evidenzbasierte Entscheidungen hochwertige Daten. Nur Daten, die bestimmte Qualitätskriterien erfüllen, führen zu uneingeschränkt verlässlichen Entscheidungen. Die Ansprüche an Daten, wie sie beispielsweise vom statistischen Amt der Europäischen Union formuliert werden, sind umfassend (Europäische Union, 2020). Angesichts der Relevanz von Daten für das tägliche Leben sowie der Forderungen nach grundlegender Datenkompetenz in der Gesellschaft (Schüller et al., 2021), scheint es notwendig, Aspekte der Datenqualität bereits im Schulunterricht exemplarisch zu adressieren.

In verschiedenen Fächern ergeben sich hierfür immer wieder gute Lerngelegenheiten: Auf welchen Annahmen beruhen Klimamodelle, die im Geographieunterricht behandelt werden? Wie präzise spiegeln die im Sozialkundeunterricht diskutierten Wahlumfragen die politische Orientierung der Bevölkerung wider? Was ist bei der Planung von Datenerhebungen im Mathematikunterricht zu beachten? Da die Qualität von Daten in der Lehramtsaus- und weiterbildung – ebenso wie in vielen anderen gesellschaftlichen Bereichen – oft zu wenig Beachtung findet, zeigt dieser Workshop auf, warum eine Diskussion über Datenqualität schon im Schulunterricht lohnenswert ist und wie sie erfolgreich umgesetzt werden kann.

Konkret wird beispielsweise beleuchtet, wie fehleranfällig Umfragen sein können und inwiefern die Ergebnisse von Modellrechnungen von den zugrundeliegenden Annahmen abhängen. Anhand aktueller Beispiele aus verschiedenen Anwendungskontexten wird aufgezeigt, welche schwerwiegenden Auswirkungen Entscheidungen auf zweifelhafter Datengrundlage auf die Gesellschaft haben können. Diese Beispiele werden so aufbereitet, dass sie im Schulunterricht eingesetzt werden können, um Schülerinnen und Schüler darin zu fördern, Daten und die daraus resultierenden Ergebnisse kritisch zu hinterfragen.

Aktivitäten im Workshop: Im Workshop arbeiten Sie mit Ausschnitten aus Fachpublikationen zu aktuellen Anwendungskontexten sozialwissenschaftlicher Forschung, in denen die Datenqualität von besonderer Bedeutung ist. Ausgehend von diesen Beispielmaterialien werden Anwendungsbeispiele für das eigene Unterrichtsfach erarbeitet und diskutiert.

Europäische Union. (2020). European Statistical System handbook for quality and metadata reports - 2020 edition. https://doi.org/10.2785/666412

Schüller, K., Koch, H., & Rampelt F. (2021). Data Literacy Charter. Stifterverband. https://www.stifterverband.org/sites/default/files/data-literacy-charter.pdf

Workshop 4: Data Literacy – Im Spannungsfeld zwischen Evidenz und Unsicherheit
Moritz Herrmann (LMU München)

Ist Kaffee nun gesund – oder doch nicht?
Ein Glas Rotwein am Abend, das ewige Gesundheitswunder – oder eher nicht? Wie aussagekräftig sind Studien, die uns raten, bestimmte Lebensmittel zu meiden oder eben nicht? Und diese repräsentative Umfrage, in der 60 Entscheidung unzufrieden zu sein. Wie aussagekräftig ist das Ergebnis wirklich?

Diese Fragen führen uns mitten ins Herz eines spannenden Themenfelds: Wie können wir in der modernen, datengetriebenen Welt zwischen Anekdote und wissenschaftlicher Evidenz, zwischen Fakt und Fake unterscheiden? Kann man überhaupt noch etwas „mit Sicherheit“ sagen?

Zwischen Evidenz und Fehlinformation
In diesem Workshop widmen wir uns der Rolle von Daten und Statistik bei der Erkenntnisgewinnung – und auch den Stolperfallen, die dabei lauern. Denn Statistik ist einerseits ein mächtiges Werkzeug, das uns hilft, die Welt auf Basis von Daten besser zu verstehen. Andererseits kann sie, wenn falsch angewendet, dargestellt oder verstanden, auch leicht zu falschen Schlussfolgerungen, Fehlurteilen und Fehlinformationen führen. Das berühmte Bonmot „Traue keiner Statistik, die du nicht selbst gefälscht hast“ bekommt hier eine ganz neue Bedeutung.

Statistische Signifikanz – ein oft falsch verstandener Schlüsselbegriff
Signifikanztests zählen zu den bekanntesten und am häufigsten verwendeten statistischen Methoden. Sie sind nicht nur in der Wissenschaft allgegenwärtig, sondern tauchen oft auch in den Medien und im öffentlichen Diskurs auf. Schlagworte wie „statistisch signifikant“ und „repräsentative Umfrage“ werden gerne genutzt, um Ergebnisse als vertrauenswürdig und überzeugend darzustellen. Doch was bedeutet das genau? Was heißt repräsentativ? Was unterscheidet ein statistisch signifikantes Ergebnis von einem nicht signifikanten? Warum sind Signifikanztests so häufig missverstanden? Und was bedeutet das alles für den Mathematikunterricht?

Aktivitäten im Workshop: Anhand praktischer Beispiele und konkreter Anwendungen beleuchten wir gemeinsam das Wesen von statistischen Schlussfolgerungen am Beispiel von Signifikanztests. Sie lernen, wie diese richtig interpretiert werden, und wie Sie das Thema auf interessante und verständliche Weise in Ihren Unterricht integrieren können. Damit können Sie nicht nur Ihren Unterricht bereichern, sondern auch Ihre eigene Sicht auf den Umgang mit Daten und Fakten schärfen.

Von qualitativer Forschung zu innovativen Ansätzen in der Data Science Education: Einsichten und Methoden aus dem ProDaBi-Projekt

Dr. Susanne Podworny (Universität Paderborn)

Der Ausgangspunkt des Vortrags sind Forschungsarbeiten des Projekts „Data Science und Big Data in der Schule“ (ProDaBi, www.prodabi.de), das seit 2018 die Entwicklung, Erprobung und empirische Untersuchung von Unterrichtsmaterialien im Bereich Data Science vorantreibt. Es werden Erkenntnisse aus dem Projekt vorgestellt und diese in Zusammenhang mit internationalen Entwicklungen der Data Science Education eingeordnet.

Im Fokus stehen zwei Unterrichtsreihen zu Data Science in der Sekundarstufe I. In der ersten Unterrichtsreihe „Datenexploration – Datendetektive bei der Arbeit“ geschieht eine Einführung in Data Science, in der das leicht zugängliche Werkzeug CODAP eingesetzt wird und ein realer Datensatz über Umfragedaten zu Freizeitaktivitäten und Mediennutzung Jugendlicher exploriert wird. Empirische Forschung zeigt, wie Schülerinnen und Schüler Zusammenhänge zwischen zwei Variablen darstellen, die teilweise bis zu sieben Ausprägungen haben, eine Interpretation davon erweist sich teilweise als schwierig (Podworny & Fleischer, 2022), was auch in anderen Studien aufgetreten ist. Eine Modellierung der Variablen so, dass Ausprägungen zusammengefasst werden, kann Abhilfe schaffen beim Interpretieren von Zeilen-, Spalten- und Zellenprozenten. CODAP stellt ein Tool dar, das für Lernende leicht zugänglich ist.

In der zweiten Unterrichtsreihe explorieren Schülerinnen und Schüler Umweltdaten anhand des neuen Ansatzes des epistemischen Programmierens (Hüsing et al., 2023). In dieser Reihe erheben Schülerinnen und Schüler Daten aus ihrer Umwelt selbst mit Arduinos (Senseboxen), die sie mit Python in Jupyter Notebooks auswerten. So erlangen sie Erkenntnisse sowohl auf der Ebene des Programmierens als auch auf der Sachebene. Geleitet werden die Schülerinnen und Schüler durch Worked Examples. Forschung hat gezeigt, dass anhand von Worked Examples Schülerinnen und Schüler befähigt gewesen sind, eigene Datenexplorationen mit Jupyter Notebooks durchzuführen (Podworny et al., 2021) und bedeutungsvolle Visualisierungen zu erstellen.

Das Unterrichten datenbasierter Evidenz wird immer relevanter, insbesondere für zivile Fragestellungen (Ridgway, 2022). Zugängliche Tools wie CODAP ermöglichen erste explorative Zugänge, während professionellere Anwendungen wie R oder Python in Jupyter Notebooks tiefere Analysen unterstützen. Diese Werkzeuge fördern Datenkompetenz, kritisches Denken und die Fähigkeit, datenbasierte Erkenntnisse in relevanten Kontexten anzuwenden. Projekte wie ProDaBi oder auch ProCivicStat zeigen, wie datenbasierte Evidenz erfolgreich in den Unterricht integriert werden kann.

Literatur

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Young Statisticians

The Young Statisticians Session is organized by the IBS-DR Early Career Working Group in cooperation with the DStatG and the GfKl and can be seen as a valuable opportunity to gain conference experience. The selected Young Statisticians will present their research in a friendly atmosphere and will have the opportunity to receive feedback on their presentations. We invite all early career statisticians as well as experienced statisticians to join the audience. Each presentation will be followed by a short Q&A session where questions from the audience are welcome.

Location	Day / Time	Title
UL6, 2091	Thu, Mar 27 09:00 AM - 10:40 AM	**Section 91 Young Statisticians**
	09:00 AM - 09:20 AM	Marginal Matched Pairs Cox Regression Jana Kinzel
	09:20 AM - 09:40 AM	DGrowthR: a integrative statistical modeling and inference framework for large-scale bacterial growth data Medina Feldl
	09:40 AM - 10:00 AM	Optimal Designs for Non-Linear Segmented Regression Jan-Bernd Igelmann
	10:00 AM - 10:20 AM	Projections of multidimensional count data IRT models and their empirical indistinguishability Loreen Sabel
	10:20 AM - 10:40 AM	Causality in Extremes: Exploring the General Case of Different Tails Lisa Leimenstoll

Panel Discussion: Worst Practices in Research and How to Avoid Them

Chairs: Ina Dormuth (TU Dortmund, Germany), Lukas Burk (BIPS, Germany)
Time: Thursday, March 27, 03:00 PM – 04:20 PM
Location: UL6, 2091

What are the most common pitfalls in research, and how do they impact scientific integrity? From onboarding and project design to publication and peer review, challenges arise in both academia and industry. This panel discussion will examine issues such as publication pressure, authorship disputes, data transparency, and the influence of AI tools like ChatGPT. Our invited panelists will share their perspectives on these topics. The session will be interactive, using Mentimeter polls to engage the audience and gather perspectives. We invite researchers at all career stages to join the discussion and contribute their experiences and questions.

Panelists:

- Anne-Laure Boulesteix (LMU Munich)
- Sarah Friedrich-Welz (University of Augsburg)
- Cornelia Ursula Kunz (Boehringer Ingelheim)
- Björn-Hergen Laabs (Universität zu Lübeck)
- Markus Pauly (TU Dortmund)

Location	Day / Time	Title
UL6, 2091	Thu, Mar 27 03:00 PM - 04:20 PM	**Section 91 Young Statisticians Panel Discussion: Worst Practices in Research and How to Avoid Them**

Statistics for the Public

Wie kann man Ärzten und Patienten helfen, Gesundheitsstatistiken zu verstehen?

Öffentlicher Vortrag
Time: Monday, March 24, 7:00 pm – 8:30 pm
Location: Dorotheenstrasse 24, Fritz-Reuter-Saal

Viele Ärzte, Patienten, Journalisten und Politiker verstehen Gesundheitsstatistiken nicht. Noch schlimmer, die meisten bemerken dies nicht einmal. Kollektiver statistischer Analphabetismus bezeichnet die weit verbreitete Unfähigkeit, die Bedeutung von Zahlen zu verstehen. Beispielsweise wissen viele Ärzte nicht, dass höhere Überlebensraten bei Krebsfrüherkennung nicht längeres Leben bedeuten, oder dass die Aussage, dass Mammographie-Screening das Risiko, an Brustkrebs zu sterben, um 20 % reduziert, tatsächlich bedeutet, dass 1 Frau von 1.000 weniger an der Krankheit stirbt. Die Ursachen für statistischen Analphabetismus liegen unter anderem in der unzureichenden Vermittlung statistischen Denkens in der medizinischen Ausbildung, der emotionalen Dynamik der Arzt-Patient-Beziehung und den Interessenkonflikten innerhalb der Gesundheitsbranche. Solche Konflikte führen regelmäßig dazu, dass Informationen – sowohl in Patientenbroschüren als auch in medizinischen Fachzeitschriften – absichtlich so formuliert werden, dass die Vorteile von Interventionen übertrieben und ihre Risiken heruntergespielt werden.

Dieses seit lange existierende Problem hätte eine Lösung. Unsere Studien zeigen, dass bereits wenige Stunden gezieltes Training das Verständnis von Gesundheitsstatistiken bei Ärzten und Medizinstudenten erheblich verbessert. Techniken wie die Verwendung von natürlichen Häufigkeiten statt bedingten Wahrscheinlichkeiten oder absoluter Risiken anstelle relativer Risiken erweisen sich als besonders effektiv. Die Verbesserung der statistischen Kompetenz ist unerlässlich – nicht nur für eine informierte Einwilligung im Gesundheitswesen, sondern auch für die Förderung mündiger Bürger in einer technologischen Demokratie.

Über den Vortragenden:
Gerd Gigerenzer ist ein renommierter deutscher Psychologe, der sich auf Entscheidungsfindung und Risikokompetenz spezialisiert hat.

Er erlangte 1974 sein Diplom in Psychologie, promovierte 1977 und habilitierte sich 1982 an der Universität München. Gigerenzer war Professor in Konstanz und Salzburg sowie von 1992 bis 1995 an der University of Chicago. 1995 übernahm er die Leitung des Max-Planck-Instituts für Psychologische Forschung in München und ab 1997 des Max-Planck-Instituts für Bildungsforschung in Berlin. Seit 2009 führt er das Harding-Zentrum für Risikokompetenz, das 2020 nach Potsdam verlegt wurde.

Gigerenzer erforscht Entscheidungsprozesse unter Zeitdruck und mit begrenzten Informationen. Dabei hat er Konzepte wie begrenzte, ökologische und soziale Rationalität geschaffen, die das Zusammenspiel von Umwelt und kognitiven Prozessen erklären. Das Konzept der begrenzten Rationalität zeigt, dass Menschen einfache Faustregeln nutzen, die irrelevante Informationen ignorieren. So trafen Ärzte bessere Entscheidungen mit wenigen Kriterien, statt einem komplexen Katalog.

In der Risikokommunikation hat Gigerenzer gezeigt, dass absolute Zahlen statt Prozentangaben Risiken verständlicher machen. Er schult Ärzte, Richter, Journalisten und Bürger in Risikokompetenz, um informierte Entscheidungen in der modernen Welt zu fördern. Sein Ziel ist der mündige Bürger.
Neben seiner akademischen Tätigkeit ist Gigerenzer Gründer und Gesellschafter von Simply Rational – Das Institut für Entscheidung. Er ist Vizepräsident des European Research Council (ERC) und engagiert sich in der Vermittlung von Risikokompetenz an Ärzte, Richter, Journalisten und die breite Öffentlichkeit. Das Gottlieb Duttweiler Institut hat Gigerenzer als einen der 100 einflussreichsten Denker der Welt bezeichnet.

Statistical Practice

Open and Reproducible Research - an interactive workshop
Heidi Siebold (Digital Research Academy)

Duration: 100 Minutes

Openness in research is gaining momentum—funders, journals, and institutions increasingly prioritize Open Science. But why is that, and what does this shift mean for you? How can you get up to speed on open data, open code, open access, preregistration, data management plans, and more?

Practicing Open Science can be challenging, and researchers often struggle with where to begin (or with wanting to be perfect right away). This interactive workshop is designed to meet you where you are and help you take meaningful steps toward greater openness in research.

As statisticians, we have a unique perspective on Open Science, as many of its goals—such as transparency, reproducibility, and rigor—align with statistical principles. Our expertise in data analysis, study design, and methodology makes us key players in addressing the very challenges Open Science seeks to solve.

Join us as we explore practical, achievable strategies for incorporating Open Science into your workflow. We'll cover essential best practices such as organizing files and folders effectively, naming conventions, keeping good documentation, developing plans, and more. Whether you're just starting out or looking to refine your approach, this workshop will provide actionable insights to help you navigate the evolving landscape of Open Science.

There are no prerequisites for this workshop. If possible, please bring your laptop. The workshop is split into two sessions, and it is recommended to attend both.

Day	Room	Time slot	Session title
Wed, Mar 26	UL6, 3075	09:00 AM - 10:40 AM	Statistical Practice: Open and Reproducible Research - an interactive workshop Part I
		02:00 PM - 03:20 PM	Statistical Practice: Open and Reproducible Research - an interactive workshop Part II

The series "Education for Statistics in Practice" was initiated in 2010 by Willi Sauerbrei (Freiburg). This year it was organized by Anne-Laure Boulesteix (Munich).

About the presenter:
Dr. Heidi Seibold is co-founder co-executive director of the Digital Research Academy, a trainer network focused on Open Science, Data Literacy and Research Software Engineering. Her research used to be at the intersection of statistics, machine learning and medicine, before wandering into the field of Open Science. She left her academic career in 2021 to pursue her passion of helping researchers improve the quality of their research through good scientific practices and Open Science. She is in the steering group of the German Reproducibility Network and initiated the Open Science Retreat, an unconference that is in its third year now. Heidi writes a successful newsletter on open and reproducible data science with >2000 subscribers.

Panel Discussion: In Times of AI

Moderator: Claudia Kirch (OVGU Magdeburg)
Time: Wednesday, March 26, 05:30 PM – 06:30 PM
Location: UL6, 2002

Statistics has long been the backbone of empirical research and decision-making. With the rapid advancements in artificial intelligence (AI) and machine learning, the field of statistics is undergoing a profound transformation. AI-driven models can process vast amounts of data, identify complex patterns, and make predictions with unprecedented accuracy. However, this raises questions about interpretability, reliability, uncertainty quantification, and ethical considerations.

A panel of experts from academia and industry will discuss the evolving role of statistics in the era of AI. They will explore how classical statistical methods integrate with AI-driven approaches, what challenges arise regarding data quality and bias, and how statistics can contribute to increase transparency and trust in AI-generated insights.

Discussants include:

- David Blei (Columbia)
- Eike Hüllermeier (LMU Munich)
- Thomas Kneib (GAU Göttingen)
- Claudia Dallinger (Böhringer Ingelheim)
- Susan Murphy (Harvard)
- Marvin Wright (U Bremen/BIPS)

Day	Room	Time slot	Session title
Wed, Mar 26	DOR24, Fritz Reuter	05:30 PM - 06:30 PM	Panel Discussion: In Times of AI

Deutsche ArbeitsGemeinschaft Statistik (DAGStat)

Day	Room	Time slot	Session title
Thu, Mar 27	UL6, 2091	04:40 PM - 05:40 PM	Celebrating 20 Years of DAGStat
		05:40 PM - 06:00 PM	DAGStat Medal Awards

Gesellschaft für Klassifikation - Data Science Society (GfKl)

Day	Room	Time slot	Session title
Tue, Mar 25	UL6, 1072	03:20 PM - 05:00 PM	GfKl Mitgliederversammlung
		06:30 PM - 07:00 PM	GfKl AG DANK

German Region of the International Biometric Society (IBS-DR)

Day	Room	Time slot	Session title
Mon, Mar 24	DOR24, 1.402	02:00 PM - 03:00 PM	IBS-DR Vorstandssitzung
		03:00 PM - 06:00 PM	IBS-DR Beiratssitzung
Tue, Mar 25	DOR24, 1.403	12:10 PM - 01:20 PM	IBS-DR AG Öffentlichkeitsarbeit
	DOR24, 1.404	12:10 PM - 01:20 PM	IBS-DR AG Lehre und Didaktik in der Statistik
	DOR24, 1.405	12:10 PM - 01:20 PM	IBS-DR AG Nichtparametrische Methoden
	DOR24, 1.406	12:10 PM - 01:20 PM	IBS-DR AG Non-Clinical Statistics
Wed, Mar 26	DOR24, 1.402	12:20 PM - 01:30 PM	IBS-DR AG Statistische Methoden in der Epidemiologie
	DOR24, 1.403	12:20 PM - 01:30 PM	IBS-DR AG Nachwuchs
	DOR24, 1.404	12:20 PM - 01:30 PM	IBS-DR AG Bayes Methodik
	DOR24, 1.405	12:20 PM - 01:30 PM	IBS-DR AG Populationsgenetik und Genomanalyse
	DOR24, 1.406	12:20 PM - 01:30 PM	IBS-DR AG Statistik stochastischer Prozesse
	UL6, 3038	03:30 PM - 05:30 PM	IBS Members' meeting
Thu, Mar 27	DOR24, 1.403	12:20 PM - 01:20 PM	IBS-DR AG LeiterInnen
	UL6, 2091	01:20 PM - 02:40 PM	IBS-DR Young Talent Award

Gumbel Exhibition, Talk and Documentary Movie

Exhibition Time: Monday, March 24, 2025, till Wednesday, May 14, 2025
Access: Monday till Friday, 8:00 AM - 7:00 PM, Location: UL6, Lichthof

Emil J. Gumbel (1891 - 1966) - Statistician, pacifist, publicist. In the fight against extremes and for the Weimar Republic

An exhibition about Emil J. Gumbel is shown at Humboldt-Universität zu Berlin from March 24 until May 14, 2025. It is located in the main building Unter den Linden 6, in Lichthof (Ost), on the ground floor.

The exhibition is dedicated to the life and work of Emil J. Gumbel (1891 Munich - 1966 New York), the German-US-American statistician, political activist, and pacifist.

Gumbel is well known for his outstanding contributions to extreme value statistics, his famous book "Statistics of Extremes" was published in New York in 1958. However, Emil J. Gumbel was not only the author of articles on various topics in statistics, e.g. population statistics, criminal statistics, business statistics, and statistical methods for engineers. He was also the author of hundreds of newspaper articles against the German right-wing nationalistic groups, against the Nazi movement. He advocated for peace and collaboration between the national states after WW I. As an active member of the "German Ligue for Human Rights" (Deutsche Liga für Menschenrechte), he participated in many of their activities. His famous book "Four Years of Political Murder" (Vier Jahre politischer Mord, 1922) was published in their publication house. In the 1920s, he was one of the best known political authors, who defended the Weimar Republic and who very early warned of the dangers of the Nazi movement. He published more than 12 political books and booklets between 1918 and 1932. His legacy as a political author is his book "Vom Fememord zur Reichskanzlei" (Heidelberg 1962).

These political activities led to him being displaced from the Heidelberg University – where he was Privatdozent since 1923 and professor since 1930 - already in July 1932, due to the pressure from the Nazi student organization and the cowardice of his colleagues at the faculty. However, this presumably saved his live. In January 1933, he was living in Paris, and with the help of his French colleagues he was invited as guest professor at the Institut Henri Poincaré. From 1934 to 1940, he was maitre des recherche at the newly founded "Institut de Science Financière et d'Assurances" (ISFA) of the University Lyon. Gumbel was the only scientist among 33 persons who were on the first "Ausbürgerungsliste" (List of Expatriation) of the Nazi's in August 1933. In 1940, he had to flee again. He escaped to New York, which was possible thanks to an affidavit of the New School for Social Research, where he was professor from 1940 until 1945. Since 1953, he was affiliated with the Columbia University.

The exhibition on Gumbel explains and illustrates his academic career, his political activities in the 1920s in Germany and the 1930s in exile, his family members, his comrades in the Ligue, and his colleagues in the world of academia. The exhibition was developed by a team of scholars, including Prof. Dr. Matthias Scherer (TU Munich), Dr. Lexuri Fernández, Dr. Werner Frese, Dr. Isabella Wiegand, and Prof. Dr. Annette Vogt (MPIWG, HU Berlin). An exhibition catalogue of the German version was published in 2024 by the Helmut-Schmidt University Hamburg (Scherer/Vogt (2024)).

At the Welcome reception, there will be a talk by Annette Vogt on Emil Gumbel. A documentary film about Gumbel produced by David Ruf (2023) will be shown in the last parallel sessions of Tuesday, Wednesday and Thursday, with a discussion by Annette Vogt and David Ruf after the film on Thursday.

Emil J. Gumbel - Statistician, political author, and political activist (Talk).
Time: at the Welcome reception, Tuesday, March 25, 2025, from 7:00 PM to 9:00 PM
Location: OCTOGON by Dr. Thompson´s, Leipziger Platz 14, 10117 Berlin

Emil Gumbel: The prediction of extreme events (Documentary Movie).
Times and Locations:
Tue, March 25, 5:10 PM - 6:30 PM, DOR24-1.103,
Wed, March 26, 3:50 PM - 5:10 PM, UL6-2091,
Thu, March 27, 4:40 PM - 6:00 PM, UL6-2094 (with discussion by D. Ruf, A. Vogt)

Scientific Program

We invite you to participate in the 7th Joint Statistical Meeting DAGStat 2025 in Berlin. This event integrates the 71st “Biometrisches Kolloquium” of the German Region of the International Biometric Society (IBS-DR), the Spring Meeting of the German Statistical Society (DStatG) and the 48th Annual Conference of the Gesellschaft für Klassifikation (GfKl) – Data Science Society. Following the motto "Statistics under one umbrella", the conference will showcase contributions from all 15 societies within the DAGStat, illustrating the breadth and interconnectedness of statistical approaches and applications.

Plenary talks will explore timely and cross-disciplinary themes relevant to statisticians from diverse areas. Invited talks by international experts showcase cutting-edge research in the 35 topic sections covered by the conference. In addition to a broad range of methodological talks, the program also features many presentations covering applications in fields such as medicine, economics, and engineering, creating opportunities for interdisciplinary dialogue and fostering scientific collaboration. A panel discussion addresses this year’s topic “Statistics in Times of AI”.

We look forward to your participation and to engaging discussions in Berlin.

Guidelines for Talks

Please bring your presentation slides saved on a USB stick. Please upload your slides to the room’s computer and introduce yourself to the chair of your session 15 minutes before the session starts. The DAGStat assistants (green DAGStat2025 T-shirts) will be available for technical support. Make sure your presentation is in PDF format and that all fonts are embedded. Users of presentation programs such as Microsoft Powerpoint are kindly requested to export their slides to PDF.

DAGStat conferences are international conferences. Presentations are given in English. If there are exceptions (such as e.g. the Statistics for the Public talk on Monday), the talk title is also given in German in the program.

Due to organizational issues there is a strict time limit of 20 minutes including discussion for each contributed presentation.

Conference App and Personalized Program

The Converia App is a Progressive Web App (PWA) that displays the conference program, details about speakers, and additional information on mobile devices. Unlike native apps from the App Store or Play Store, you only need a browser to access the app's domain (https://app.dagstat2025.info).

The Converia App can also be used offline (see also App Icon on the Smartphone) and allows participants to create a personalized schedule by marking program items (whole sessions only) as favorites.

Alternatively, the program can be accessed via any browser at https://hi.converia.de/frontend/index.php?page_id=2651, where you can similarly save favorites. This option also allows to save single talks or posters in addition to whole sessions. Note however, that while the personalized program is synchronized between the link above and the Converia App if you use the same Converia account, the app will only display whole sessions, not saved individual talks or posters. It is thus recommended to choose one option and not switch between options.

Browser Compatibility

- The Converia App runs smoothly on all WebKit-based browsers, which are typically the default browsers on most Android and iOS mobile devices.
- **Mobile Firefox browsers** have limited functionality since the framework is not supported in these browsers.
- The app is not designed for desktop browsers and may not be fully compatible with them.
- The app cannot be used in private browsing mode on mobile devices.

App Icon on the Smartphone

To set up the app on a smartphone, the URL must be opened in the browser. In just a few steps, a shortcut can be created on the home screen on both Android and iOS:

- **Chrome (Android)** → Menu > "Add to Home screen"
- **Safari (iOS)** → Share icon > "Add to Home Screen"

Once added, the app can be launched directly from the home screen icon. Data is stored locally, ensuring offline access. If an update is available, users will be prompted to update the app once an internet connection is established.

Favorites Function

The favorites function can be used to compile a personal program for both the app and the desktop version of the conference planner.

Requirements for Using Favorites

- A prior login with Converia account credentials
- Acceptance of third-party cookies in the selected (default) browser

How to Add Favorites

1. Open the app
2. Click the **star icon** on a session or presentation
3. Log in with Converia account details (if required)
4. Favorites will be saved

Saved favorites can be accessed anytime in the conference planner and the app under "Favorites".

Topics

Biometry and Epidemiology

Causal Inference (Organizer(s): Claudia Börnhorst, Vanessa Didelez; Invited Speaker: Elise Dumas)

Design of Experiments and Clinical Trials (Organizer(s): Thomas Asendorf, Tim Mathes; Invited Speaker: Anastasia Ivanova)

Nonclinical Statistics (Organizer(s): Bernd-Wolfgang Igl, Frank Konietschke; Invited Speaker: Leonard Held)

Statistical Methods in Epidemiology (Organizer(s): Thomas Asendorf, Irene Schmidtmann; Invited Speaker: Anne Helby Petersen)

Statistics in the Pharmaceutical and Medical Device Industry (Organizer(s): Hannes Buchner, Frank Langer; Invited Speaker: Philip Young)

Survival and Event History Analysis (Organizer(s): Jan Beyersmann, Sarah Friedrich; Invited Speaker: Morten Storm Overgaard)

Data Science, Machine Learning, and AI

Artificial Intelligence and Machine Learning (Organizer(s): Hans Kestler, Adalbert Wilhelm; Invited Speaker: Luc de Raedt)

Clustering and Classification (Organizer(s): Gero Szepannek; Invited Speaker: Marta Nai Ruscone)

Deep Learning + Statistics (Organizer(s): Sonja Greven; Invited Speaker: Mihaela van der Schaar)

Text Mining, NLP and Content Analysis (Organizer(s): Matthias Aßenmacher, Andreas Stephan; Invited Speaker: Benjamin Roth)

Time Series and Statistical Forecasting (Organizer(s): Yannick Hoga, Anne Leucht; Invited Speaker: Johanna Ziegel)

Trustworthy Data Science (Organizer(s): Ludwig Bothmann, Emmanuel Müller, Markus Pauly; Invited Speaker: Eirini Ntoutsi)

Visualisation and Exploratory Data Analysis (Organizer(s): Diana Andrä, Adalbert Wilhelm ; Invited Speaker: Dianne Cook)

Statistical Applications

Bioinformatics and Systems Biology (Organizer(s): Hans Kestler)

Empirical Economics and Applied Econometrics (Organizer(s): Christoph Breunig, Carsten Jentsch; Invited Speaker: Jörg Stoye)

Marketing and E-Commerce (Organizer(s): Friederike Paetz; Invited Speaker: Daniel Guhl)

Statistics in Agriculture and Ecology, Environmental Statistics (Organizer(s): Hans-Peter Piepho; Invited Speaker: María Xosé Rodríguez Álvarez)

Statistics in Finance (Organizer(s): Christian Conrad, Yarema Okhrin; Invited Speaker: Michael Weber)

Statistical Theory and Methods

Advanced Regression Modelling (Organizer(s): Thomas Kneib, Andreas Mayr; Invited Speaker: Christel Faes)

Bayesian Statistics (Organizer(s): Elisabeth Bergherr, Katja Ickstadt; Invited Speaker: Antonio Pievatolo)

Mathematical Statistics (Organizer(s): Hajo Holzmann, Kirsten Schorning; Invited Speaker: Ingrid van Keilegom)

Meta-Analysis (Organizer(s): Heinz Holling, Tim Mathes; Invited Speaker: James Pustejovsky)

Robust and Nonparametric Statistics (Organizer(s): Frank Konietschke; Invited Speaker: Marc Buyse)

Testing and Scaling (Organizer(s): Andreas Frey, Susanne Frick; Invited Speaker: Wim van der Linden)

Survey, Social Sciences, and Educational Statistics

Official and Survey Statistics (Organizer(s): Ralf Münnich; Invited Speaker: Monica Pratesi)

Statistical Literacy and Statistical Education (Organizer(s): Ursula Berger, Karin Binder; Invited Speaker: Travis Weiland)

Statistics in Social, Behavioral and Educational Sciences (Organizer(s): Karin Binder, Martin Elff, Heinz Leitgöb; Invited Speaker: Jennie Brand)

Structural Equation Modelling and Latent Variables (Organizer(s): Tobias Koch, Daniel Seddig; Invited Speaker: Andreas M. Brandmaier)

Survey Methodology (Organizer(s): Martin Elff, Heinz Leitgöb; Invited Speaker: Peter Lugtig)

Special Topics

Extreme Values and Rare Events (Organizer(s): Axel Bücher, Heinz Leitgöb; Invited Speaker: Philippe Naveau)

Network Analysis (Organizer(s): Göran Kauermann; Invited Speaker: Philip Leifeld)

Spatial and spatio-temporal Statistics (Organizer(s): Dominik Liebl, Philipp Otto; Invited Speaker: Arkajyoti Saha)

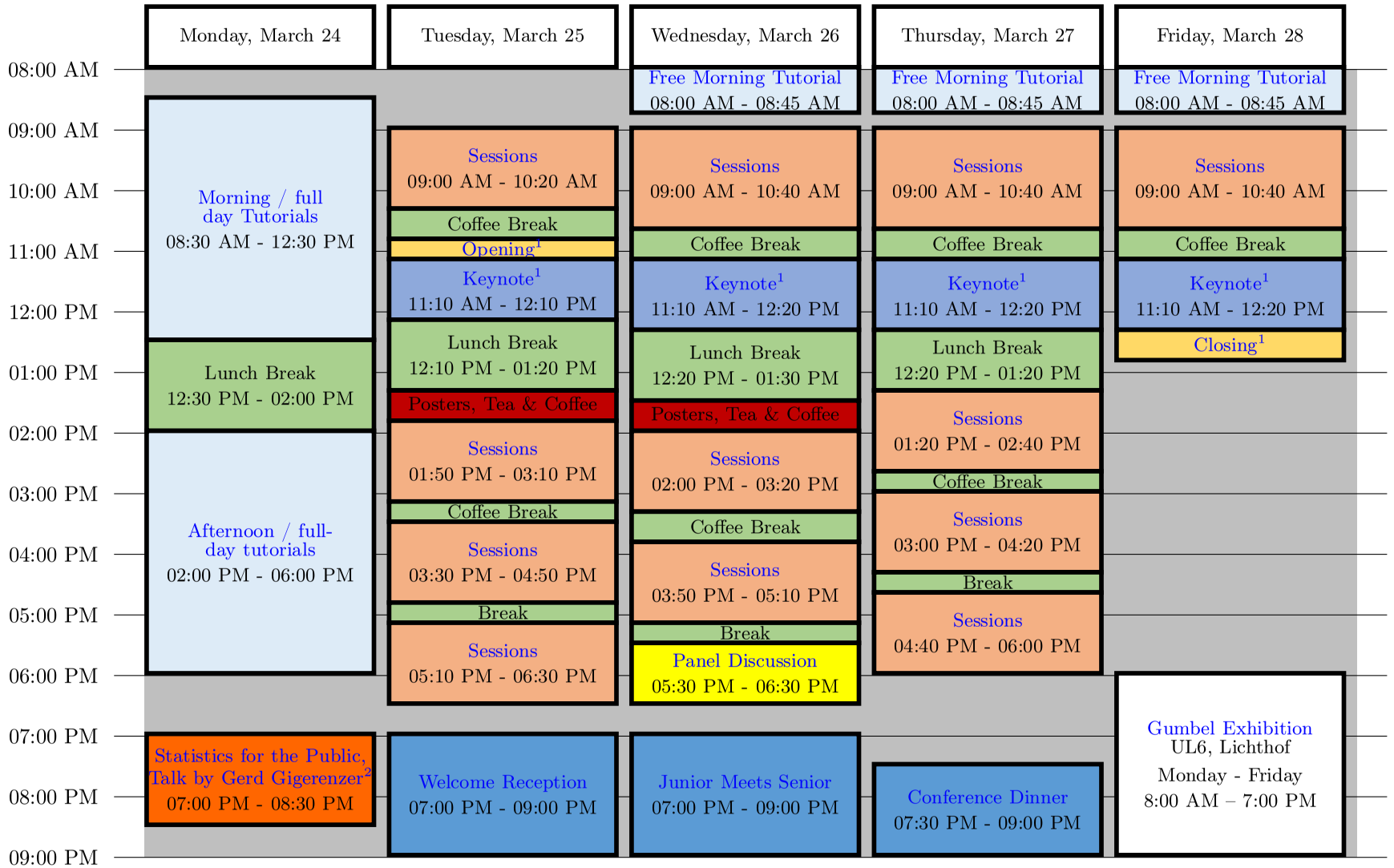
Statistical Software (Organizer(s): Johann Kraus, Julian Schwab)

Synthetic Data, Georeferencing & Disclosure control (Organizer(s): Hanna Brenzel; Invited Speaker: Jörg Drechsler)

Young Statisticians (Organizer(s): Björn Laabs, Stefanie Peschl)

STRengthening Analytical Thinking for Observational Studies (Organizer(s): Willi Sauerbrei)

Schedule



[1] Speaker: UL6, 3038, Streaming: DOR24, Fritz-Reuter; UL6, 3075/2091/2094/2097
[2] Speaker: DOR24, Fritz-Reuter

Monday tutorials

Monday, March 24					
08:30 AM - 12:30 PM	**Tutorial - Target trial emulation and causal inference for time-dependent treatments** Location: DOR24, 1.506	**Tutorial - Introduction to Machine Learning with R and mlr3 Part I** Location: DOR24, 1.401	**Tutorial - Reproducible Research in R: How to Do the Same Thing More Than Once** Location: DOR24, 1.308	**Tutorial - Generalized pairwise comparisons: A practical guide to the design and analysis of patient-centric trials** Location: DOR24, 1.406	
	Tutorial - Distributional Regression – Models and Applications Part I Location: DOR24, 1.201	**Tutorial - An introduction to estimands and estimand-aligned estimation Part I** Location: DOR24, 1.307	**Tutorial - Bayesian Data Analysis Part I** Location: DOR24, 1.403	**Tutorial - From Theory to Practice: Vine Copula Models Part I** Location: DOR24, 1.404	**Tutorial - Social Media and Statistics - How Do They Fit Together?** Location: DOR24, 1.405
12:30 PM - 02:00 PM	**Lunch Break**				
02:00 PM - 06:00 PM	**Tutorial - Nonparametrics: Some basics and new developments - common misunderstandings, pitfalls, and surprising results** Location: DOR24, 1.506	**Tutorial - Introduction to Machine Learning with R and mlr3 Part II** Location: DOR24, 1.401	**Tutorial - Enhancing your Code: Combining R and C++ via Rcpp and RcppArmadillo** Location: DOR24, 1.308	**Tutorial - Variable selection and prediction modelling for high-dimensional genomic data** Location: DOR24, 1.406	
	Tutorial - Distributional Regression – Models and Applications Part II Location: DOR24, 1.201	**Tutorial - An introduction to estimands and estimand-aligned estimation Part II** Location: DOR24, 1.307	**Tutorial - Bayesian Data Analysis Part II** Location: DOR24, 1.403	**Tutorial - From Theory to Practice: Vine Copula Models Part II** Location: DOR24, 1.404	

Monday afternoon

Monday, March 24				
02:30 PM - 02:40 PM	**Lehrkräftetag - Einführung** Location: DOR24, Fritz Reuter			
02:40 PM - 03:40 PM	**Lehrkräftetag - Geraldine Rauch (Präsidentin der TU Berlin): Das P-Wert Theater – Spektakuläre Signifikanzen und Alpha-Tistik** Location: DOR24, Fritz Reuter			
03:40 PM - 04:00 PM	**Coffee Break**			
04:00 PM - 05:30 PM	**Lehrkräftetag - Workshop 1: Eiszeiten und Warmzeiten gab es doch schon immer: Statistische Werkzeuge zur Bewertung von Umweltrisiken im Zeiten des Klimawandels** Location: DOR24, 1.103	**Lehrkräftetag - Workshop 2: Verlässliche Daten für eine starke Demokratie: Verwendung amtlicher Statistiken für Ihren Unterricht** Location: DOR24, 1.205	**Lehrkräftetag - Workshop 3: Mit faulen Eiern lässt sich kein guter Kuchen backen – Was Lehrkräfte, Schülerinnen und Schüler über Datenqualität wissen sollten** Location: DOR24, 1.102	**Lehrkräftetag - Workshop 4: Data Literacy - Im Spannungsfeld zwischen Evidenz und Unsicherheit** Location: DOR24, 1.204
05:30 PM - 05:45 PM	**Break**			
05:45 PM - 06:30 PM	**Lehrkräftetag - Von qualitativer Forschung zu innovativen Ansätzen in der Data Science Education: Einsichten und Methoden aus dem ProDaBi-Projekt** Location: DOR24, Fritz Reuter			
06:30 PM - 07:00 PM	**Break**			
07:00 PM - 08:30 PM	**Vortrag für die Öffentlichkeit: Gerd Gigerenzer (em. Direktor des Max-Planck-Instituts für Bildungsforschung in Berlin): „Wie kann man Ärzten und Patienten helfen, Gesundheitsstatistiken zu verstehen? “** Location: DOR24, Fritz Reuter			

Tuesday morning

Tuesday, March 25				
09:00 AM - 10:20 AM	**Section 45 Multiple Contrast Tests and Multiple Testing** Location: DOR24, Fritz Reuter		**Section 53 Statistical Education** Location: UL6, 3038	**Section 16 Advances in Survival Analysis: Methods, Measures, and Machine Learning** Location: UL6, 2091
	Section 33 Marketing and E-Commerce Location: DOR24, 1.101 (9:00AM - 10:00AM)	**Section 11 Causal inference in Econometrics** Location: UL6, 2094	**Section 42 Teaching Bayesian Statistics** Location: UL6, 2097	**Section 22 Clustering and Classification I** Location: UL6, 1072
10:20 AM - 10:50 AM	**Coffee Break**			
10:50 AM - 11:10 AM	**Opening** Location: UL6, 3038			
11:10 AM - 12:10 PM	**Keynote - Sylvia Richardson: Integrative modelling strategies in the health sciences: benefits and challenges** Location: UL6, 3038			
12:10 PM - 01:20 PM	**Lunch Break**			
01:20 PM - 01:50 PM	**Poster Session I with coffee and tea** Location: UL6, Senatssaal			

Tuesday afternoon

Tuesday, March 25					
01:50 PM - 03:10 PM	**Section 45 Generalized Pairwise Comparisons** Location: DOR24, Fritz Reuter	**Section 23 Fusing Deep Learning and Statistics towards Understanding Structured Biomedical Data** Location: UL6, 2002	**Section 53 Teaching formats for Statistics and Data Literacy** Location: UL6, 3038	**Section 16 Competing Risks and Survival Models: Methods and Applications** Location: UL6, 2091	**Section 35 Advances in Financial Modeling: Missing Data, Forecasting, and Risk Assessment** Location: DOR24, 1.101
	Section 11 Causal inference in Medicine Location: UL6, 2094	**Section 42 Developments in Bayesian Statistics** Location: UL6, 2097	**Section 22 Clustering and Classification II** Location: UL6, 1072	**Section 34 Statistics in Animal Breeding and Ecology** Location: UL6, 3075	**Section 15 RCTs and multiple testing/endpoints** Location: UL6, 1070
03:10 PM - 03:30 PM	**Coffee Break**				
03:30 PM - 04:50 PM	**Section 45 Innovations in Non-Parametric Testing and Random Forest Methods** Location: DOR24, Fritz Reuter	**Section 23 Scientific Breakthroughs Harnessing Deep Learning** Location: UL6, 2002	**Section 31 Bioinformatics, Genomics, and Systems Biology** Location: UL6, 3038	**Section 16 Advances in High-Dimensional and Time-Dependent Survival Analysis** Location: UL6, 2091	
	Section 35 Risk Mitigation and Dependence Structures in Financial and Statistical Modeling Location: DOR24, 1.101	**Section 11 Target trial emulation for causal inference** Location: UL6, 2094	**Section 42 Bayesian Approaches in Regulatory Statistics** Location: UL6, 2097	**Section 34 Environmental and Ecological Statistics** Location: UL6, 3075	**Section 15 Challenges for statistics within the pharmaceutical and medical device industry** Location: UL6, 1070
04:50 PM - 05:10 PM	**Break**				
05:10 PM - 06:30 PM	**Section 45 Advanced Multivariate and Non-Parametric Statistical Methods** Location: DOR24, Fritz Reuter	**Section 23 Combining Statistical Modelling and Deep Learning** Location: UL6, 2002	**Section 31 Bioinformatics and Pattern Recognition** Location: UL6, 3038	**Section 14 Data Quality and Imputation** Location: UL6, 2091	**Section 25 Applied Time Series Analysis and Forecasting 1** Location: DOR24, 1.101
	Section 11 Causal inference - measured and unmeasured confounding Location: UL6, 2094	**Section 42 Bayesian Approaches for Applications in Physics and Technology** Location: UL6, 2097	**Section 22 Clustering and Classification III** Location: UL6, 1072 (5:30PM - 6:30PM)	**Section 34 Statistics in Crop Science** Location: UL6, 3075	**Section 15 Methods to analyse longitudinal data (from patient reported outcomes to tumour growth)** Location: UL6, 1070

Wednesday morning

Wednesday, March 26					
08:00 AM - 08:45 AM	**Free Morning Tutorial - Inference for survival data subject to left truncation and right censoring: An introduction** Location: UL6, 2091			**Free Morning Tutorial - An introduction to individual participant data meta-analysis** Location: DOR24, Fritz Reuter	
08:45 AM - 09:00 AM	**Coffee Break**				
09:00 AM - 10:40 AM	**Section 23 Classification and differential equations using neural networks** Location: UL6, 2002	**Section 53 Teaching Statistics (with Discussion)** Location: UL6, 3038	**Section 16 Innovations in Survival Analysis: Pseudo-Observations, Truncation, and Event-Free Survival** Location: UL6, 2091	**Section 24 Text mining and NLP** Location: DOR24, 1.101	**Section 41 Advanced Regression Modelling 1** Location: UL6, 2094
	Section 43 Robust Predictions and Uncertainty Quantification in Statistical Learning Location: UL6, 1072	**Statistical Practice: Open and Reproducible Research - an interactive workshop Part I** Location: UL6, 3075	**Section 65 Synthetic Data, Georeferencing & Disclosure Control** Location: UL6, 1070	**Section 26 On Social Responsible and Fair AI and ML** Location: UL6, 2097	**Section 12 Adaptive Designs I** Location: DOR24, Fritz Reuter
10:40 AM - 11:10 AM	**Coffee Break**				
11:10 AM - 12:20 PM	**Keynote - David Blei: Scaling and Generalizing Approximate Bayesian Inference** Location: UL6, 3038				
12:20 PM - 01:30 PM	**Lunch Break**				
01:30 PM - 02:00 PM	**Poster Session II with coffee and tea** Location: UL6, Senatssaal				

Wednesday afternoon

Wednesday, March 26					
02:00 PM - 03:20 PM	**Section 21 Tree-based AI** Location: UL6, 2002	**Section 53 Statistical Literacy & Statistical Education** Location: UL6, 3038	**Section 11 Causal inference – mixed topics** Location: UL6, 2091	**Section 25 Forecasting Methods** Location: DOR24, 1.101	
	Section 45 Robust Statistical Methods for Model Fitting and Data Analysis I Location: UL6, 2097	**Section 46 Advances in Item Response Theory-based measurement of abilities** Location: UL6, 1072	**Statistical Practice: Open and Reproducible Research - an interactive workshop Part II** Location: UL6, 3075	**Section 63 Spatial and spatio-temporal Statistics I** Location: UL6, 1070	**Section 12 Statistical Testing and Theory** Location: DOR24, Fritz Reuter
03:20 PM - 03:50 PM	**Coffee Break**				
03:50 PM - 05:10 PM	**Section 21 xAI, Interpretability** Location: UL6, 2002	**Section 25 Applied Time Series Analysis and Forecasting 2** Location: DOR24, 1.101	**Section 45 Robust Statistical Methods for Model Fitting and Data Analysis II** Location: UL6, 2097		
	Section 46 Linking, equating, and norming in the context of IRT Location: UL6, 1072	**Section 63 Spatial and spatio-temporal Statistics II** Location: UL6, 1070	**Section 54 Statistics in Social, Behavorial and Educational Sciences I** Location: UL6, 2094		
05:10 PM - 05:30 PM	**Break**				
05:30 PM - 06:30 PM	**Panel Discussion: In Times of AI** Location: DOR24, Fritz Reuter				

Thursday morning

Thursday, March 27					
08:00 AM - 08:45 AM	**Free Morning Tutorial - Practical Bayesian Statistics: A gentle refresher on probability theory, Bayesian Framework and Intuition for effective application in Biostatistics** Location: UL6, 2091				
08:45 AM - 09:00 AM	**Coffee Break**				
09:00 AM - 10:40 AM	**Section 21 AI Innovations** Location: UL6, 2002	**Section 14 Public Health and Signal Detection** Location: UL6, 3038	**Section 91 Young Statisticians** Location: UL6, 2091	**Section 25 Recent Advances in Time Series Analysis** Location: DOR24, 1.101 (9:00AM - 10:20AM)	**Section 41 Advanced Regression Modelling 2** Location: UL6, 2094
	Section 61 Statistical Methods for Rare Events, Extreme Values, and Limitations in Data Location: UL6, 2097	**Section 43 Advances in Statistical Inference and Functional Data Analysis** Location: UL6, 1072	**Section 13 Navigating Complexity: Mastering Simultaneous Inference in Research** Location: UL6, 3075	**Section 62 Network Data Analysis** Location: UL6, 1070	**Section 12 Design of Methods Studies** Location: DOR24, Fritz Reuter
10:40 AM - 11:10 AM	**Coffee Break**				
11:10 AM - 12:20 PM	**Keynote - Susan Murphy: Online Reinforcement Learning in Digital Health Interventions** Location: UL6, 3038				
12:20 PM - 01:20 PM	**Lunch Break**				

Thursday afternoon

Thursday, March 27					
01:20 PM - 02:40 PM	**Section 21 NN & Active Learning** Location: UL6, 2002	**Section 14 Epidemiological Modeling I** Location: UL6, 3038	**IBS-DR Young Talent Award** Location: UL6, 2091	**Section 32 Empirical Economics and Applied Econometrics 1** Location: DOR24, 1.101	**Section 41 Advanced Regression Modelling 3** Location: UL6, 2094
	Section 61 Statistical Approaches to Extreme Events and Climate Variability Location: UL6, 2097	**Section 44 Meta-Analysis I** Location: UL6, 1072	**Section 13 Enhancing Toxicological Predictions: Historical Control Data, Inference and Machine Learning** Location: UL6, 3075	**Section 56 Innovations in Survey Methodology: Integrating Digital Data and Enhancing Data Quality** Location: UL6, 1070	**Section 12 Diagnostic Trials and Measurement Theory** Location: DOR24, Fritz Reuter
02:40 PM - 03:00 PM	**Coffee Break**				
03:00 PM - 04:20 PM	**Section 21 Datasets & Sampling Strategies** Location: UL6, 2002	**Section 14 Epidemiological Modeling II** Location: UL6, 3038 (3:00PM - 4:00PM)	**Section 91 Young Statisticians Panel Discussion: Worst Practices in Research and How to Avoid Them** Location: UL6, 2091	**Section 32 Empirical Economics and Applied Econometrics 2** Location: DOR24, 1.101	**Section 41 Advanced Regression Modelling 4** Location: UL6, 2094
	Section 54 Statistics in Social, Behavorial and Educational Sciences II Location: UL6, 2097	**Section 44 Meta-Analysis II** Location: UL6, 1072	**Section 13 Questionable practices, risks and other critical aspects affecting pre-clinical results** Location: UL6, 3075	**Section 51 Official Statistics** Location: UL6, 1070 (3:00PM - 4:00PM)	**Section 12 Basket Trials and Bayesian Borrowing** Location: DOR24, Fritz Reuter
04:20 PM - 04:40 PM	**Break**				
04:40 PM - 06:00 PM	**Section 26 On Explainability and the Importance of Data Sharing** Location: UL6, 2002		**Section 14 Healthcare Quality and Decision-Making** Location: UL6, 3038		**Celebrating 20 Years of DAGStat & DAGStat Medal Awards** Location: UL6, 2091
	Section 44 Network Meta-Analysis Location: UL6, 1072	**Section 55 Structural Equation Modelling and Latent Variables I** Location: UL6, 3075	**Section 51 Survey Statistics** Location: UL6, 1070		**Section 12 Early Phase and Animal Studies** Location: DOR24, Fritz Reuter

Friday

Friday, March 28					
08:00 AM - 08:45 AM	**Free Morning Tutorial - Confronting Data Quality: The Challenge We Love to Ignore** Location: UL6, 1072				
08:45 AM - 09:00 AM	**Coffee Break**				
09:00 AM - 10:40 AM	**Section 14 Genomics and Risk Assessment** Location: UL6, 3038 (9:00AM - 10:20AM)	**Section 16 Causal Inference and Multi-State Models in Complex Disease Processes** Location: UL6, 2091	**Section 64 Innovations in Statistical Software and Methodology** Location: DOR24, 1.101	**Section 41 Advanced Regression Modelling 5** Location: UL6, 2094	
	Section 27 Visual and Data-Driven Approaches to Market and Political Segmentation Location: UL6, 2097 (9:00AM - 10:20AM)	**Section 92 STRATOS initiative – progress with guidance in three topics in observational research** Location: UL6, 1072	**Section 55 Structural Equation Modelling and Latent Variables II** Location: UL6, 3075	**Section 12 Adaptive Designs II** Location: DOR24, Fritz Reuter	**Innovations in Statistical Modeling and Approximation Techniques** Location: UL6, 1070 (9:00AM - 10:20AM)
10:40 AM - 11:10 AM	**Coffee Break**				
11:10 AM - 12:20 PM	**Keynote - Xiao-Li Meng: A Heavily Right Strategy for Integrating Dependent Studies in Any Dimension** Location: UL6, 3038				
12:20 PM - 12:50 PM	**Closing** Location: UL6, 3038				

Special Sessions

Special Meetings (Monday, March 24)	
02:00 PM - 03:00 PM	**IBS-DR Vorstandssitzung** Location: DOR24, 1.402
03:00 PM - 06:00 PM	**IBS-DR Beiratssitzung** Location: DOR24, 1.402

Special Meetings (Tuesday, March 25)				
12:10 PM - 01:20 PM	**IBS-DR AG Lehre und Didaktik in der Statistik** Location: DOR24, 1.404	**IBS-DR AG Nichtparametrische Methoden** Location: DOR24, 1.405	**IBS-DR AG Non-Clinical Statistics** Location: DOR24, 1.406	**IBS-DR AG Öffentlichkeitsarbeit** Location: DOR24, 1.403
03:20 PM - 05:00 PM	**GfKl Mitgliederversammlung** Location: UL6, 1072			
06:30 PM - 07:00 PM	**GfKl AG DANK** Location: UL6, 1072			

Special Meetings (Wednesday, March 26)					
12:20 PM - 01:30 PM	**IBS-DR AG Bayes Methodik** Location: DOR24, 1.404	**IBS-DR AG Nachwuchs** Location: DOR24, 1.403	**IBS-DR AG Populationsgenetik und Genomanalyse** Location: DOR24, 1.405	**IBS-DR AG Statistik stochastischer Prozesse** Location: DOR24, 1.406	**IBS-DR AG Statistische Methoden in der Epidemiologie** Location: DOR24, 1.402
03:30 PM - 05:30 PM	**IBS Members' meeting** Location: UL6, 3038				

Special Meetings (Thursday, March 27)	
12:20 PM - 01:20 PM	**IBS-DR AG LeiterInnen** Location: DOR24, 1.403

Gumbel Film and Exhibition				
	Emil Gumbel: The prediction of extreme events (Documentary Movie) Location: DOR24, 1.103 Date: Tuesday, Mar 25 Time: 05:10 PM - 06:30 PM	**Emil Gumbel: The prediction of extreme events (Documentary Movie)** Location: UL6, 2091 Date: Wednesday, Mar 26 Time: 03:50 PM - 05:10 PM	**Movie + Discussion: Emil Gumbel: The prediction of extreme events** Location: UL6, 2091 Date: Thursday, Mar 27 Time: 04:40 PM - 06:00 PM	**Gumbel Exhibiton** Location: UL6, Lichthof Date: Mar 24 - May, 14 Time: 08:00 AM - 07:00PM

Sessions with individual presentations by time

Monday, March 24

Monday, March 24, 08:30 AM - 12:30 PM

Tutorial - Distributional Regression - Models and Applications Part I
Time: 08:30 AM - 12:30 PM, Room: DOR24, 1.201
Instructor(s): Nadja Klein, Lucas Kock

Monday, 24
08:30 AM
DOR24
1.201

Tutorial - An introduction to estimands and estimand-aligned estimation Part I
Time: 08:30 AM - 12:30 PM, Room: DOR24, 1.307
Instructor(s): Tim Friede, Tobias Mütze, Vivian Lanius, Norbert Benda

Monday, 24
08:30 AM
DOR24
1.307

Tutorial - Reproducible Research in R: How to Do the Same Thing More Than Once
Time: 08:30 AM - 12:30 PM, Room: DOR24, 1.308
Instructor(s): Aaron Peikert, Maximilian Ernst, Hannes Diemerling

Monday, 24
08:30 AM
DOR24
1.308

Tutorial - Introduction to Machine Learning with R and mlr3 Part I
Time: 08:30 AM - 12:30 PM, Room: DOR24, 1.401
Instructor(s): Bernd Bischl, Marvin Wright

Monday, 24
08:30 AM
DOR24
1.401

Tutorial - Bayesian Data Analysis Part I
Time: 08:30 AM - 12:30 PM, Room: DOR24, 1.403
Instructor(s): Javier Enrique Aguilar, Luna Fazio

Monday, 24
08:30 AM
DOR24
1.403

Tutorial - From Theory to Practice: Vine Copula Models Part I
Time: 08:30 AM - 12:30 PM, Room: DOR24, 1.404
Instructor(s): Claudia Czado, Ariane Hanebeck, Ferdinand Buchner, Özge Şahin

Monday, 24
08:30 AM
DOR24
1.404

Tutorial - Social Media and Statistics - How Do They Fit Together?
Time: 08:30 AM - 12:30 PM, Room: DOR24, 1.405
Instructor(s): Alexander Schacht

Monday, 24
08:30 AM
DOR24
1.405

Tutorial - Generalized pairwise comparisons: A practical guide to the design and analysis of patient-centric trials
Time: 08:30 AM - 12:30 PM, Room: DOR24, 1.406
Instructor(s): Johan Verbeeck, Brice Ozenne

Monday, 24
08:30 AM
DOR24
1.406

Tutorial - Target trial emulation and causal inference for time-dependent treatments
Time: 08:30 AM - 12:30 PM, Room: DOR24, 1.506
Instructor(s): Vanessa Didelez, Malte Braitmaier, Bianca Kollhorst

Monday, 24
08:30 AM
DOR24
1.506

Monday, March 24, 02:00 PM - 03:00 PM

IBS-DR Vorstandssitzung
Time: 02:00 PM - 03:00 PM, Room: DOR24, 1.402
Chair(s): Anne-Laure Boulesteix

Monday, 24
02:00 PM
DOR24
1.402

Monday, March 24, 02:00 PM - 06:00 PM

Tutorial - Distributional Regression - Models and Applications Part II
Time: 02:00 PM - 06:00 PM, Room: DOR24, 1.201
Instructor(s): Nadja Klein, Lucas Kock

Monday, 24
02:00 PM
DOR24
1.201

Tutorial - An introduction to estimands and estimand-aligned estimation Part II
Time: 02:00 PM - 06:00 PM, Room: DOR24, 1.307
Instructor(s): Tim Friede, Tobias Mütze, Vivian Lanius, Norbert Benda

Monday, 24
02:00 PM
DOR24
1.307

Tutorial - Enhancing your Code: Combining R and C++ via Rcpp and RcppArmadillo
Time: 02:00 PM - 06:00 PM, Room: DOR24, 1.308
Instructor(s): Erin Sprünken, Lukas Mödl

Monday, 24
02:00 PM
DOR24
1.308

Tutorial - Introduction to Machine Learning with R and mlr3 Part II
Time: 02:00 PM - 06:00 PM, Room: DOR24, 1.401
Instructor(s): Bernd Bischl, Marvin Wright

Monday, 24
02:00 PM
DOR24
1.401

Tutorial - Bayesian Data Analysis Part II
Time: 02:00 PM - 06:00 PM, Room: DOR24, 1.403
Instructor(s): Javier Enrique Aguilar, Luna Fazio

Monday, 24
02:00 PM
DOR24
1.403

Tutorial - From Theory to Practice: Vine Copula Models Part II
Time: 02:00 PM - 06:00 PM, Room: DOR24, 1.404
Instructor(s): Claudia Czado, Ariane Hanebeck, Ferdinand Buchner, Özge Şahin

Monday, 24
02:00 PM
DOR24
1.404

Tutorial - Variable selection and prediction modelling for high-dimensional genomic data
Time: 02:00 PM - 06:00 PM, Room: DOR24, 1.406
Instructor(s): Christian Staerk, Hannah Klinkhammer

Monday, 24
02:00 PM
DOR24
1.406

Tutorial - Nonparametrics: Some basics and new developments - common misunderstandings, pitfalls, and surprising results
Time: 02:00 PM - 06:00 PM, Room: DOR24, 1.506
Instructor(s): Edgar Brunner, Georg Zimmermann

Monday, 24
02:00 PM
DOR24
1.506

Monday, March 24, 02:30 PM - 02:40 PM

Lehrkräftetag - Einführung
Time: 02:30 PM - 02:40 PM, Room: DOR24, Fritz Reuter

Monday, 24
02:30 PM
DOR24
Fritz Reuter

Monday, March 24, 02:40 PM - 03:40 PM

Lehrkräftetag - Geraldine Rauch (Präsidentin der TU Berlin): Das P-Wert Theater - Spektakuläre Signifikanzen und Alpha-Tistik
Time: 02:40 PM - 03:40 PM, Room: DOR24, Fritz Reuter

Monday, 24
02:40 PM
DOR24
Fritz Reuter

Monday, March 24, 03:00 PM - 06:00 PM

IBS-DR Beiratssitzung
Time: 03:00 PM - 06:00 PM, Room: DOR24, 1.402
Chair(s): Anne-Laure Boulesteix

Monday, 24
03:00 PM
DOR24
1.402

Monday, March 24, 04:00 PM - 05:30 PM

Lehrkräftetag - Workshop 3: Mit faulen Eiern lässt sich kein guter Kuchen backen - Was Lehrkräfte, Schülerinnen und Schüler über Datenqualität wissen sollten
Time: 04:00 PM - 05:30 PM, Room: DOR24, 1.102

Monday, 24
04:00 PM
DOR24
1.102

Lehrkräftetag - Workshop 1: Eiszeiten und Warmzeiten gab es doch schon immer: Statistische Werkzeuge zur Bewertung von Umweltrisiken im Zeiten des Klimawandels
Time: 04:00 PM - 05:30 PM, Room: DOR24, 1.103

Monday, 24
04:00 PM
DOR24
1.103

Lehrkräftetag - Workshop 4: Data Literacy - Im Spannungsfeld zwischen Evidenz und Unsicherheit
Time: 04:00 PM - 05:30 PM, Room: DOR24, 1.204

Monday, 24
04:00 PM
DOR24
1.204

Lehrkräftetag - Workshop 2: Verlässliche Daten für eine starke Demokratie: Verwendung amtlicher Statistiken für Ihren Unterricht
Time: 04:00 PM - 05:30 PM, Room: DOR24, 1.205

Monday, 24
04:00 PM
DOR24
1.205

Monday, March 24, 05:45 PM - 06:30 PM

Lehrkräftetag - Von qualitativer Forschung zu innovativen Ansätzen in der Data Science Education: Einsichten und Methoden aus dem ProDaBi-Projekt
Time: 05:45 PM - 06:30 PM, Room: DOR24, Fritz Reuter

Monday, 24
05:45 PM
DOR24
Fritz Reuter

Monday, March 24, 07:00 PM - 08:30 PM

Vortrag für die Öffentlichkeit: Gerd Gigerenzer (em. Direktor des Max-Planck-Instituts für Bildungsforschung in Berlin): "Wie kann man Ärzten und Patienten helfen, Gesundheitsstatistiken zu verstehen? "
Time: 07:00 PM - 08:30 PM, Room: DOR24, Fritz Reuter

Monday, 24
07:00 PM
DOR24
Fritz Reuter

Tuesday, March 25

Tuesday, March 25, 09:00 AM - 10:00 AM

Section 33 Marketing and E-Commerce

Tuesday, 25
09:00 AM
DOR24
1.101

Time: 09:00 AM - 10:00 AM, Room: DOR24, 1.101
Chair(s): Daniel Guhl

09:00 AM - 09:40 AM **Experimental Evidence on Structural State Dependence in Demand**
Daniel Guhl

09:40 AM - 10:00 AM **Demand Estimation with Modern Data**
Sven Klaaßen

Tuesday, March 25, 09:00 AM - 10:20 AM

Section 45 Multiple Contrast Tests and Multiple Testing

Tuesday, 25
09:00 AM
DOR24
Fritz Reuter

Time: 09:00 AM - 10:20 AM, Room: DOR24, Fritz Reuter
Chair(s): Marléne Baumeister

09:00 AM - 09:20 AM **Analysis of Covariance in General Factorial Designs through Multiple Contrast Tests under Variance Heteroscedasticity**
Matthias Becher

09:20 AM - 09:40 AM **Multiple contrast testing procedures in a robust analysis of covariance model**
Konstantin Emil Thiel

09:40 AM - 10:00 AM **Multiple contrast testing for partial AUC: a bootstrap vs analytical approach**
Damiano Ferrari

10:00 AM - 10:20 AM **Quadratic Form based Multiple Contrast Tests for Comparison of Group Means**
Paavo Sattler

Section 22 Clustering and Classification I

Tuesday, 25
09:00 AM
UL6
1072

Time: 09:00 AM - 10:20 AM, Room: UL6, 1072
Chair(s): Christian Röver

09:00 AM - 09:20 AM **Some analytical results on statistical classification**
Lea Willems

09:20 AM - 09:40 AM **A powerful penalized multinomial logistic regression approach**
Cornelia Fütterer

09:40 AM - 10:00 AM **Robust performance metrics for imbalanced classification problems**
Hajo Holzmann

10:00 AM - 10:20 AM **Comparing machine learning and conventional statistical approaches for injury prediction in young professional soccer players**
Ina-Marie Berendes

Section 16 Advances in Survival Analysis: Methods, Measures, and Machine Learning

Tuesday, 25
09:00 AM
UL6
2091

Time: 09:00 AM - 10:20 AM, Room: UL6, 2091
Chair(s): Regina Stegherr

09:00 AM - 09:20 AM **Exhausting the type I error level in a group-sequential design with a closed testing procedure for progression-free and overall survival**
Moritz Fabian Danzer

09:20 AM - 09:40 AM **Deep learning for survival analysis: a review**
Simon Wiegrebe

09:40 AM - 10:00 AM **Effect measures for comparing consecutive survival times**
Dennis Dobler

10:00 AM - 10:20 AM **Data-Driven Selection of Inclusion Criteria for Time-to-Event Studies**
Charlotte Behning

Section 11 Causal inference in Econometrics

Tuesday, 25
09:00 AM
UL6
2094

Time: 09:00 AM - 10:20 AM, Room: UL6, 2094
Chair(s): Jannis Kueck

09:00 AM - 09:20 AM **Honest Causal Inference with Difference-in-Differences: A Functional Data Perspective**
Chencheng Fang

09:20 AM - 09:40 AM **Sensitivity Analysis for Difference-in-Differences Models**
Philipp Bach

09:40 AM - 10:00 AM **Semiparametric Bayesian Difference-in-Differences**
Christoph Breunig

10:00 AM - 10:20 AM **Revisiting the Many Instruments Problem using Random Matrix Theory**
Gabriel Vollert

Section 42 Teaching Bayesian Statistics

Tuesday, 25
09:00 AM
UL6
2097

Time: 09:00 AM - 10:20 AM, Room: UL6, 2097
Chair(s): Luna Fazio

09:00 AM - 09:20 AM **Teaching Bayesian Statistics Without Frequentist Language**
Richard McElreath

09:20 AM - 09:40 AM **Teaching Bayesian methods to psychology students: From data analysis to models of the mind**
Sarah Tune

09:40 AM - 10:00 AM **Teaching Bayesian Statistics to statistics students in Germany: Prerequisites and their implications**
Reinhard Vonthein

10:00 AM - 10:20 AM **Predictive Model Evaluation in Bayesian Mixture and Hierarchical Models: A Teaching Evaluation Case Study**
R. Maximilian Bee

Section 53 Statistical Education

Tuesday, 25
09:00 AM
UL6
3038

Time: 09:00 AM - 10:20 AM, Room: UL6, 3038
Chair(s): Karin Binder

09:00 AM - 09:40 AM **Rethinking What Counts as Data and Data Visualization in Statistical Literacy and Statistics Education**
Travis Weiland

09:40 AM - 10:00 AM **(Prospective) Secondary teachers' consideration of data variability in descriptive statistics**
Arabella Denk

10:00 AM - 10:20 AM **Advancing Data Science Education: A Data-Driven Approach to Exploring Climate Change in 10th Grade Classrooms**
Susanne Podworny

Tuesday, March 25, 10:50 AM - 11:10 AM

Opening

Tuesday, 25
10:50 AM
UL6
3038

Time: 10:50 AM - 11:10 AM, Room: UL6, 3038
Chair(s): Frank Konietschke, Sonja Greven

DOR24, Fritz Reuter **Opening and Keynote Broadcast**

UL6, 2091 **Opening and Keynote Broadcast**

UL6, 2094 **Opening and Keynote Broadcast**

UL6, 2097 **Opening and Keynote Broadcast**

UL6, 3075 **Opening and Keynote Broadcast**

Tuesday, March 25, 11:10 AM - 12:10 PM

Keynote: Integrative modelling strategies in the health sciences: benefits and challenges

Tuesday, 25
11:10 AM
UL6
3038

Time: 11:10 AM - 12:10 PM, Room: UL6, 3038
Chair(s): Sonja Greven

11:10 AM - 12:10 PM **Integrative modelling strategies in the health sciences: benefits and challenges**
Sylvia Richardson

DOR24, Fritz Reuter **Opening and Keynote Broadcast**

UL6, 2091 **Opening and Keynote Broadcast**

UL6, 2094 **Opening and Keynote Broadcast**

UL6, 2097 **Opening and Keynote Broadcast**

UL6, 3075 **Opening and Keynote Broadcast**

Tuesday, March 25, 12:10 PM - 01:20 PM

IBS-DR AG Öffentlichkeitsarbeit
Time: 12:10 PM - 01:20 PM, Room: DOR24, 1.403
Chair(s): Werner Brannath

Tuesday, 25
12:10 PM
DOR24
1.403

IBS-DR AG Lehre und Didaktik in der Statistik
Time: 12:10 PM - 01:20 PM, Room: DOR24, 1.404
Chair(s): Ursula Berger, Carolin Herrmann

Tuesday, 25
12:10 PM
DOR24
1.404

IBS-DR AG Nichtparametrische Methoden
Time: 12:10 PM - 01:20 PM, Room: DOR24, 1.405
Chair(s): Markus Pauly

Tuesday, 25
12:10 PM
DOR24
1.405

IBS-DR AG Non-Clinical Statistics
Time: 12:10 PM - 01:20 PM, Room: DOR24, 1.406
Chair(s): Bernd-Wolfgang Igl, Frank Konietschke

Tuesday, 25
12:10 PM
DOR24
1.406

Tuesday, March 25, 01:20 PM - 01:50 PM

Tuesday, 25
01:20 PM
UL6
Senatssaal

Poster Session I
Time: 01:20 PM - 01:50 PM, Room: UL6, Senatssaal

Propensity score matching for the average treatment effect in competing risks data
Jasmin Rühl

Regression-based Estimation of Causal Effects under Selection Bias and Confounding
Marlies Hafer, Alexander Marx

Estimands in practice - Implementation in the randomized control trial pro.LISA
Tanja K. Rausch

A-efficient resolvable balanced treatment incomplete block designs
Kazuhiro Ozawa

A Practical Approach to Validating Risk Prediction Models and Navigating Challenges
Laura Böhme

A parametric test for detecting day-to-day effects in cytotoxicity experiments
Julia Eichhorn

Modelling optical densities in bacterial growth experiments
Fritjof Freise

Variable selection via fused sparse-group lasso penalized multi-state models incorporating molecular data
Kaya Miah

Flexible modelling of time-varying exposures in event history analysis
Andreas Bender

Can Conformal Prediction Control the Generation Bias of Minority Samples?
Wei-Cheng Lai

Comparison of meta-learners for late-stage multi-omics prediction modeling
Cesaire Joris Kuete Fouodo

A Machine-Actionable Representation of Disorders for Similarity Analysis
Raoul Kutil

Addressing Data Gaps in Sustainability Reporting: A Benchmark Dataset for Greenhouse Gas Emission Extraction
Jacob Beck

Digitization of local land use plans (Bebauungspläne): A RAG-approach
Laia Domenech Burin

Sparse Extreme Value Elastic Net Regression
Akshay Mishra

Robust Adaptive Elasticnet under Huber Loss and its Oracle Properties
Ramakrushna Mishra

Eliciting Some generalisations of Dirichlet distributions for Multinomial models
Nayana Unnipillai

Impact of equivalence margins (symmetric & asymmetric) on Power and Statistical Assurance in biosimilar clinical equivalence trials
Alison Balfour

Quantifying uncertainty in a classification problem over Electronic Health Records (EHR) : Comparing Bayesian and Frequentist approaches
Sathish Kabatkar Ravindranth

Investigating relationships between health traits in Holstein Friesian cattle using Structural Equation Modelling.
Michalina Jakimowicz

Examining Survey Mouse Movements as Indicators of Individual Cognitive Functioning
Ailin Liu

Assessing the power of tests for comparing graphs estimated from compositional data
Oksana Chernova

Tuesday, March 25, 01:50 PM - 03:10 PM

Section 35 Advances in Financial Modeling: Missing Data, Forecasting, and Risk Assessment

Tuesday, 25
01:50 PM
DOR24
1.101

Time: 01:50 PM - 03:10 PM, Room: DOR24, 1.101
Chair(s): Christian Conrad

01:50 PM - 02:30 PM **Missing Data in Asset Pricing Panels**
Michael Weber

02:30 PM - 02:50 PM **Beyond the Numbers: Professional Forecasters' Narratives about Inflation and Stock Market Performance**
Julius Schoelkopf

02:50 PM - 03:10 PM **Modelling value-at-risk and expected shortfall using Markov-switching generalised additive models for location, scale, and shape**
Katharina Ammann

Section 45 Generalized Pairwise Comparisons

Tuesday, 25
01:50 PM
DOR24
Fritz Reuter

Time: 01:50 PM - 03:10 PM, Room: DOR24, Fritz Reuter
Chair(s): Paavo Sattler

01:50 PM - 02:10 PM **Analysis of Multiple Prioritized Outcomes: Effect and Variance Estimation**
Edgar Brunner

02:10 PM - 02:30 PM **Inference for Multiple Prioritized Outcomes: Hypothesis Testing and Confidence intervals**
Stephen Schüürhuis

02:30 PM - 03:10 PM **Generalized pairwise comparisons for multiple outcomes**
Marc Buyse

Section 15 RCTs and multiple testing/endpoints

Tuesday, 25
01:50 PM
UL6
1070

Time: 01:50 PM - 03:10 PM, Room: UL6, 1070
Chair(s): Hannes Buchner

01:50 PM - 02:10 PM **WATCH: A Workflow to Assess Treatment Effect Heterogeneity in Drug Development for Clinical Trial Sponsors**
Konstantinos Sechidis

02:10 PM - 02:30 PM **Methods for Analyzing Multiple Time-to-Event Endpoints in Randomized Clinical Trials: A Comprehensive Overview**
Duoerkongjiang Alidan

02:30 PM - 02:50 PM **Exploiting endpoint and test statistic correlation in multiple testing for maximizing power: A comparison of weighted parametric graphical testing procedures with truncated Hochberg.**
Julia Grabe

02:50 PM - 03:10 PM **Forecast of Events for Study Analysis Planning**
Christian Kappeler

Section 22 Clustering and Classification II

Tuesday, 25
01:50 PM
UL6
1072

Time: 01:50 PM - 03:10 PM, Room: UL6, 1072
Chair(s): Gero Szepannek

01:50 PM - 02:30 PM **Mixture-based clustering for ordinal responses**
Marta Nai Ruscone

02:30 PM - 02:50 PM **Clustering ordinal data within the flex-scheme**
Theresa Scharl

02:50 PM - 03:10 PM **Advancements in Finite Mixture Models and Flexible Model-Based Clustering Techniques**
Samyajoy Pal

Section 23 Fusing Deep Learning and Statistics towards Understanding Structured Biomedical Data

Tuesday, 25
01:50 PM
UL6
2002

Time: 01:50 PM - 03:10 PM, Room: UL6, 2002
Chair(s): Georg Keilbar

01:50 PM - 02:10 PM **Deep Nonparametric Conditional Independence Tests for Images**
Marco Simnacher

02:10 PM - 02:30 PM **Towards Visually Explaining Statistical Tests**
Masoumeh Javanbakhat

02:30 PM - 02:50 PM **Deep modeling in the presence of known confounds with an application to neuroimaging data**
Manuel Pfeuffer

02:50 PM - 03:10 PM **An Empirical Analysis of Uncertainty Quantification in Genomics Applications**
Sepideh Saran

Section 16 Competing Risks and Survival Models: Methods and Applications

Tuesday, 25
01:50 PM
UL6
2091

Time: 01:50 PM - 03:10 PM, Room: UL6, 2091
Chair(s): Moritz Fabian Danzer

01:50 PM - 02:10 PM **Testing similarity of parametric competing risks models for identifying potentially similar pathways in healthcare**
Kathrin Möllenhoff

02:10 PM - 02:30 PM **A "Double Copula" Model for Semi-Competing Risks Data**
Antoniya Dineva

02:30 PM - 02:50 PM **Modelling conditional gain in life expectancy by linear mean residual life functions**
Oliver Kuß

02:50 PM - 03:10 PM **Inference via Wild Bootstrap and Multiple Imputation under Fine-Gray Models with Incomplete Data**
Marina Dietrich

Section 11 Causal inference in Medicine

Tuesday, 25
01:50 PM
UL6
2094

Time: 01:50 PM - 03:10 PM, Room: UL6, 2094
Chair(s): Anne Helby Petersen

01:50 PM - 02:10 PM **Causal inference for N-of-1 trials**
Marco Piccininni

02:10 PM - 02:30 PM **Transfer Learning for Estimation of Individual Treatment Effect**
Seyda Betul Aydin

02:30 PM - 02:50 PM **A "what if" - interpretation of the Kaplan-Meier estimator and, in general, no such interpretation for competing risks**
Sandra Schmeller

02:50 PM - 03:10 PM **Estimands: How to handle the multiverse of models to calculate causal estimates**
Amani Al Tawil

Section 42 Developments in Bayesian Statistics

Tuesday, 25
01:50 PM
UL6
2097

Time: 01:50 PM - 03:10 PM, Room: UL6, 2097
Chair(s): Elisabeth Bergherr

01:50 PM - 02:10 PM **Prior-Posterior Derived-Predictive Consistency Checks for Post-Estimation Calculated Quantities of Interest ('QOI-Check')**
Holger Sennhenn-Reulen

02:10 PM - 02:30 PM **Efficient Uncertainty Propagation in Bayesian Multi-Step Procedures**
Svenja Jedhoff

02:30 PM - 02:50 PM **Bayesian Analysis of Copula State Space Models allowing for Two Latent States**
Ariane Hanebeck

02:50 PM - 03:10 PM **Generalized Decomposition priors on R2**
Javier Aguilar

Section 53 Teaching formats for Statistics and Data Literacy

Time: 01:50 PM - 03:10 PM, Room: UL6, 3038
Chair(s): Ursula Berger

Tuesday, 25
01:50 PM
UL6
3038

01:50 PM - 02:10 PM **Virtual vs. Physical Presence in Lectures: Are There Differences in Achieving Learning Objectives?**
Matthias Gehrke

02:10 PM - 02:30 PM **Learning Outcomes and Perceptions: A Double Robust Approach to Assess the Effects of Flipping an Introductory Statistics Course**
Theresa Schmitz

02:30 PM - 02:50 PM **Digital Humanities Ruhr: Algorithmic Accountability in the context of Data Literacy Education at TU Dortmund University**
Henrike Weinert

02:50 PM - 03:10 PM **Data Science Training: Applied Data Analysis for the Public Sector**
Malte Schierholz

Section 34 Statistics in Animal Breeding and Ecology

Time: 01:50 PM - 03:10 PM, Room: UL6, 3075
Chair(s): Daniel Gerhard

Tuesday, 25
01:50 PM
UL6
3075

01:50 PM - 02:10 PM **Random regression test day modelling of longitudinal data**
Tomasz Suchocki

02:10 PM - 02:30 PM **Novel indicators of pig emotions: A cross-institute welfare study**
Anja Eggert

02:30 PM - 02:50 PM **Identifiability of Genetic Covariance Parameters in Mouse Animal Models with Direct and Maternal Genetic Effects**
Xi Ding

02:50 PM - 03:10 PM **Modelling coordinated nocturnal rhythms**
Johann Ukrow

Tuesday, March 25, 03:20 PM - 05:00 PM

GfKl Mitgliederversammlung

Time: 03:20 PM - 05:00 PM, Room: UL6, 1072

Tuesday, 25
03:20 PM
UL6
1072

Tuesday, March 25, 03:30 PM - 04:50 PM

Section 35 Risk Mitigation and Dependence Structures in Financial and Statistical Modeling

Tuesday, 25
03:30 PM
DOR24
1.101

Time: 03:30 PM - 04:50 PM, Room: DOR24, 1.101
Chair(s): Julius Schoelkopf

03:30 PM - 03:50 PM **Mitigating Digital Asset Risks**
Wolfgang Karl Härdle

03:50 PM - 04:10 PM **Testing the maximal rank of time-varying covariance matrices**
Lars Winkelmann

04:10 PM - 04:30 PM **How to Compare Copula Forecasts?**
Yannick Hoga

04:30 PM - 04:50 PM **Tree models for covariate-dependent method agreement**
Alexander Hapfelmeier

Section 45 Innovations in Non-Parametric Testing and Random Forest Methods

Tuesday, 25
03:30 PM
DOR24
Fritz Reuter

Time: 03:30 PM - 04:50 PM, Room: DOR24, Fritz Reuter
Chair(s): Alexander Marx

03:30 PM - 03:50 PM **A Central Limit Theorem for the permutation importance measure**
Nico Föge

03:50 PM - 04:10 PM **Asymptotic confidence bands for centered purely random forests**
Jan Rabe

04:10 PM - 04:30 PM **Uniform Inference for Generalized Random Forests**
Kainat Khowaja

04:30 PM - 04:50 PM **Variable selection by voting**
Ursula U. Müller

Section 15 Challenges for statistics within the pharmaceutical and medical device industry

Tuesday, 25
03:30 PM
UL6
1070

Time: 03:30 PM - 04:50 PM, Room: UL6, 1070
Chair(s): Konstantinos Sechidis

03:30 PM - 04:10 PM **Statistics in the Pharmaceutical and Medical Device Industry**
Philip Young

04:10 PM - 04:30 PM **Challenges in Monitoring Anticipated Adverse Events in Drug Development**
Jürgen Kübler

04:30 PM - 04:50 PM **In silico clinical trials in drug development: a systematic review**
Lucia Chantal Schneider

Section 23 Scientific Breakthroughs Harnessing Deep Learning

Tuesday, 25
03:30 PM
UL6
2002

Time: 03:30 PM - 04:50 PM, Room: UL6, 2002
Chair(s): Sonja Greven

03:30 PM - 04:10 PM **From Data to Discovery: LLM's Role in Advancing Science**
Mihaela van der Schaar

04:10 PM - 04:30 PM **Flexible Regression in Neural Networks**
Quentin Edward Seifert

04:30 PM - 04:50 PM **ForwardFlow: Robust and exact frequentist and Bayesian inference using deep, feed-forward learning**
Stefan Böhringer

Section 16 Advances in High-Dimensional and Time-Dependent Survival Analysis

Tuesday, 25
03:30 PM
UL6
2091

Time: 03:30 PM - 04:50 PM, Room: UL6, 2091
Chair(s): Morten Overgaard

03:30 PM - 03:50 PM **Bootstrapping LASSO-type estimators in Cox Frailty Models**
Lena Schemet

03:50 PM - 04:10 PM **Capturing subgroup-specific time-variation in covariate effects in Cox-type hazard regression models**
Niklas Hagemann

04:10 PM - 04:30 PM **Smooth estimator of transition probabilities in non-Markov recurrent events and multi-state settings**
Johannes Piller

04:30 PM - 04:50 PM **High-Dimensional Survival Analysis via Exclusive Lasso**
Dayasri Ravi

Section 11 Target trial emulation for causal inference

Tuesday, 25
03:30 PM
UL6
2094

Time: 03:30 PM - 04:50 PM, Room: UL6, 2094
Chair(s): Vanessa Didelez

03:30 PM - 04:10 PM **Formulating and comparing adherence strategies for sustained treatment: a nationwide case study of five years of endocrine therapy in young patients with breast cancer**
Elise Dumas

04:10 PM - 04:30 PM **Methodological challenges in target trial emulation for estimating causal effects of long-term exposure to air pollution on insulin resistance in children**
Claudia Börnhorst

04:30 PM - 04:50 PM **Feasibility of Benefit-Risk Evaluation of Drugs based on Non-Randomized Studies using German Registries: First Results from the NANA Project**
Paula Starke

Section 42 Bayesian Approaches in Regulatory Statistics

Tuesday, 25
03:30 PM
UL6
2097

Time: 03:30 PM - 04:50 PM, Room: UL6, 2097
Chair(s): Tim Friede

03:30 PM - 03:50 PM **Prior choice when inferring healthcare provider quality**
Stefan Gehrig

03:50 PM - 04:10 PM **Applying informative prior distributions for the heterogeneity parameter in Bayesian random-effects meta-analyses**
Jona Lilienthal

04:10 PM - 04:30 PM **Regulatory considerations and experiences on clinical trials with Bayesian design elements**
Katharina Hees

04:30 PM - 04:50 PM **Regulatory aspects on Bayesian Borrowing for medicines to be used in the paediatric population**
Norbert Benda

Section 31 Bioinformatics, Genomics, and Systems Biology

Tuesday, 25
03:30 PM
UL6
3038

Time: 03:30 PM - 04:50 PM, Room: UL6, 3038
Chair(s): Daniel Schulze

03:30 PM - 03:50 PM **Comparison of gene set enrichment algorithms for gene expression data of mice with different diets**
Wiebke Dammann

03:50 PM - 04:10 PM **Relative Contribution of Genetic and Environmental Risk Scores on Eczema**
Patrick Wincy Reyes

04:10 PM - 04:30 PM **Using variational autoencoders to identify metabolite interactions and genetic determinants of metabolite clusters**
Pascal Schlosser

04:30 PM - 04:50 PM **Parameter uncertainty in Pharmacokinetic models: A Bayesian Workflow**
Antonio Alvarez

Section 34 Environmental and Ecological Statistics

Tuesday, 25
03:30 PM
UL6
3075

Time: 03:30 PM - 04:50 PM, Room: UL6, 3075
Chair(s): Anja Eggert

03:30 PM - 03:50 PM **Disentangling Uncertainties in Drought Prediction - A Probabilistic Perspective on Natural Variability**
Henri Funk

03:50 PM - 04:10 PM **HIRGEV - TPI: An innovation funds subsidised project to investigate the influence of heat on mortality and morbidity in a cohort of over 5 million people with statutory health insurance**
Angela Johanna Ernst

04:10 PM - 04:30 PM **Crop Yield Projections Using Weighted Multi-Model Ensembles Under Climate Change**
Michael Höhle

04:30 PM - 04:50 PM **Dose-Response Modelling Using the Template Model Builder**
Daniel Gerhard

Tuesday, March 25, 05:10 PM - 06:30 PM

Section 25 Applied Time Series Analysis and Forecasting 1

Tuesday, 25
05:10 PM
DOR24
1.101

Time: 05:10 PM - 06:30 PM, Room: DOR24, 1.101
Chair(s): Yannick Hoga

05:10 PM - 05:30 PM **Increasing the Efficiency of Recycling Through Statistical Modelling and Analyses**
Jakob Becker

05:30 PM - 05:50 PM **Bivariate vine copula regression models for wind vectors in Germany**
Ferdinand Buchner

05:50 PM - 06:10 PM **Locating events in air quality sensor data using an Ornstein-Uhlenbeck based model**
Hanke Guo

06:10 PM - 06:30 PM **oRaklE - Automated long-term demand forecasting in hourly resolution.**
Johannes Schwenzer

Emil Gumbel: The prediction of extreme events (Documentary Movie) I

Tuesday, 25
05:10 PM
DOR24
1.103

Time: 05:10 PM - 06:30 PM, Room: DOR24, 1.103

Section 45 Advanced Multivariate and Non-Parametric Statistical Methods

Tuesday, 25
05:10 PM
DOR24
Fritz Reuter

Time: 05:10 PM - 06:30 PM, Room: DOR24, Fritz Reuter
Chair(s): Markus Pauly

05:10 PM - 05:30 PM **Multivariate sign depth and related distribution-free tests for model fit**
Christine Müller

05:30 PM - 05:50 PM **Non-parametric Monitoring of Spatial Dependence**
Philipp Wittenberg

05:50 PM - 06:10 PM **Empirical energy distance for locally stationary processes**
Carina Beering

06:10 PM - 06:30 PM **Robust functional PCA for density data**
Jeremy Oguamalam

Section 15 Methods to analyse longitudinal data (from patient reported outcomes to tumour growth)

Tuesday, 25
05:10 PM
UL6
1070

Time: 05:10 PM - 06:30 PM, Room: UL6, 1070
Chair(s): Cornelia Ursula Kunz

05:10 PM - 05:30 PM **Area under the Borg-Score curve - A patient-centered approach for assessing exertion under cardiopulmonary exercise testing**
Tobias Bluhmki

05:30 PM - 05:50 PM **Comparison of cLDA vs MRMM for Patient Reported Outcomes**
Hannes Buchner

05:50 PM - 06:10 PM **Comparative Analysis of Averaging Methods for Assessing Relative Change in Clinical Trials**
Maurice Klaus

06:10 PM - 06:30 PM **Applying Bayesian Methods for Tumor Growth Modelling**
Benedikt Benziger

Section 23 Combining Statistical Modelling and Deep Learning

Tuesday, 25
05:10 PM
UL6
2002

Time: 05:10 PM - 06:30 PM, Room: UL6, 2002
Chair(s): Marvin N. Wright

05:10 PM - 05:30 PM **Sparse log-contrasts meets semi-structured models**
Minh Viet Tran

05:30 PM - 05:50 PM **Semi-structured Conditional Density Regression for Individual-Level Data**
Maarten Jung

05:50 PM - 06:10 PM **The Factor Flow Copula Model**
Bolin Liu

06:10 PM - 06:30 PM **Valid Adjustment and Inference with High-Dimensional Confounding using Pre-Trained Neural Networks**
Rickmer Schulte

Section 14 Data Quality and Imputation

Tuesday, 25
05:10 PM
UL6
2091

Time: 05:10 PM - 06:30 PM, Room: UL6, 2091
Chair(s): Carsten Oliver Schmidt

05:10 PM - 05:30 PM **Balancing Flexibility and Standardization of Statistical Analyses in Automated Data Quality Assessments**
Elisa Kasbohm

05:30 PM - 05:50 PM **Multiple Imputation for Missing Values of Ordinal Variables in Cancer Registry Data when Performing Cox Proportional Hazards Regression**
Anika Kästner

05:50 PM - 06:10 PM **Applying Imputation Models to Allergy Risk Factor Data in the NAKO Cohort**
Tatjana Tissen-Diabaté

06:10 PM - 06:30 PM **A scoping review of statistical methods for retrospective harmonization of longitudinal epidemiological data**
Jiumeng Zhang

Section 11 Causal inference - measured and unmeasured confounding

Tuesday, 25
05:10 PM
UL6
2094

Time: 05:10 PM - 06:30 PM, Room: UL6, 2094
Chair(s): Elise Dumas

05:10 PM - 05:30 PM **A note on z-differences as balance measures in matched propensity score analyses**
Alexandra Strobel

05:30 PM - 05:50 PM **DoubleMLDeep: Estimation of Causal Effects with Multimodal Data**
Martin Spindler

05:50 PM - 06:10 PM **Handling Unmeasured Confounding in Mediation Analysis: A Bayesian Latent Variable Approach**
Sofia Morelli

06:10 PM - 06:30 PM **Advancing Causal Mediation Analysis with Unobserved Confounders: Challenges and Solutions Using Deep Learning**
Holger Brandt

Section 42 Bayesian Approaches for Applications in Physics and Technology

Tuesday, 25
05:10 PM
UL6
2097

Time: 05:10 PM - 06:30 PM, Room: UL6, 2097
Chair(s): Katja Ickstadt

05:10 PM - 05:30 PM **Bayesian inference for high-dimensional linear inverse problems using deep learning based posterior sampling**
Gerd Wübbeler

05:30 PM - 05:50 PM **Plans for attribute sampling when observations are destructive**
Hugalf Bernburg

05:50 PM - 06:30 PM **Bayesian assessment of corrosion-related failures in a steel pipeline network**
Antonio Pievatolo

Section 31 Bioinformatics and Pattern Recognition

Tuesday, 25
05:10 PM
UL6
3038

Time: 05:10 PM - 06:30 PM, Room: UL6, 3038
Chair(s): Xiangnan Xu

05:10 PM - 05:30 PM **Tumor classification with MALDI-MSI-Data**
Annalena Weissert

05:30 PM - 05:50 PM **Using a unified framework for regularized multi-task learning to identify a common signature of predictors across several tasks**
Roman Schefzik

05:50 PM - 06:10 PM **A novel generalized functional probabilistic principal component analysis for the analysis of longitudinal microbiome data**
Xiangnan Xu

06:10 PM - 06:30 PM **High-dimensional Regression for Screening of Important Genetic and Environmental Factors**
Sven Teschke

Section 34 Statistics in Crop Science

Tuesday, 25
05:10 PM
UL6
3075

Time: 05:10 PM - 06:30 PM, Room: UL6, 3075
Chair(s): Hans-Peter Piepho

05:10 PM - 05:50 PM **Multidimensional P-Splines for the Analysis of Agricultural Data**
Maria Xose Rodriguez-Alvarez

05:50 PM - 06:10 PM **Connecting Variety Trialling Systems Across Two Countries**
Waqas Malik

06:10 PM - 06:30 PM **Assessing the efficiency and heritability of blocked tree breeding trials**
Hans-Peter Piepho

Tuesday, March 25, 05:30 PM - 06:30 PM

Section 22 Clustering and Classification III
Time: 05:30 PM - 06:30 PM, Room: UL6, 1072
Chair(s): Matthias Gehrke

Tuesday, 25
05:30 PM
UL6
1072

05:30 PM - 05:50 PM **Functional dimensionality reduction maximizing ordinal separability**
Giulia Patanè

05:50 PM - 06:10 PM **Collusion Detection with Graph Neural Networks**
Mara Mattes

06:10 PM - 06:30 PM **Convergence clubs in the European Union**
Joachim Schnurbus

Tuesday, March 25, 06:30 PM - 07:00 PM

GfKl AG DANK
Time: 06:30 PM - 07:00 PM, Room: UL6, 1072
Chair(s): Gero Szepannek

Tuesday, 25
06:30 PM
UL6
1072

Wednesday, March 26

Wednesday, March 26, 08:00 AM - 08:45 AM

Free Morning Tutorial - An introduction to individual participant data meta-analysis
Time: 08:00 AM - 08:45 AM, Room: DOR24, Fritz Reuter
Instructor(s): Tim Friede, Thomas Debray

Wednesday, 26
08:00 AM
DOR24
Fritz Reuter

Free Morning Tutorial - Inference for survival data subject to left truncation and right censoring: An introduction
Time: 08:00 AM - 08:45 AM, Room: UL6, 2091
Instructor(s): Rafael Weißbach, Eric Scholz

Wednesday, 26
08:00 AM
UL6
2091

Wednesday, March 26, 09:00 AM - 10:20 AM

Section 26 On Social Responsible and Fair AI and ML
Time: 09:00 AM - 10:20 AM, Room: UL6, 2097
Chair(s): Markus Pauly

Wednesday, 26
09:00 AM
UL6
2097

09:00 AM - 09:40 AM **Fairness conflicts: Why it's not just another optimization problem**
Eirini Ntoutsi

09:40 AM - 10:00 AM **An application for fostering ethical understanding and decision-making processes in data and AI-related contexts**
Lisa-Marie Kauck

10:00 AM - 10:20 AM **Privilege Scores for Fairness-Aware ML**
Ludwig Bothmann

Wednesday, March 26, 09:00 AM - 10:40 AM

Section 24 Text mining and NLP
Time: 09:00 AM - 10:40 AM, Room: DOR24, 1.101
Chair(s): Matthias Aßenmacher

Wednesday, 26
09:00 AM
DOR24
1.101

09:00 AM - 09:20 AM **Metadata-Aware and Temporally Induced Latent Dirichlet Allocation (MATILDA)**
Kai-Robin Lange

09:20 AM - 09:40 AM **ClimXtract: An open-source data extraction pipeline for company-level greenhouse gas emissions**
Anna Steinberg

09:40 AM - 10:00 AM **Market Effects of Climate Language in Corporate Earnings Calls**
Peter Paul Dimke

10:00 AM - 10:40 AM **Explanations for Large Language Models, and How to Evaluate Them**
Benjamin Roth

Section 12 Adaptive Designs I

Wednesday, 26
09:00 AM
DOR24
Fritz Reuter

Time: 09:00 AM - 10:40 AM, Room: DOR24, Fritz Reuter
Chair(s): Thomas Asendorf

09:00 AM - 09:40 AM **Optimal two-stage biomarker-stratified designs with enrichment**
Anastasia Ivanova

09:40 AM - 10:00 AM **A seamless phase I/II platform design for potential COVID-19 therapies**
Thomas Jaki

10:00 AM - 10:20 AM **A Review of the Statistical Implications of Adding New Treatment Arms to Ongoing Clinical Trials**
Sonja Drescher

10:20 AM - 10:40 AM **Dealing with missing values in adaptive N-of-1 trials**
Juliana Schneider

Section 65 Synthetic Data, Georeferencing & Disclosure Control

Wednesday, 26
09:00 AM
UL6
1070

Time: 09:00 AM - 10:40 AM, Room: UL6, 1070
Chair(s): Hanna Brenzel

09:00 AM - 09:40 AM **Two Worlds United? Synthetic Data in Statistics and Computer Science**
Jörg Drechsler

09:40 AM - 10:00 AM **Anonymization of integrated and georeferenced Data (AnigeD)**
Jannek Mühlhan

10:00 AM - 10:20 AM **Investigating the black box - do only hyperparameters and estimation methods influence the utility of synthetic data?**
Yannik Garcia Ritz

10:20 AM - 10:40 AM **Can synthetic data mirror the structure of health care data? - An analysis on population-based cancer registry data**
Hannah Baltus

Section 43 Robust Predictions and Uncertainty Quantification in Statistical Learning

Wednesday, 26
09:00 AM
UL6
1072

Time: 09:00 AM - 10:40 AM, Room: UL6, 1072
Chair(s): Hajo Holzmann

09:00 AM - 09:20 AM **Uncertainty quantification via cross-validation and its variants under algorithmic stability**
Nicolai Amann

09:20 AM - 09:40 AM **Consistency of IDR under Model Misspecification**
Georgios Gavrilopoulos

09:40 AM - 10:00 AM **Interval prediction of record values with applications**
Anja Bettina Schmiedt

10:00 AM - 10:40 AM **Survival analysis under label shift: a likelihood-based approach**
Ingrid Van Keilegom

Section 23 Classification and differential equations using neural networks

Time: 09:00 AM - 10:40 AM, Room: UL6, 2002
Chair(s): Benjamin Säfken

Wednesday, 26
09:00 AM
UL6
2002

09:00 AM - 09:20 AM **Comparing Different Deep Learning Architectures to Detect Respondent Difficulty in Web Surveys via Mouse Trajectories**
Tobias Wistuba

09:20 AM - 09:40 AM **Application of Neural Networks in Common Carp microbiome classification**
Marek Sztuka

09:40 AM - 10:00 AM **Approaches to dimensionality reduction for ultrahigh dimensional data**
Joanna Szyda

10:00 AM - 10:20 AM **A statistical approach to latent dynamic modeling with differential equations for individual disease trajectories**
Maren Hackenberg

10:20 AM - 10:40 AM **Leveraging low-dimensional representations to align synthetic trajectories derived from expert-based models with real patient data**
Hanning Yang

Section 16 Innovations in Survival Analysis: Pseudo-Observations, Truncation, and Event-Free Survival

Time: 09:00 AM - 10:40 AM, Room: UL6, 2091
Chair(s): Marina Dietrich

Wednesday, 26
09:00 AM
UL6
2091

09:00 AM - 09:40 AM **Regression analysis with jack-knife pseudo-observations**
Morten Overgaard

09:40 AM - 10:00 AM **Testing Dependent Left Truncation: How Well Do Current Tests Perform?**
Regina Stegherr

10:00 AM - 10:20 AM **Estimating the new event-free survival**
Judith Vilsmeier

10:20 AM - 10:40 AM **Evaluation of event rate differences using stratified Kaplan-Meier estimates with different weights and variance estimators**
Stephan Bischofberger

Section 41 Advanced Regression Modelling 1

Time: 09:00 AM - 10:40 AM, Room: UL6, 2094
Chair(s): Thomas Kneib

Wednesday, 26
09:00 AM
UL6
2094

09:00 AM - 09:40 AM **Modeling the local impact of summer heat on mortality**
Christel Faes

09:40 AM - 10:00 AM **Distributional regression for polygenic risk scores via batchwise boosting for large data**
Qiong Wu

10:00 AM - 10:20 AM **A Monte Carlo EM approach to scalar-on-density regression with sparsely observed densities**
Johannes Feeser

10:20 AM - 10:40 AM **Conditional additive density regression for individual-level observations**
Eva-Maria Maier

Section 53 Teaching Statistics (with Discussion)

Time: 09:00 AM - 10:40 AM, Room: UL6, 3038
Chair(s): Karin Binder

Wednesday, 26
09:00 AM
UL6
3038

09:00 AM - 09:20 AM **Exploring Statistical Mishaps**
Elizabeth Y. Yuu

09:20 AM - 09:40 AM **Rethinking teaching statistics in Germany**
Thomas Skill

09:40 AM - 10:00 AM **But Have You Ever Deployed a Model to Production? Bridging the Skills Gap in Data Science with Machine Learning Operations**
Robert Clements

10:00 AM - 10:40 AM **Integrating Artificial Intelligence into Biostatistics Curricula**
Ursula Berger

Statistical Practice: Open and Reproducible Research - an interactive workshop Part I

Time: 09:00 AM - 10:40 AM, Room: UL6, 3075
Instructor(s): Heidi Seibold

Wednesday, 26
09:00 AM
UL6
3075

Wednesday, March 26, 11:10 AM - 12:20 PM

Keynote: Scaling and Generalizing Approximate Bayesian Inference

Time: 11:10 AM - 12:20 PM, Room: UL6, 3038
Chair(s): Holger Brandt

Wednesday, 26
11:10 AM
UL6
3038

11:10 AM - 12:20 PM **Scaling and Generalizing Approximate Bayesian Inference**
David Blei

DOR24, Fritz Reuter **Keynote Broadcast**

UL6, 2091 **Keynote Broadcast**

UL6, 2094 **Keynote Broadcast**

UL6, 2097 **Keynote Broadcast**

UL6, 3075 **Keynote Broadcast**

Wednesday, March 26, 12:20 PM - 01:30 PM

IBS-DR AG Statistische Methoden in der Epidemiologie

Time: 12:20 PM - 01:30 PM, Room: DOR24, 1.402
Chair(s): Irene Schmidtmann

Wednesday, 26
12:20 PM
DOR24
1.402

IBS-DR AG Nachwuchs

Time: 12:20 PM - 01:30 PM, Room: DOR24, 1.403
Chair(s): Stefanie Peschel

Wednesday, 26
12:20 PM
DOR24
1.403

IBS-DR AG Bayes Methodik

Time: 12:20 PM - 01:30 PM, Room: DOR24, 1.404
Chair(s): Reinhard Vonthein

Wednesday, 26
12:20 PM
DOR24
1.404

IBS-DR AG Populationsgenetik und Genomanalyse
Time: 12:20 PM - 01:30 PM, Room: DOR24, 1.405
Chair(s): Pascal Schlosser

Wednesday, 26
12:20 PM
DOR24
1.405

IBS-DR AG Statistik stochastischer Prozesse
Time: 12:20 PM - 01:30 PM, Room: DOR24, 1.406
Chair(s): Dennis Dobler, Jan Feifel

Wednesday, 26
12:20 PM
DOR24
1.406

Wednesday, March 26, 01:30 PM - 02:00 PM

Wednesday, 26
01:30 PM
UL6
Senatssaal

Poster Session II
Time: 01:30 PM - 02:00 PM, Room: UL6, Senatssaal

Optimal Design for Determining the Limit of Detection in Interlaboratory Experiments
Irtefaa Alshaibani

When to Collect Data? A Sobol Index Strategy for Model-Based Experimental Design
Houda Yaqine

Prognostic value and stability of feature selection using Coxboost
Elena Butz

Prevalence and Risk Factor Analysis of Hypertension in Rural Adults: A Novel 7-Category Blood Pressure System and Generalized Linear Mixed-Effects Model Approach
Fayaz Ahmad

Confidence intervals for comparing two independent folded normals
Andreas Ziegler

multiCASANOVA and Friends - Multiple Testing for non-proportional Time-to-event data
Ina Dormuth

Comparing a time-to-event endpoint in a two-arm trial investigating personalized treatment
Marilena Müller

Bayesian Joint Modeling of Bivariate Longitudinal and Time-to-Event Data: With Application of Micro and Macro Vascular Complication in People with Type 2 Diabetes and Hypertension.
Mequanent wale Mekonen

Adaptive Variable Selection in Bayesian Mixture Models for Clustering Single-cell RNA Sequencing Data
Niklas Lück

Use of Face Recognition to Enhance the Security of Automated Teller Machine (ATM)
Hussen Asefa

Concept Activation Vectors from a Statistical Learning Perspective
Ekkehard Schnoor

Forecasting In-Game Win Probabilities in Handball: Evaluating the Impact of Goalkeeper Substitution
Rouven Michels

Guidelines for Research Data Integrity (GRDI)
Gregor Miller, Elmar Spiegel

A Toolbox for Evaluating Explainable AI in the Context of Genomics
Benjamin Fürst

A Comparison of Alternative Boxplots for Skewed Distributions
Mustafa Cavus

Assessment of lung damage from silica dust: threshold values and calculation methods for cumula-tive exposure
Christin Schröder

Investigation of the temporal changes in brain activity based on functional Magnetic Resonance Imaging data
Magdalena Frąszczak

Spatiotemporal analysis of unobserved birth- and death processes and survival rate using the stochastic EM algorithm
Martje Rave

Comparing an analytical and a simulation approach for analyzing lognormal quantile estimation in samples
Anne Lotz

Genetic and geographic influence on phenotypic variation in European sarcoidosis patients
Sandra Freitag-Wolf

Survival probabilities as a centrepiece of theories of behaviour
Alex Rieger

Momentum Effects in Team Sports: Analysing the Interplay between Offence and Defence in the NBA
David Winkelmann

Endemic-epidemic modelling of public-health surveillance data in R
Sophie Reichert

Wednesday, March 26, 02:00 PM - 03:20 PM

Section 25 Forecasting Methods

Wednesday, 26
02:00 PM
DOR24
1.101

Time: 02:00 PM - 03:20 PM, Room: DOR24, 1.101
Chair(s): Yannick Hoga

02:00 PM - 02:40 PM **(Conformal) isotonic distributional regression**
Johanna Ziegel

02:40 PM - 03:00 PM **Uncertainty Quantification in Forecast Comparisons**
Marc-Oliver Pohle

03:00 PM - 03:20 PM **Conditional Method Confidence Set**
Lukas Bauer

Section 12 Statistical Testing and Theory

Wednesday, 26
02:00 PM
DOR24
Fritz Reuter

Time: 02:00 PM - 03:20 PM, Room: DOR24, Fritz Reuter
Chair(s): Werner Brannath

02:00 PM - 02:20 PM **Family-wise error rate control in clinical trials with overlapping populations**
Remi Luschei

02:20 PM - 02:40 PM **Optimal Designs for Nonlinear Regression with Dependent Errors using Matrix Norms**
Pauline Baur

02:40 PM - 03:00 PM **Cross-over trials in clinical psychology - rarely a good idea**
Daniel Schulze

03:00 PM - 03:20 PM **Clinical electronic Structured Harmonised Protocols - How is ICH M11 supporting trial design and reporting?**
Theodor Framke

Section 63 Spatial and spatio-temporal Statistics I

Wednesday, 26
02:00 PM
UL6
1070

Time: 02:00 PM - 03:20 PM, Room: UL6, 1070
Chair(s): Almond Stöcker

02:00 PM - 02:40 PM **Random Forests for Spatially Dependent Data**
Arkajyoti Saha

02:40 PM - 03:00 PM **Sparse spatial pattern selection via component-wise gradient boosting**
Tobias Hepp

03:00 PM - 03:20 PM **Scalable Composite Transformations for Generative Modeling of High-Dimensional Non-Gaussian Spatial Fields**
Johannes Brachem

Section 46 Advances in Item Response Theory-based measurement of abilities

Wednesday, 26
02:00 PM
UL6
1072

Time: 02:00 PM - 03:20 PM, Room: UL6, 1072
Chair(s): Susanne Frick

02:00 PM - 02:20 PM **Personalizing Psychological Measurements: How Self-Chosen Rating Scales Improve Construct Validity and Reliability**
Tanja Kutscher

02:20 PM - 02:40 PM **Beyond Counts of Attempts: Integrating Action Sequences into Sequential Item Response Theory**
Tuo Liu

02:40 PM - 03:00 PM **Effects of the Highly Adaptive Testing Design on Plausible Value-Based Population-Estimates in PISA**
Aron Fink

03:00 PM - 03:20 PM **A Multilevel Mixture Item Response Theory Model for Partial Engagement in Proficiency Tests**
Gabriel Nagy

Section 21 Tree-based AI

Wednesday, 26
02:00 PM
UL6
2002

Time: 02:00 PM - 03:20 PM, Room: UL6, 2002
Chair(s): Göran Kauermann

02:00 PM - 02:20 PM **Class-focused variable importance via multi forests**
Roman Hornung

02:20 PM - 02:40 PM **Oblique splits in artificial representative trees for random forests**
Björn-Hergen Laabs

02:40 PM - 03:00 PM **Decision Trees and their Optimization**
Claus Weihs

03:00 PM - 03:20 PM **Permutation-based multiple testing-controlled variable selection using random forests**
Tim Müller

Section 11 Causal inference - mixed topics

Time: 02:00 PM - 03:20 PM, Room: UL6, 2091
Chair(s): Claudia Börnhorst

Wednesday, 26
02:00 PM
UL6
2091

02:00 PM - 02:20 PM **A Note on High-Dimensional Confidence Regions with Application to Linear Regression**
Jannis Kueck

02:20 PM - 02:40 PM **How to differentiate between causes and consequences in panel data - comparing cross lagged panel models and dynamic multivariate panel models**
Ulrike Grittner

02:40 PM - 03:00 PM **A statistical framework for investigating the causal impact of study characteristics on replicability**
Steffi Pohl

03:00 PM - 03:20 PM **On Selection Bias in Statistical Causality**
Leihao Chen

Section 45 Robust Statistical Methods for Model Fitting and Data Analysis I

Time: 02:00 PM - 03:20 PM, Room: UL6, 2097
Chair(s): Claudia Kirch

Wednesday, 26
02:00 PM
UL6
2097

02:00 PM - 02:20 PM **Robust Estimation and Inference for Categorical Data**
Max Welz

02:20 PM - 02:40 PM **Nonparametric Statistical Inference for Niche Overlap**
Jonas Beck

02:40 PM - 03:00 PM **Some General Points for Inflation Models**
Dankmar Böhning

03:00 PM - 03:20 PM **Testing for Differences in Extrinsic Skin Aging Based on Density Functions**
Akin Anarat

Section 53 Statistical Literacy & Statistical Education

Time: 02:00 PM - 03:20 PM, Room: UL6, 3038
Chair(s): Ursula Berger

Wednesday, 26
02:00 PM
UL6
3038

02:00 PM - 02:20 PM **Effects of frequency format, visualizations and the frequency effect within visualizations for Bayesian reasoning**
Michael Rößner

02:20 PM - 02:40 PM **“Ziegen Zocken“ - The Monty Hall problem revisited as a classroom learning for children**
Lars Andersen

02:40 PM - 03:00 PM **“Space Shuttle Challenger disaster” - How statistics could have saved lives**
Cornelia Ursula Kunz

03:00 PM - 03:20 PM **Developing and Evaluating Learning Applications in Statistics Education Using the Tool "MultiLA"**
Andre Beinrucker

Statistical Practice: Open and Reproducible Research - an interactive workshop Part II

Time: 02:00 PM - 03:20 PM, Room: UL6, 3075
Instructor(s): Heidi Seibold

Wednesday, 26
02:00 PM
UL6
3075

Wednesday, March 26, 03:30 PM - 05:30 PM

IBS Members' meeting

Time: 03:30 PM - 05:30 PM, Room: UL6, 3038
Chair(s): Anne-Laure Boulesteix, Jan Beyersmann

Wednesday, 26
03:30 PM
UL6
3038

Wednesday, March 26, 03:50 PM - 05:10 PM

Section 25 Applied Time Series Analysis and Forecasting 2

Time: 03:50 PM - 05:10 PM, Room: DOR24, 1.101
Chair(s): Anne Leucht

Wednesday, 26
03:50 PM
DOR24
1.101

03:50 PM - 04:10 PM **Hierarchical reconciliation of time-series-based conformal predictions - an empirical study**
Lara Kuhlmann

04:10 PM - 04:30 PM **Machine Learning for Forecasting Chaotic Systems**
Christof Schötz

04:30 PM - 04:50 PM **Can Chronological Time be used as a Proxy for Unobserved Time-Varying Covariates in N-of-1 Trials?**
Thomas Gaertner

04:50 PM - 05:10 PM **The Variable Selection Performance of Weighted Lag Adaptive LASSO with High Dimensional Covariates**
Nantawat Maha

Section 63 Spatial and spatio-temporal Statistics II

Time: 03:50 PM - 05:10 PM, Room: UL6, 1070
Chair(s): Almond Stöcker

Wednesday, 26
03:50 PM
UL6
1070

03:50 PM - 04:10 PM **Summary Characteristics for Composition-valued Marked Point Processes**
Matthias Eckardt

04:10 PM - 04:30 PM **From time series to spatial data: a generalized approach for change detection**
Sheila Görz

04:30 PM - 04:50 PM **Adaptive optimal grid designs for kriging models**
Subhadra Dasgupta

04:50 PM - 05:10 PM **Elastic Full Procrustes Analysis of Plane Curves via Hermitian Covariance Smoothing**
Almond Stöcker

Section 46 Linking, equating, and norming in the context of IRT

Wednesday, 26
03:50 PM
UL6
1072

Time: 03:50 PM - 05:10 PM, Room: UL6, 1072
Chair(s): Andreas Frey

03:50 PM - 04:30 PM **Observed-score Equating Revisited**
Wim J. van der Linden

04:30 PM - 04:50 PM **Continuous norming of a multidimensional test with a higher-order 2PL-IRT model**
Hannah M. Heister

04:50 PM - 05:10 PM **Linking the MaK-adapt Mathematics Test with the German Educational Standards for Mathematics**
Andreas Frey

Section 21 xAI, Interpretability

Wednesday, 26
03:50 PM
UL6
2002

Time: 03:50 PM - 05:10 PM, Room: UL6, 2002
Chair(s): Marieke Stolte

03:50 PM - 04:10 PM **Interpretable Machine Learning for Survival Neural Networks**
Sophie Hanna Langbein

04:10 PM - 04:30 PM **Achieving explainable machine learning by functional decomposition of black-box models into explainable predictor effects**
David Köhler

04:30 PM - 04:50 PM **Sources of Uncertainty in Supervised Machine Learning - A Statisticians' View**
Cornelia Gruber

04:50 PM - 05:10 PM **The role of modelling culture in laboratory diagnosis of infectious disease**
Alice Richardson

Emil Gumbel: The prediction of extreme events (Documentary Movie) II

Wednesday, 26
03:50 PM
UL6
2091

Time: 03:50 PM - 05:10 PM, Room: UL6, 2091

Section 54 Statistics in Social, Behavorial and Educational Sciences I

Wednesday, 26
03:50 PM
UL6
2094

Time: 03:50 PM - 05:10 PM, Room: UL6, 2094
Chair(s): Heinz Leitgöb

03:50 PM - 04:30 PM **Causal Inference and Machine Learning for Sociology**
Jennie Brand

04:30 PM - 04:50 PM **Large Language Models and Correcting for Misclassification in Regression Models: A Two-Step Approach in Sociolinguistics**
Helen Alber

04:50 PM - 05:10 PM **Assessing Replication Success: Correspondence Measures for Prospective Replications**
Dennis Kondzic

Section 45 Robust Statistical Methods for Model Fitting and Data Analysis II

Time: 03:50 PM - 05:10 PM, Room: UL6, 2097
Chair(s): Konstantin Emil Thiel

Wednesday, 26
03:50 PM
UL6
2097

03:50 PM - 04:10 PM **Proper Correlation Coefficients for Discrete Random Variables**
Jan-Lukas Wermuth

04:10 PM - 04:30 PM **Sample Size Planning for the Wilcoxon-Mann-Whitney Test with Dependent Replicates**
Erin Sprünken

04:30 PM - 04:50 PM **Sequential Monte Carlo depth computation with statistical guarantees**
Claudia Kirch

04:50 PM - 05:10 PM **Early and Late Buzzards: Comparing Different Approaches for Quantile-based Multiple Testing in Heavy-Tailed Wildlife Research Data**
Marléne Baumeister

Wednesday, March 26, 05:30 PM - 06:30 PM

Panel Discussion: In Times of AI

Time: 05:30 PM - 06:30 PM, Room: DOR24, Fritz Reuter
Chair(s): Claudia Kirch

Wednesday, 26
05:30 PM
DOR24
Fritz Reuter

Thursday, March 27

Thursday, March 27, 08:00 AM - 08:45 AM

Free Morning Tutorial - Practical Bayesian Statistics: A gentle refresher on probability theory, Bayesian Framework and Intuition for effective application in Biostatistics
Time: 08:00 AM - 08:45 AM, Room: UL6, 2091
Instructor(s): Audrey Yeo

Thursday, 27
08:00 AM
UL6
2091

Thursday, March 27, 09:00 AM - 10:20 AM

Section 25 Recent Advances in Time Series Analysis
Time: 09:00 AM - 10:20 AM, Room: DOR24, 1.101
Chair(s): Anne Leucht

Thursday, 27
09:00 AM
DOR24
1.101

09:00 AM - 09:20 AM **Online Breakpoint -Detection in Cointegrating Relationships**
Leopold Sögner

09:20 AM - 09:40 AM **Structural Periodic Vector Autoregressions**
Daniel Dzikowski

09:40 AM - 10:00 AM **Coherent Forecasting of Ordinal Time Series**
Christian Weiß

10:00 AM - 10:20 AM **Multivariate Expansion for Hierarchical Time Series Models**
Felix Fesca

Thursday, March 27, 09:00 AM - 10:40 AM

Section 12 Design of Methods Studies
Time: 09:00 AM - 10:40 AM, Room: DOR24, Fritz Reuter
Chair(s): Willi Sauerbrei

Thursday, 27
09:00 AM
DOR24
Fritz Reuter

09:00 AM - 09:20 AM **Towards appropriate study designs and reliable empirical evidence in methodological research: recent developments**
Anne-Laure Boulesteix

09:20 AM - 09:40 AM **Simulation Studies for Methodological Research in Psychology: A Standardized Template for Planning, Preregistration, and Reporting**
Björn S. Siepe

09:40 AM - 10:00 AM **Handling Missingness, Failures, and Non-Convergence in Simulation Studies: A Review of Current Practices and Recommendations**
Samuel Pawel

10:00 AM - 10:20 AM **The multiplicity of visualization strategies: "big little lies" or unavoidable subjectivity?**
Milena Wünsch

10:20 AM - 10:40 AM **"Storytelling" in methodological research: How domain knowledge may favor the method of choice**
Maximilian Mandl

Section 62 Network Data Analysis

Thursday, 27
09:00 AM
UL6
1070

Time: 09:00 AM - 10:40 AM, Room: UL6, 1070
Chair(s): Göran Kauermann

09:00 AM - 09:40 AM **Fully Bayesian Estimation of Temporal Decay in Relational Event Models**
Philip Leifeld

09:40 AM - 10:00 AM **Marginal effects for the stochastic actor-oriented model**
Daniel Gotthardt

10:00 AM - 10:20 AM **Phylogenetic Latent Space Models for Network Data**
Federico Pavone

10:20 AM - 10:40 AM **Graphical Conditional Transformation Model**
Matthias Herp

Section 43 Advances in Statistical Inference and Functional Data Analysis

Thursday, 27
09:00 AM
UL6
1072

Time: 09:00 AM - 10:40 AM, Room: UL6, 1072
Chair(s): JKirsten Schorning

09:00 AM - 09:20 AM **Nonlinear Causal Discovery for Grouped Data**
Konstantin Göbler

09:20 AM - 09:40 AM **Zero-inflated gamma distributions and statistical inference**
Zhe Su

09:40 AM - 10:00 AM **Expected Information and its Applications**
Uwe Saint-Mont

10:00 AM - 10:20 AM **Transfer learning in functional data analysis: Optimal Rates in the supremum norm and a functional CLT**
Kevin Wilk

10:20 AM - 10:40 AM **Optimal estimation rates for the covariance kernel in functional data analysis with synchronous design**
Max Berger

Section 21 AI Innovations

Thursday, 27
09:00 AM
UL6
2002

Time: 09:00 AM - 10:40 AM, Room: UL6, 2002
Chair(s): Adalbert Wilhelm

09:00 AM - 09:40 AM **How to make logics neurosymbolic**
Luc De Raedt

09:40 AM - 10:00 AM **AI Immersion of a Holistic Functional Structure Into Medical Physiology**
Jochen Mau

10:00 AM - 10:20 AM **Lessons learned from building applications based on large language models in clinical development**
Pietro Mascheroni

10:20 AM - 10:40 AM **Random Planted Forest: A Directly Interpretable Tree Ensemble**
Lukas Burk

Section 91 Young Statisticians

Thursday, 27
09:00 AM
UL6
2091

Time: 09:00 AM - 10:40 AM, Room: UL6, 2091
Chair(s): Maren Hackenberg

09:00 AM - 09:20 AM **Marginal Matched Pairs Cox Regression**
Jana Kinzel

09:20 AM - 09:40 AM **DGrowthR: a integrative statistical modeling and inference framework for large-scale bacterial growth data**
Medina Feldl

09:40 AM - 10:00 AM **Optimal Designs for Non-Linear Segmented Regression**
Jan-Bernd Igelmann

10:00 AM - 10:20 AM **Projections of multidimensional count data IRT models and their empirical indistinguishability**
Loreen Sabel

10:20 AM - 10:40 AM **Causality in Extremes: Exploring the General Case of Different Tails**
Lisa Leimenstoll

Section 41 Advanced Regression Modelling 2

Thursday, 27
09:00 AM
UL6
2094

Time: 09:00 AM - 10:40 AM, Room: UL6, 2094
Chair(s): Colin Griesbach

09:00 AM - 09:20 AM **A Distributional Regression Approach for Gaussian Process Responses**
Thomas Kneib

09:20 AM - 09:40 AM **Data-driven variable selection for distributional copula regression with asymmetric dependence structures**
Guillermo Briseño Sanchez

09:40 AM - 10:00 AM **D-Vine Copula based Probabilistic Weather Forecasting**
Annette Möller

10:00 AM - 10:20 AM **Multilevel Models for Plot Based Design Studies in Ecology**
Jens Lichter

10:20 AM - 10:40 AM **Re-thinking spatial components in gradient boosting**
Lars Knieper

Section 61 Statistical Methods for Rare Events, Extreme Values, and Limitations in Data

Thursday, 27
09:00 AM
UL6
2097

Time: 09:00 AM - 10:40 AM, Room: UL6, 2097
Chair(s): Heinz Leitgöb

09:00 AM - 09:20 AM **Recovering Effect Parameters in Rare Events Data: A Simulation Study Evaluating the Performance of Different Statistical Modeling Approaches**
Marcel Günther

09:20 AM - 09:40 AM **Measurements below the limit of quantification in multivariable regression modelling - motivated by the Ü45 checkup study**
Carolin Herrmann

09:40 AM - 10:00 AM **Modeling joint extreme events via boosting distributional copula regression**
Annika Strömer

10:00 AM - 10:20 AM **A Pareto Tail Plot Without Moment Restrictions**
Bernhard Klar

10:20 AM - 10:40 AM **Which distributions in the max-domain of attraction satisfy von Mises representation or variation representation for a given auxiliary function?**
Miriam Isabel Seifert

Section 14 Public Health and Signal Detection

Thursday, 27
09:00 AM
UL6
3038

Time: 09:00 AM - 10:40 AM, Room: UL6, 3038
Chair(s): Markus Schepers, Anne Lotz

09:00 AM - 09:20 AM **Evaluating the Benefits of Public Health and Social Measures on Pneumococcal Infections: An Adjusted Serfling Regression Approach**
Achim Dörre

09:20 AM - 09:40 AM **An open-source signal detection tool for infectious disease outbreaks: The development and application of signal detection methods within the European Public Health Community**
Ann Christin Vietor

09:40 AM - 10:00 AM **Lifetime prevalence of cancer in Germany between 2010 and 2019: An analysis based on aggregated data**
Kira Baginski

10:00 AM - 10:20 AM **Estimation of the incidence and remission rate of endometriosis in Germany in the period 2012 to 2022**
Maryam Mohammadi Saem

10:20 AM - 10:40 AM **BWSPsignal: Bayesian Weibull Shape Parameter tests for signal detection.**
Julia Dyck

Section 13 Navigating Complexity: Mastering Simultaneous Inference in Research

Thursday, 27
09:00 AM
UL6
3075

Time: 09:00 AM - 10:40 AM, Room: UL6, 3075
Chair(s): Lea Vaas, Bernd-Wolfgang Igl

09:00 AM - 09:20 AM **Statistical methods for dealing with deviations in concentration-response curves**
Huiying Zhou

09:20 AM - 09:40 AM **Statistical re-analysis of a toxicological evaluation of Neosugar used for GRAS notifications**
Markus Neuhäuser

09:40 AM - 10:00 AM **Individualized treatment rules in the context of personalized nutrition**
Paola G. Ferrario

10:00 AM - 10:20 AM **Regularized Multi-Omics Regression Modeling for Protein Data**
Jonas Heiner

10:20 AM - 10:40 AM **Rest-and-jump-and then? - identifying changes in gene expression**
Lucia Ameis

Thursday, March 27, 11:10 AM - 12:20 PM

Keynote: Online Reinforcement Learning in Digital Health Interventions

Thursday, 27
11:10 AM
UL6
3038

Time: 11:10 AM - 12:20 PM, Room: UL6, 3038
Chair(s): Sonja Greven

11:10 AM - 12:20 PM **Online Reinforcement Learning in Digital Health Interventions**
Susan Murphy

DOR24, Fritz Reuter **Keynote Broadcast**

UL6, 2091 **Keynote Broadcast**

UL6, 2094 **Keynote Broadcast**

UL6, 2097 **Keynote Broadcast**

UL6, 3075 **Keynote Broadcast**

Thursday, March 27, 12:20 PM - 01:20 PM

IBS-DR AG LeiterInnen

Thursday, 27
12:20 PM
DOR24
1.403

Time: 12:20 PM - 01:20 PM, Room: DOR24, 1.403
Chair(s): Thomas Asendorf

Thursday, March 27, 01:20 PM - 02:40 PM

Section 32 Empirical Economics and Applied Econometrics 1

Thursday, 27
01:20 PM
DOR24
1.101

Time: 01:20 PM - 02:40 PM, Room: DOR24, 1.101
Chair(s): Christoph Breunig

01:20 PM - 02:00 PM **Externally Valid Selection of Experimental Sites via the k-Median Problem**
Joerg Stoye

02:00 PM - 02:20 PM **Integrated Modified OLS Estimation and Fixed-b Inference for Cointegrating Multivariate Polynomial Regressions**
Martin Wagner

02:20 PM - 02:40 PM **The Inspection Paradox with Random Time**
Diana Rauwolf

Section 12 Diagnostic Trials and Measurement Theory

Thursday, 27
01:20 PM
DOR24
Fritz Reuter

Time: 01:20 PM - 02:40 PM, Room: DOR24, Fritz Reuter
Chair(s): Alexander Fierenz

01:20 PM - 01:40 PM **Multiple Contrast Test for Youden-Indices in Factorial Diagnostic Trials**
Dirk Schomburg

01:40 PM - 02:00 PM **Optimal design for growth curve models with count data**
Heinz Holling

02:00 PM - 02:20 PM **Optimal Design in Linear Paired Comparisons for Thurstonian IRT models**
Rainer Schwabe

02:20 PM - 02:40 PM **D-optimal and nearly D-optimal designs for binary response on the ball**
Martin Radloff

Section 56 Innovations in Survey Methodology: Integrating Digital Data and Enhancing Data Quality

Thursday, 27
01:20 PM
UL6
1070

Time: 01:20 PM - 02:40 PM, Room: UL6, 1070
Chair(s): Heinz Leitgöb

01:20 PM - 02:00 PM **Smart surveys: integrating survey data with sensors and other digital data**
Peter Lugtig

02:00 PM - 02:20 PM **Enhancing Survey Data Quality with Mouse Tracking and Random Forests for Ordinal Cognitive Assessments**
Lisa Bondo Andersen

02:20 PM - 02:40 PM **How to design self-generated personal identifiers in surveys? Quality criteria and empirical insights**
Florian Berens

Section 44 Meta-Analysis I

Thursday, 27
01:20 PM
UL6
1072

Time: 01:20 PM - 02:40 PM, Room: UL6, 1072
Chair(s): Oliver Kuß

01:20 PM - 01:40 PM **Non-Ignorable missing data under heterogeneity in a meta-analysis with binary outcomes**
Flavia Remo

01:40 PM - 02:00 PM **Meta-analytic-predictive priors based on a single study**
Christian Röver

02:00 PM - 02:20 PM **Meta-analysis models relaxing the random effects normality assumption: a systematic review and simulation study**
Kanella Panagiotopoulou

02:20 PM - 02:40 PM **Potentials and Limitations for a Meta-analytic Approach for Benchmark Dose Estimation.**
Heba A. Basha

Section 21 NN & Active Learning

Thursday, 27
01:20 PM
UL6
2002

Time: 01:20 PM - 02:40 PM, Room: UL6, 2002
Chair(s): Cornelia Gruber

01:20 PM - 01:40 PM **Integrating Neural Networks with Mixed Effects Models to Enhance Predictions of Cognitive Decline in Alzheimer's Disease**
Jordan Behrendt

01:40 PM - 02:00 PM **Using transformer weighting scheme to find interactions across time in short longitudinal datasets**
Kiana Farhadyar

02:00 PM - 02:20 PM **Reciprocal Learning**
Julian Rodemann

02:20 PM - 02:40 PM **Query-by-committee active learning in regression scenarios: examples and limitations**
Bernhard Spangl

IBS-DR Young Talent Award

Thursday, 27
01:20 PM
UL6
2091

Time: 01:20 PM - 02:40 PM, Room: UL6, 2091
Chair(s): Anne-Laure Boulesteix

01:20 PM - 01:40 PM **A Survival Tree Based on the Copula-Graphic Estimator**
Pauline Baur

01:40 PM - 02:00 PM **Resampling-based Inference for Restricted Mean Survival Times**
David Jesse

02:00 PM - 02:20 PM **A discrete time-to-event model for the meta-analysis of full ROC curves**
Ferdinand Valentin Stoye

02:20 PM - 02:40 PM **Asymptotic properties of resampling-based processes for the average treatment effect in observational studies with competing risks**
Jasmin Rühl

Section 41 Advanced Regression Modelling 3

Thursday, 27
01:20 PM
UL6
2094

Time: 01:20 PM - 02:40 PM, Room: UL6, 2094
Chair(s): Tobias Hepp

01:20 PM - 01:40 PM **Extended-Support Beta Regression for [0, 1] Responses**
Achim Zeileis

01:40 PM - 02:00 PM **Prediction Error for Quantile Regression**
Alexander Ritz

02:00 PM - 02:20 PM **Distributional Instrumental Variables**
Anastasiia Holovchak

02:20 PM - 02:40 PM **Modelling longitudinal and time-to-event data: a phase IV simulation study comparing joint models with two-stage approach and time-varying Cox regression**
Jil Kollmus-Heege

Section 61 Statistical Approaches to Extreme Events and Climate Variability

Thursday, 27
01:20 PM
UL6
2097

Time: 01:20 PM - 02:40 PM, Room: UL6, 2097
Chair(s): Axel Bücher

01:20 PM - 02:00 PM **Statistical modelling of records in a changing climate**
Philippe Naveau

02:00 PM - 02:20 PM **Statistical Modeling of Clustering and Seasonality in Return Times of Mid-latitude Cyclones**
Merle Mendel

02:20 PM - 02:40 PM **Modeling waiting times of clustered extreme events with application to environmental data**
Christina Mathieu

Section 14 Epidemiological Modeling I

Thursday, 27
01:20 PM
UL6
3038

Time: 01:20 PM - 02:40 PM, Room: UL6, 3038
Chair(s): Irene Schmidtmann, Sigrid Behr

01:20 PM - 02:00 PM **Causal discovery: Data-driven witchcraft or a useful tool for constructing causal models for epidemiology?**
Anne Helby Petersen

02:00 PM - 02:20 PM **Dynamic predictions from longitudinal CD4 count measures and time to death of HIV/AIDS patients using a Bayesian joint model**
Feysal Kemal Muhammed

02:20 PM - 02:40 PM **A Calibration-Based Weighting Approach to Improve Representativeness in Observational Studies**
Ronan Le Gleut

Section 13 Enhancing Toxicological Predictions: Historical Control Data, Inference and Machine Learning

Thursday, 27
01:20 PM
UL6
3075

Time: 01:20 PM - 02:40 PM, Room: UL6, 3075
Chair(s): Bernd-Wolfgang Igl, Lea Vaas

01:20 PM - 01:40 PM **How to include historical control data in multiple comparison procedures**
Max Menssen

01:40 PM - 02:00 PM **Simultaneous Inference for Multiple Comparisons in Overdispersed Multinomial Data**
Sören Budig

02:00 PM - 02:20 PM **Prediction intervals for the in-vitro micronucleus test**
Jonathan Rathjens

02:20 PM - 02:40 PM **Machine Learning Methods in Toxicology - A Review**
Franziska Kappenberg

Thursday, March 27, 03:00 PM - 04:00 PM

Section 51 Official Statistics

Thursday, 27
03:00 PM
UL6
1070

Time: 03:00 PM - 04:00 PM, Room: UL6, 1070
Chair(s): Ralf Münnich

03:00 PM - 03:40 PM **Controlling selection bias in non-probability samples using small area estimation: an application to official statistics**
Monica Pratesi

03:40 PM - 04:00 PM **Developments in the Estimation of Voter Transitions: Examining Shifts to the Political Right**
Jan Anders

Section 14 Epidemiological Modeling II

Thursday, 27
03:00 PM
UL6
3038

Time: 03:00 PM - 04:00 PM, Room: UL6, 3038
Chair(s): Anne Lotz, Thomas Asendorf

03:00 PM - 03:20 PM **Application of a meta-analytic approach in nutrition epidemiology**
Christian Ritz

03:20 PM - 03:40 PM **Exploring the effects of dichotomisation in survival analysis and suggestion of a distributional approach**
Odile Sauzet

03:40 PM - 04:00 PM **Modelling global pediatric growth curves based on heterogenous individual-level data**
Timm Intemann

Thursday, March 27, 03:00 PM - 04:20 PM

Section 32 Empirical Economics and Applied Econometrics 2

Thursday, 27
03:00 PM
DOR24
1.101

Time: 03:00 PM - 04:20 PM, Room: DOR24, 1.101
Chair(s): Carsten Jentsch

03:00 PM - 03:20 PM **Testing truncation dependence and goodness-of fit for double-truncated durations**
Anne-Marie Toparkus

03:20 PM - 03:40 PM **Consumption effects of subsidies in low-income households: Evidence from bivariate copula-based quantiles**
Simone Maxand

03:40 PM - 04:00 PM **Counterfactual Density Effects with an Application to the German East-West Income Gap**
Georg Keilbar

04:00 PM - 04:20 PM **(Debiased) Inference for Fixed Effects Estimators with Three-Dimensional Panel Data**
Daniel Czarnowske

Section 12 Basket Trials and Bayesian Borrowing

Thursday, 27
03:00 PM
DOR24
Fritz Reuter

Time: 03:00 PM - 04:20 PM, Room: DOR24, Fritz Reuter
Chair(s): Christian Röver

03:00 PM - 03:20 PM **Increased efficiency of frequentist basket trials through adaptive clustering methods**
Michaela Maria Freitag

03:20 PM - 03:40 PM **Systematic Comparison of Bayesian Basket Trial Designs with Unequal Sample Sizes and Proposal of a New Method Based on Power Priors**
Sabrina Schmitt

03:40 PM - 04:00 PM **Utility-based optimization of basket trials**
Lukas D Sauer

04:00 PM - 04:20 PM **Information borrowing in Bayesian clinical trials: choice of tuning parameters for the robust mixture prior**
Vivienn Weru

Section 44 Meta-Analysis II

Thursday, 27
03:00 PM
UL6
1072

Time: 03:00 PM - 04:20 PM, Room: UL6, 1072
Chair(s): Tim Friede

03:00 PM - 03:40 PM **Investigating selective reporting in meta-analyses of dependent effect sizes: Some elaborations of the step-function selection model**
James Pustejovsky

03:40 PM - 04:00 PM **Evaluating Relative Effects in Stratified Hierarchical Binomial Models for Meta-Analysis**
Renato Panaro

04:00 PM - 04:20 PM **Meta-analysis with binary outcomes as (generalized) multinomial models**
Ferdinand Valentin Stoye

Section 21 Datasets & Sampling Strategies

Thursday, 27
03:00 PM
UL6
2002

Time: 03:00 PM - 04:20 PM, Room: UL6, 2002
Chair(s): Ursula Laa

03:00 PM - 03:20 PM **An Empirical Comparison of Methods for Quantifying Similarity of Datasets**
Marieke Stolte

03:20 PM - 03:40 PM **Generalized Tree-Based Machine Learning Methods with Applications to Small Area Estimation**
Nicolas Frink

03:40 PM - 04:00 PM **Optimal bounds for l_p sensitivity sampling via l_2 augmentation**
Simon Omlor

04:00 PM - 04:20 PM **Smooth density decomposition, an alternative to copulas**
Paul Eilers

Section 91 Young Statisticians Panel Discussion: Worst Practices in Research and How to Avoid Them

Thursday, 27
03:00 PM
UL6
2091

Time: 03:00 PM - 04:20 PM, Room: UL6, 2091
Chair(s): Lukas Burk, Ina Dormuth

Section 41 Advanced Regression Modelling 4

Thursday, 27
03:00 PM
UL6
2094

Time: 03:00 PM - 04:20 PM, Room: UL6, 2094
Chair(s): Elisabeth Bergherr

03:00 PM - 03:20 PM **The Linearity Assumption: Unraveling its Impact on Prediction Accuracy in Multivariable Models**
Willi Sauerbrei

03:20 PM - 03:40 PM **Balanced boosting for GAMLSS using adaptive step lengths with an application to antenatal care visits data in West African countries**
Alexandra Daub

03:40 PM - 04:00 PM **Robust estimation of distributional neural additive models for location, scale and shape**
Tobias Weckop

04:00 PM - 04:20 PM **Likelihood Ratio Tests for Variable Selection in High-Dimensional Logistic Regression with Factors**
Lea Kaufmann

Section 54 Statistics in Social, Behavorial and Educational Sciences II

Thursday, 27
03:00 PM
UL6
2097

Time: 03:00 PM - 04:20 PM, Room: UL6, 2097
Chair(s): Karin Binder

03:00 PM - 03:20 PM **Paradoxes of Interrater Reliability Measures for Unbalanced Ordinal Data**
Maximilian Mönch

03:20 PM - 03:40 PM **Psychometric Properties of Interval Responses**
Matthias Kloft

03:40 PM - 04:00 PM **Extracting informative cues from cursor movements**
Maria Osipenko

04:00 PM - 04:20 PM **Impact of Tail Behavior in Marginal Distributions and Dependency Structures on A Probability INEQUALITY in the Stop-Signal Task**
Paria Jahansa

Section 13 Questionable practices, risks and other critical aspects affecting pre-clinical results

Thursday, 27
03:00 PM
UL6
3075

Time: 03:00 PM - 04:20 PM, Room: UL6, 3075
Chair(s): Lea Vaas, Bernd-Wolfgang Igl

03:00 PM - 03:40 PM **Are questionable research practices ever OK?**
Leonhard Held

03:40 PM - 04:00 PM **Issues in the proof of safety in the risk assessment**
Ludwig Hothorn

04:00 PM - 04:20 PM **Science Snippets: Elevating Statistical Literacy in Preclinical Research**
Tina Lang

Thursday, March 27, 04:40 PM - 05:40 PM

Celebrating 20 Years of DAGStat

Thursday, 27
04:40 PM
UL6
2091

Time: 04:40 PM - 05:40 PM, Room: UL6, 2091
Chair(s): Katja Ickstadt

Thursday, March 27, 04:40 PM - 06:00 PM

Section 12 Early Phase and Animal Studies

Thursday, 27
04:40 PM
DOR24
Fritz Reuter

Time: 04:40 PM - 06:00 PM, Room: DOR24, Fritz Reuter
Chair(s): Bernd-Wolfgang Igl

04:40 PM - 05:00 PM **Design of animal experiments based on bias quantification**
Dario Zocholl

05:00 PM - 05:20 PM **Optimal design for identifying sets of effective concentrations in drug combination studies**
Leonie Schürmeyer

05:20 PM - 05:40 PM **Optimal designs for identifying alert concentrations**
Kirsten Schorning

05:40 PM - 06:00 PM **Optimal Doses and Measurement Times for a Compartment-Emax Model**
Ludger Sandig

Section 51 Survey Statistics

Thursday, 27
04:40 PM
UL6
1070

Time: 04:40 PM - 06:00 PM, Room: UL6, 1070
Chair(s): Ralf Münnich

04:40 PM - 05:00 PM **The efficient evaluation of anonymised georeferenced data**
Lorena Gril

05:00 PM - 05:20 PM **Analytic sensitivity analysis for multipurpose allocation**
Felix Willems

05:20 PM - 05:40 PM **Why sums sum it up for official statistics**
Thomas Hotz

05:40 PM - 06:00 PM **Machine Learning in Official Statistics: Questions on Methodology, Quality, Law and Ethics**
Florian Dumpert

Section 44 Network Meta-Analysis

Thursday, 27
04:40 PM
UL6
1072

Time: 04:40 PM - 06:00 PM, Room: UL6, 1072
Chair(s): Heinz Holling

04:40 PM - 05:00 PM **Transitivity in Network Meta-Analysis: A Formal Framework and Practical Implications**
Noosheen Rajabzadehtahmasebi

05:00 PM - 05:20 PM **Illuminating the Assumptions of Meta-Regression in Treatment Networks**
Nana-adjoa Kwarteng

05:20 PM - 05:40 PM **Producing treatment hierarchies in network meta-analysis using probabilistic models and treatment choice criteria**
Theodoros Evrenoglou

05:40 PM - 06:00 PM **Network meta-analysis with dose-response relationships**
Maria Petropoulou

Section 26 On Explainability and the Importance of Data Sharing

Thursday, 27
04:40 PM
UL6
2002

Time: 04:40 PM - 06:00 PM, Room: UL6, 2002
Chair(s): Ludwig Bothmann

04:40 PM - 05:00 PM **From Sensitivity to Explainability: Visualizing Shapley- and Sobol-Based Indices**
Sonja Kuhnt

05:00 PM - 05:20 PM **SHAP: an Unexplained Explainer**
Ulrich Müller-Funk

05:20 PM - 05:40 PM **Clinical prediction modeling of postoperative delirium: from GLMs to Machine Learning**
Izdar Abulizi

05:40 PM - 06:00 PM **A Case Study on Colposcopy-Based Cervical Cancer Staging Reveals an Alarming Lack of Data Sharing Hindering the Adoption of Machine Learning in Clinical Practice**
Maxi Schulz

Movie + Discussion: Emil Gumbel: The prediction of extreme events

Thursday, 27
04:40 PM
UL6
2094

Time: 04:40 PM - 06:00 PM, Room: UL6, 2094

Section 14 Healthcare Quality and Decision-Making

Thursday, 27
04:40 PM
UL6
3038

Time: 04:40 PM - 06:00 PM, Room: UL6, 3038
Chair(s): Odile Sauzet, Irene Schmidtmann

04:40 PM - 05:00 PM **A Bayesian framework for a hospital quality index to support patient decision-making**
Lisa Steyer

05:00 PM - 05:20 PM **Using Ulm's approach to determine minimum provider volumes**
Paul Bach

05:20 PM - 05:40 PM **The standardized mortality odds ratio (SMOR) as a risk adjusted measure of clinical outcome quality**
Felix Weidemann

05:40 PM - 06:00 PM **Lung cancer mortality attributable to residential radon in Germany**
Felix Heinzl

Section 55 Structural Equation Modelling and Latent Variables I

Thursday, 27
04:40 PM
UL6
3075

Time: 04:40 PM - 06:00 PM, Room: UL6, 3075
Chair(s): Tobias Koch

04:40 PM - 05:00 PM **Model Selection, Diagnostics, and Motivation for Nonlinear Structural Equation Models via Non-Parametric Regression among Factor Scores**
Julien P. Irmer

05:00 PM - 05:20 PM **The Measured Latent Method Construct Approach to Control for Common Method Variance**
Tamara Schamberger

05:20 PM - 06:00 PM **Focus! SEM Trees and Forests for Identifying Moderators in Structural Equation Models**
Andreas M. Brandmaier

Thursday, March 27, 05:40 PM - 06:00 PM

DAGStat Medal Awards

Thursday, 27
05:40 PM
UL6
2091

Time: 05:40 PM - 06:00 PM, Room: UL6, 2091

Friday, March 28

Friday, March 28, 08:00 AM - 08:45 AM

Free Morning Tutorial - Confronting Data Quality: The Challenge We Love to Ignore

Friday, 28
08:00 AM
UL6
1072

Time: 08:00 AM - 08:45 AM, Room: UL6, 1072
Instructor(s): Carsten Oliver Schmidt

Friday, March 28, 09:00 AM - 10:20 AM

Innovations in Statistical Modeling and Approximation Techniques

Friday, 28
09:00 AM
UL6
1070

Time: 09:00 AM - 10:20 AM, Room: UL6, 1070
Chair(s): Stephen Schüürhuis

09:00 AM - 09:20 AM **Sequential Gaussian Processes for Online Learning of Nonstationary Functions**
Michael Minyi Zhang

09:20 AM - 09:40 AM **Variational inference for hierarchical models with conditional scale and skewness corrections**
Lucas Kock

09:40 AM - 10:00 AM **Teachable normal approximations to binomial probabilities or confidence bounds**
Lutz Mattner

10:00 AM - 10:20 AM **Statistical Tests for Functional Data: A Comparative Analysis with Simulated and Accelerometer Data**
Nicolas Volz

Section 27 Visual and Data-Driven Approaches to Market and Political Segmentation

Friday, 28
09:00 AM
UL6
2097

Time: 09:00 AM - 10:20 AM, Room: UL6, 2097
Chair(s): Adalbert Wilhelm

09:00 AM - 09:40 AM **Visually exploring high-dimensional market segmentation data**
Dianne Cook

09:40 AM - 10:00 AM **Interactively Visualizing Multivariate Market Segmentation Using the R Package Lionfish**
Ursula Laa

10:00 AM - 10:20 AM **Silent Partys: A Cluster Analysis of Voting Behavior in the European Parliament**
John F. Brüne

Section 14 Genomics and Risk Assessment

Friday, 28
09:00 AM
UL6
3038

Time: 09:00 AM - 10:20 AM, Room: UL6, 3038
Chair(s): Sigrid Behr

09:00 AM - 09:20 AM **The Prediction of Blood Pressure and Hypertension: Comparison of Statistical and Machine Learning Approaches**
Tim Grabo

09:20 AM - 09:40 AM **raRoB-vet: Development of a web app for the rapid assessment of Risk of Bias in epidemiological studies on animal populations.**
Anselm Hornbacher

09:40 AM - 10:00 AM **Mixed models for analyzing trait trajectories in Genome-Wide Association Studies**
Helmut Küchenhoff

10:00 AM - 10:20 AM **Development of Multi-omics Risk Scores for Alzheimer's Disease**
Timur Tug

Friday, March 28, 09:00 AM - 10:40 AM

Section 64 Innovations in Statistical Software and Methodology

Friday, 28
09:00 AM
DOR24
1.101

Time: 09:00 AM - 10:40 AM, Room: DOR24, 1.101
Chair(s): Lukas Mödl

09:00 AM - 09:20 AM **Good Software Engineering Practice for R Packages**
Audrey Yeo

09:20 AM - 09:40 AM **dosedesignR: a shiny app for designing and analysis Dose Finding Trials**
Katrin Walkamp

09:40 AM - 10:00 AM **Tests of independence based on correlations**
Robert Schlicht

10:00 AM - 10:20 AM **Simplified Customizable Computerized Adaptive Testing with Python - The adaptivetesting Package**
Jonas Engicht

10:20 AM - 10:40 AM **Teaching statistical thinking without coding**
Volker Kraft

Section 12 Adaptive Designs II

Friday, 28
09:00 AM
DOR24
Fritz Reuter

Time: 09:00 AM - 10:40 AM, Room: DOR24, Fritz Reuter
Chair(s): Thomas Jaki

09:00 AM - 09:20 AM **Theory and application of optimal adaptive designs**
Werner Brannath

09:20 AM - 09:40 AM **Pick the winner technique for the win ratio in adaptive design trials**
Yujun Xu

09:40 AM - 10:00 AM **Maximising Power of the Brunner-Munzel Test through Response-Adaptive Randomisation**
Lukas Pin

10:00 AM - 10:20 AM **A studentized permutation test in group sequential designs**
Long-Hao Xu

10:20 AM - 10:40 AM **Sample size re-estimation for McNemar's test in a prospective randomized clinical trial on childhood glaucoma**
Markus Schepers

Section 92 STRATOS initiative - progress with guidance in three topics in observational research

Friday, 28
09:00 AM
UL6
1072

Time: 09:00 AM - 10:40 AM, Room: UL6, 1072
Chair(s): Willi Sauerbrei

09:00 AM - 09:20 AM **STRATOS initiative - progress with guidance in three topics in observational research**
Willi Sauerbrei

09:20 AM - 09:40 AM **Accessible structured Initial Data Analysis and Data Quality Assessments**
Carsten Oliver Schmidt

09:40 AM - 10:00 AM **A categorization of performance measures for estimated non-linear associations between an outcome and continuous predictors**
Georg Heinze

10:00 AM - 10:20 AM **Analyzing Patient Reported Outcome Measures (PROMs) in oncology trials**
Els Goetghebeur

Section 16 Causal Inference and Multi-State Models in Complex Disease Processes

Friday, 28
09:00 AM
UL6
2091

Time: 09:00 AM - 10:40 AM, Room: UL6, 2091
Chair(s): Jasmin Rühl

09:00 AM - 09:20 AM **Specification of estimands for complex disease processes using multistate models and utility functions**
Alexandra Bühler

09:20 AM - 09:40 AM **How to estimate treatment effects if transplant is available at random time**
Ulrich Mansmann

09:40 AM - 10:00 AM **Methodological aspects of the emulated target trial approach to optimize treatment strategies for a rare pediatric disease in the presence of competing events and time-varying covariates**
Derek Hazard

10:00 AM - 10:20 AM **Inference for Competing Risks based on Area between Curves Statistics**
Simon Mack

10:20 AM - 10:40 AM **An Analysis of Causal Inference Methods for Competing Risks**
Daniel Klippert

Section 41 Advanced Regression Modelling 5

Friday, 28
09:00 AM
UL6
2094

Time: 09:00 AM - 10:40 AM, Room: UL6, 2094
Chair(s): Andreas Mayr

09:00 AM - 09:20 AM **Flexible models for simple longitudinal data**
Helen Ogden

09:20 AM - 09:40 AM **Boosting for Mixed Distributional Regression**
Colin Griesbach

09:40 AM - 10:00 AM **Joint models for rare events**
Sophie Potts

10:00 AM - 10:20 AM **Regularization in generalized linear and additive mixed models**
Jacob Grytzka

10:20 AM - 10:40 AM **Flexible tree-structured regression for clustered data with an application to quality of life in older adults**
Nikolai Spuck

Section 55 Structural Equation Modelling and Latent Variables II

Friday, 28
09:00 AM
UL6
3075

Time: 09:00 AM - 10:40 AM, Room: UL6, 3075
Chair(s): Tobias Koch

09:00 AM - 09:20 AM **Machine-Learning and Mixture Distribution Approaches Accounting for Response Process Heterogeneity with IRTree models**
Ömer Emre Can Alagöz

09:20 AM - 09:40 AM **Forecasting regime-switches in intensive longitudinal data**
Kento Okuyama

09:40 AM - 10:00 AM **Model fit evaluation in Dynamic Structural Equation Models**
Holger Brandt

10:00 AM - 10:20 AM **Estimating Context Effects in Small Samples while Controlling for Covariates: An Optimally Regularized Bayesian Estimator for Multilevel Latent Variable Models**
Valerii Dashuk

10:20 AM - 10:40 AM **Vine copula based structural equation models**
Claudia Czado

Friday, March 28, 11:10 AM - 12:20 PM

Keynote: A Heavily Right Strategy for Integrating Dependent Studies in Any Dimension

Friday, 28
11:10 AM
UL6
3038

Time: 11:10 AM - 12:20 PM, Room: UL6, 3038
Chair(s): Göran Kauermann

11:10 AM - 12:20 PM **A Heavily Right Strategy for Integrating Dependent Studies in Any Dimension**
Xiao-Li Meng

DOR24, Fritz Reuter **Keynote and Closing Broadcast**

UL6, 2091 **Keynote and Closing Broadcast**

UL6, 2094 **Keynote and Closing Broadcast**

UL6, 2097 **Keynote and Closing Broadcast**

UL6, 3075 **Keynote and Closing Broadcast**

Friday, March 28, 12:20 PM - 12:50 PM

Closing

Friday, 28
12:20 PM
UL6
3038

Time: 12:20 PM - 12:50 PM, Room: UL6, 3038
Chair(s): Sonja Greven, Frank Konietschke

DOR24, Fritz Reuter **Keynote and Closing Broadcast**

UL6, 2091 **Keynote and Closing Broadcast**

UL6, 2094 **Keynote and Closing Broadcast**

UL6, 2097 **Keynote and Closing Broadcast**

UL6, 3075 **Keynote and Closing Broadcast**

Poster Sessions and Guidelines for Presentation

There will be two Posters, Tea & Coffee sessions after lunch on Tuesday and Wednesday. Posters will be displayed on the first floor of the Main building in the Senatssaal.

- Poster Session I, Time: Tue, Mar 25, 01:20 PM - 01:50 PM, Room: UL6, Senatssaal and
- Poster Session II, Time: Wed, Mar 26, 01:30 PM - 02:00 PM, Room: UL6, Senatssaal.

During your Posters, Tea & Coffee session, you are kindly requested to stand next to your poster and be available for questions. Posters will be available throughout the conference.

Prizes will be awarded for the three best posters. During the lunch breaks on Tuesday and Wednesday, the jury will visit the posters and ask questions.

The prizes will be awarded during the closing session on Friday (12:20 - 12:50 PM).

Guideline for Poster Presentation

Posters will be displayed on the first floor of the Main building in the Senatssaal. Please put up your poster on Tuesday before the lunch break and leave it up until Thursday. There will be an A4 sheet on the poster board with your poster ID (from the email), the submitter's name, and your poster title. Pins for attaching your poster will be provided at the entrance of the Senatssaal. Please remove your poster from the poster boards by Thursday evening and collect your pins. The conference organizers are not responsible for posters not collected by the end of the conference. During your Posters, Tea & Coffee session, you are kindly requested to stand next to your poster and be available for questions.

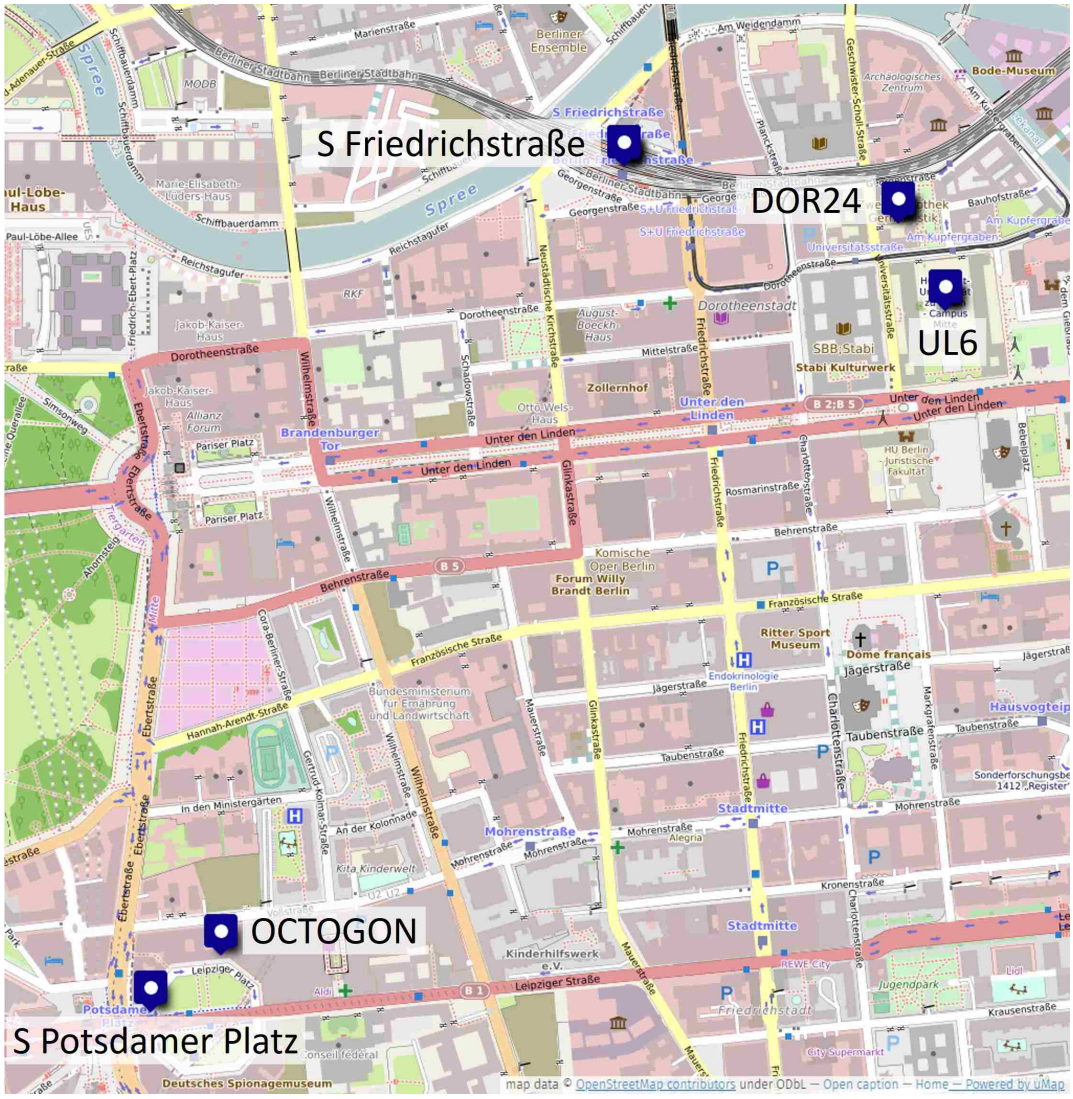
Evening program and networking events

Welcome reception

Please note that due to limited capacity, prior registration via the conference registration is required for this event.

Time: Tuesday, March 25, 2025, 7:00 PM - 9:00 PM
Location: OCTOGON by Dr. Thompson´s, Leipziger Platz 14, 10117 Berlin

The Welcome Reception will include a scientific talk - accompanying the Gumbel exhibition - by Prof. Dr. Annette Vogt, Max Planck Institute for the History of Science (MPIWG) and Humboldt-Universität zu Berlin, on: Emil J. Gumbel - Statistician, political author, and political activist.



Based on map data © OpenStreetMap contributors, modified under ODbL (openstreetmap.org).

Turn-by-turn directions:

- Starting from the university building on Hegelplatz (**DOR24**):
  - Exit the building through the main exit and turn right onto Dorotheenstraße.
- Starting from the main building of HU Berlin (**UL6**):
  - Exit the building through the rear exit toward Dorotheenstraße.
  - Turn left onto Dorotheenstraße.
- Continue on Dorotheenstraße for 300 meters, crossing Universitätsstraße and Planckstraße/Charlottenstraße.
- Turn right onto Friedrichstraße.
- Continue 100 meters on Friedrichstraße until you reach the train station **Bahnhof Friedrichstraße**.
- Take a city train (S-Bahn) to S+U Potsdamer Platz.
  Any of the following lines will work: S1 Wannsee, S2 Blankenfelde, S25 Teltow Stadt, S26 Teltow Stadt.
- Travel 2 stops to **S+U Potsdamer Platz**.
- Take the exit **Leipziger Platz** and turn left.
- Continue 100 meters to Leipziger Platz 14, where you will find **OCTOGON**.

Junior Meets Senior

Time: Wednesday, 07:00 PM - 9:00 PM
Location: UL6, Senatssaal

Students and postdoctoral researchers are asked to register for this event. For senior attendees, the event is by invitation only.

Join us for an enjoyable and interactive evening at *Junior Meets Senior*, where doctoral students and early-career statisticians can connect with experienced researchers, invited speakers, and senior colleagues from academia and industry. This is a fantastic opportunity to expand your professional network in a relaxed setting. The evening will feature a lively quiz with both trivia and statistics related questions, where participants will compete in teams, helped along with delicious food and drinks. Don't miss this chance to build connections and have fun!

Conference Dinner

Please note that due to limited capacity, prior registration via the conference registration is required for this event.

Time: Thursday, March 27, 2025, from 7:30 PM
Location: Eventlocation Wasserwerk Hohenzollerndamm 208a, 10717 Berlin

Based on map data © OpenStreetMap contributors, modified under ODbL (openstreetmap.org).

Turn-by-turn directions:

- Starting from the university building on Hegelplatz (**DOR24**):
  - Exit the building through the main exit and turn right onto Dorotheenstraße.
- Starting from the main building of HU Berlin (**UL6**):
  - Exit the building through the rear exit toward Dorotheenstraße.
  - Turn left onto Dorotheenstraße.
- Continue on Dorotheenstraße for 300 meters, crossing Universitätsstraße and Planckstraße/Charlottenstraße.
- Turn right onto Friedrichstraße.
- Continue 100 meters on Friedrichstraße until you reach the train station **Bahnhof Friedrichstraße**.
- Take a city train (S-Bahn) to S+U Zoologischer Garten.
  Any of the following lines will work: S3 Spandau, S5 Westkreuz, S7 Potsdam Hbf, S9 Spandau.
- Travel 4 stops to **S+U Zoologischer Garten**.
- Follow the signs to the subway station.
- Take subway (U-Bahn) **U9 Rathaus Steglitz** to U Spichernstraße.
- Travel 2 stops to **U Spichernstraße**.
- Take **Exit D (Hohenzollerndamm)**.
- Head straight on Bundesallee toward Hohenzollerndamm.
- Continue on Bundesallee for 100 meters, crossing Pariser Straße.
- Turn right onto **Hohenzollerndamm** after crossing both traffic lights.
- After 30 meters, **Wasserwerk** will be on your left at Hohenzollerndamm 208a.

Student to Student City Tours

Please note that due to limited capacity, prior registration via the conference registration is required for this event.

Time: Tuesday, March 25, 2025, 06:45 PM - 07:45 PM or Thursday, March 27, 2025, 04:45 PM - 05:45 PM
Location: Bebelplatz (south of the main building, UL6)
Route: Google Maps

Join us for a tour around some of Berlin's historic sites near the conference venue. The tour spans centuries of history and includes fascinating landmarks like the Humboldt Forum, Museum Island, and the striking Red City Hall. We will start at Bebelplatz, just in front of the University's Faculty of Law, cover a distance of about 2.5 km, and finally finish at the vibrant Hackesche Höfe, where we can give you tips on further places to visit or fantastic restaurants nearby. Meet new people, learn exciting and fun facts about our city, and get closer to your daily goal of 10,000 steps - all in just about one hour.

Acknowledgement

Funded by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) – project number 554746237. We gratefully acknowledge the generous support from:

General Information A-Z

App and Personalized Program

A Progressive Web App called Converia App is available for accessing the conference program on mobile devices (see https://app.dagstat2025.info/)

Alternatively, the program can be accessed in any browser at https://hi.converia.de/frontend/index.php?page_id=2651.

For more information on both options, please see the section on the Conference App and Personalized Program.

Assistance

You can ask for assistance at the registration desk in the main foyer of UL6. Further student assistants wearing green DAGStat2025 t-shirts will be located throughout the buildings and in particular in each lecture hall. Members of the local organizing committee will wear name badges with red lanyards.

ATMs

Several ATMs are located near the university, see Google maps.

Badge

Upon registration at the registration desk you will receive your badge, which also encodes your booked additional events. You are kindly requested to wear your name badge during all events of the conference.

Bicycle rental

Berlin provides an overview of bike rental options in the capital at https://www.berlin.de/tourismus/infos/sharing/bikesharing/.

Coffee breaks

Coffee, tea, softdrinks and snacks during the coffee breaks are included in the registration fee and will be served in four locations marked in yellow on the building plans:

- UL6, 1st floor, in front of the Senatssaal
- UL6, 1st floor, Löwen Lounge (Lion's Lounge)
- UL6, 1st floor, open area in front of lecture hall 2094
- DOR24, 1st floor, open area in front of lecture hall 1.101

Cultural activities

Berlin is a vibrant city with numerous cafés and bars located in its historical center and around its various districts, such as Mitte and Kreuzberg. The city is also rich in cultural highlights, including iconic landmarks like the Brandenburg Gate, the Museum Island, and the Berlin Philharmonic.

We refer to www.berlin.de/en/tourism/ for tourism and general information about Berlin, and to www.berlin.de/en/culture/ for arts and cultural attractions in Berlin.

Emergency services and emergency numbers

Service	Telephone number	
Conference office (UL6, 2070A)	+49 30 2093-99590	
Security/Porter (UL6, Foyer near the registration desk)	030 2093-2416	
Police	110	Stay on the line and follow the emergency dispatcher's instructions. Do not hang up until advised to do so!
Fire brigade and emergency rescue service	112	
On-call medical service	116117	
Paediatric medical on-call service	116117	
Dental emergency service	030 89004-333	
Pharmacy emergency service		
Poison emergency call	030 19240	

Essential Questions for an Emergency Call

1. **Where is the emergency?**
   - Provide the exact address or location (street name, house number, landmarks).
   - If unsure, describe the surroundings as precisely as possible.
   - In remote areas, use GPS coordinates if available.
2. **What happened?**
   - Describe the type of emergency (e.g., accident, fire, medical issue, crime).
   - Mention any immediate dangers (e.g., smoke, fire, collapsed structures).
3. **Who is calling?**
   - Provide your full name.
   - Give a callback number in case further information is needed.
4. **How many people are affected?**
   - Indicate the number of injured or involved individuals.
   - Mention if there are unconscious persons, children, or elderly people.
5. **What type of injuries or dangers are present?**
   - Describe visible injuries (e.g., bleeding, unconsciousness, breathing difficulties).
   - Report any hazardous materials, fire, or ongoing threats.

Food and Drinks

Lunch is not included in the registration fee. If you booked Mensa vouchers for lunch, these will be handed out at the registration desk. They are valid for a small salad or soup, a main component and two side courses (or a complete main course), a dessert or fruit, as well as a non-alcoholic cold drink. The Mensa (cafeteria) is located on the ground floor of UL6 and marked in yellow on the building plan. Please note that there is further seating available downstairs. Alternatively, you can find many restaurants and cafés for lunch close to the conference venue.

The price of the Conference Dinner includes a three course menu (buffet style) and drinks. The Welcome reception and the Junior meets Senior events include finger food and drinks. Coffee and tea will be served at the two Poster sessions.

Language
The conference language is English; German exceptions such as the lecture Statistics for the Public are noted with German titles in the conference program.

Office
The conference office is located in the Room UL6, 2070A (HU Main Building, Unter den Linden 6). During the conference, you can also reach the conference office by phone at +49 30 2093 99590.

Parking
There is parking space available close to the university campus, see Google maps. Expect prices of about 4 EUR/hour.

Photography and Videography
Please be aware that some sessions may have restrictions on photography and videography. Always ask permission before taking photos of speakers or participants.

Public Transport
The conference venue is easily reachable by public transport. Close stops include

- Friedrichstraße (S1, S2, S3, S5, S7, S9, S25, S26; U6; as well as several regional trains)
- Unter den Linden (U5, U6)
- Am Kupfergraben (tram M1, 12)
- Staatsoper (buses 100, 300, N5)

You can plan your trip at https://www.bvg.de/en.

Many key attractions in Berlin, such as the Brandenburg Gate, Museum Island, and Gendarmenmarkt, are within walking distance of Humboldt University's main building at Unter den Linden 6. Alexanderplatz is about a 15-minute walk away.

For longer distances, Berlin's excellent public transport system offers convenient options and connects HU to central locations, including Friedrichstraße, Kreuzberg, and Potsdamer Platz. Whether on foot or by public transport, exploring Berlin from HU is easy and enjoyable.

Taxi
Telephone numbers for a taxi in Berlin:
Taxi Berlin: +49 30 202020
Funk Taxi Berlin: +49 30 261026
Taxi Funk Berlin: +49 30 443322

Tourist Information
Berlin has several tourist information centers to assist visitors with travel planning, tickets, and local recommendations. Below are the main locations:

Berlin Hauptbahnhof (Central Station)
Address: Europaplatz 1, 10557 Berlin
Services: Maps, public transport and attraction tickets, hotel bookings, and event recommendations. Multilingual staff available.
Opening Hours: Daily from 8:00 AM to 9:00 PM.

Brandenburg Gate Tourist Information Center
Address: Pariser Platz, 10117 Berlin (south gatehouse)
Services: Information on major attractions like the Reichstag and Holocaust Memorial.
Opening Hours: April–October: 9:30 AM to 7:00 PM, November–March: 9:30 AM to 6:00 PM

Alexanderplatz
Address: Park Inn Hotel Lobby, Alexanderplatz 7, 10178 Berlin
Services: Ideal for exploring Museum Island and the TV Tower.
Opening Hours: Daily from 10:00 AM to 6:00 PM.

Europa-Center (near Zoologischer Garten)
Address: Tauentzienstraße 9, 10789 Berlin
Services: Information on west Berlin highlights like Kurfürstendamm.
Opening Hours: Monday to Saturday, 10:00 AM to 8:00 PM.

Airport Tourist Offices
Location: Berlin Brandenburg Airport (BER).
Services: Assistance with transport information and hotel bookings.

Venue

The conference takes place at:

- HU main building, Unter den Linden 6, 10099 Berlin (UL6)
- Dorotheenstraße 24, 10117 Berlin (DOR24)

The two buildings are back-to-back. DOR24 has three houses. Most rooms are located in Haus 1, but the main entrance and the lift to the Fritz-Reuter-Saal are in Haus 2.

Please note that due to construction work, the north-eastern part of UL6 is inaccessible. Unfortunately, this means that the Lichthof (Ost) and lecture hall 2002 are only accessible via the court and the side entrance, and lecture hall 2002 is only accessible via the stairs.

Please see the building plans for details and follow the links:

Unter den Linden 6 (UL6)	Dorotheenstraße 24 (DOR24)
UL6, Lichthof/Foyer, 1070-1072, Level 1	DOR24, 1.101-1.103 (Haus 1), First floor
UL6, 2002-2097, Level 2	DOR24, 1.201-1.205 (Haus 1), Second floor
UL6, 3038-3075, Level 3	DOR24, 1.307-1.308 (Haus 1), Third floor
	DOR24, 1.401-1.406 (Haus 1), Fourth floor
	DOR24, 1.501-1.506 (Haus 1), Fifth floor
	DOR24, Fritz-Reuter (Haus 2), Third floor

Wheelchair access

Most conference locations are wheelchair accessible. Lifts are marked with blue boxes on the building plans. Unfortunately, due to construction work in UL6, lecture hall 2002 is currently inaccessible by lift. Please ask at the registration desk in case you need any assistance.

WiFi

HU Berlin is part of the `eduroam` network, which allows you to use your account of your home institution. If you do not have an eduroam account, you can use the `_Free_Wifi_Berlin`, which is freely accessible to everyone (unencrypted transmission).

The city of Berlin also supports the Freifunk initiative, which provides free public WiFi for everyone. With `Freifunk`, you can access the internet free of charge via Wi-Fi - without registration, password or restrictions (Interactive Freifunk Berlin map).

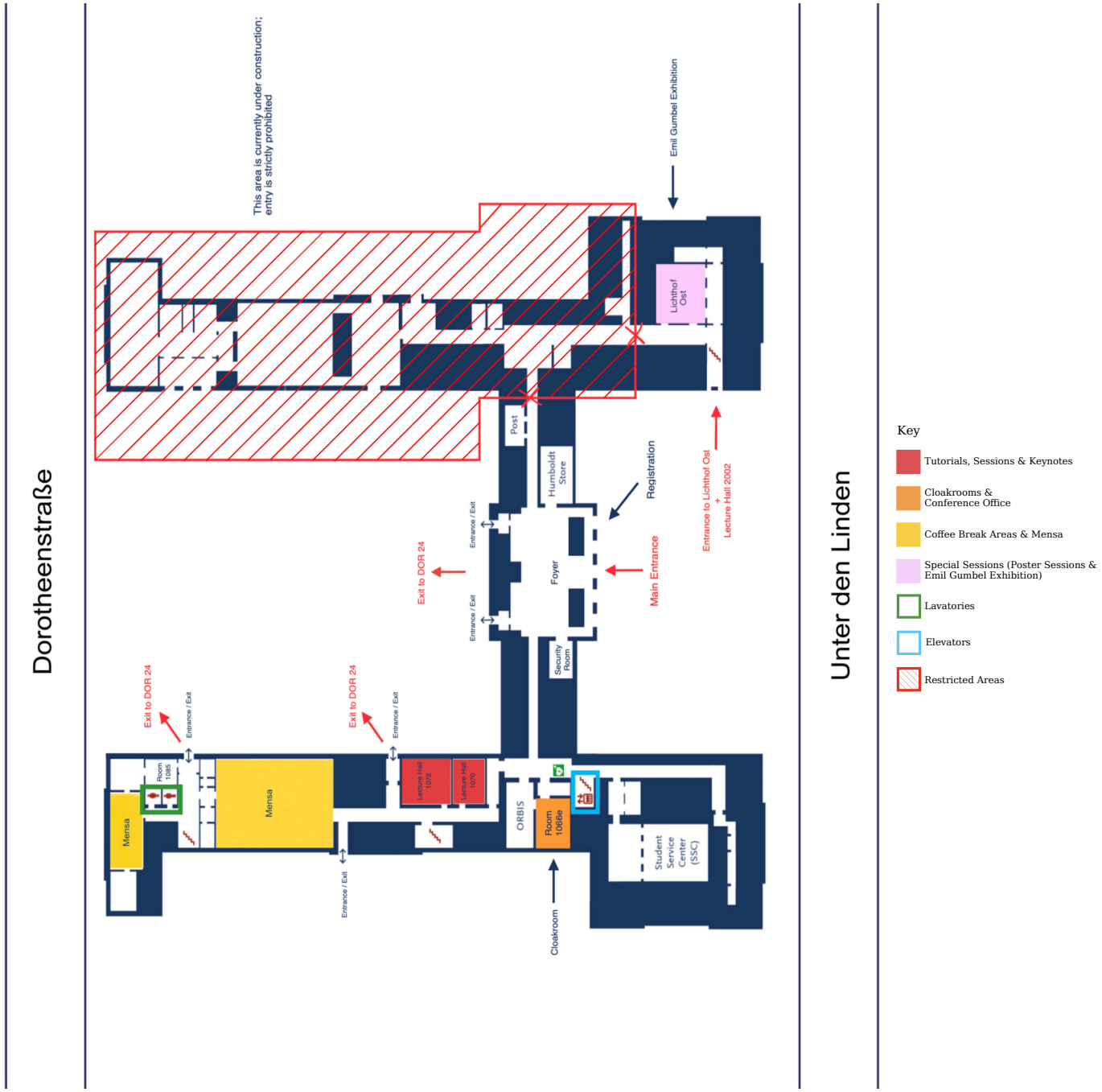
There are also many other ways to access public Wi-Fi. For example, Deutsche Bahn offers free Internet access at its railway stations, BVG operates Wi-Fi hotspots at most of its underground stations and this service is also available in many Protestant churches.

Maps of the Conference Venue

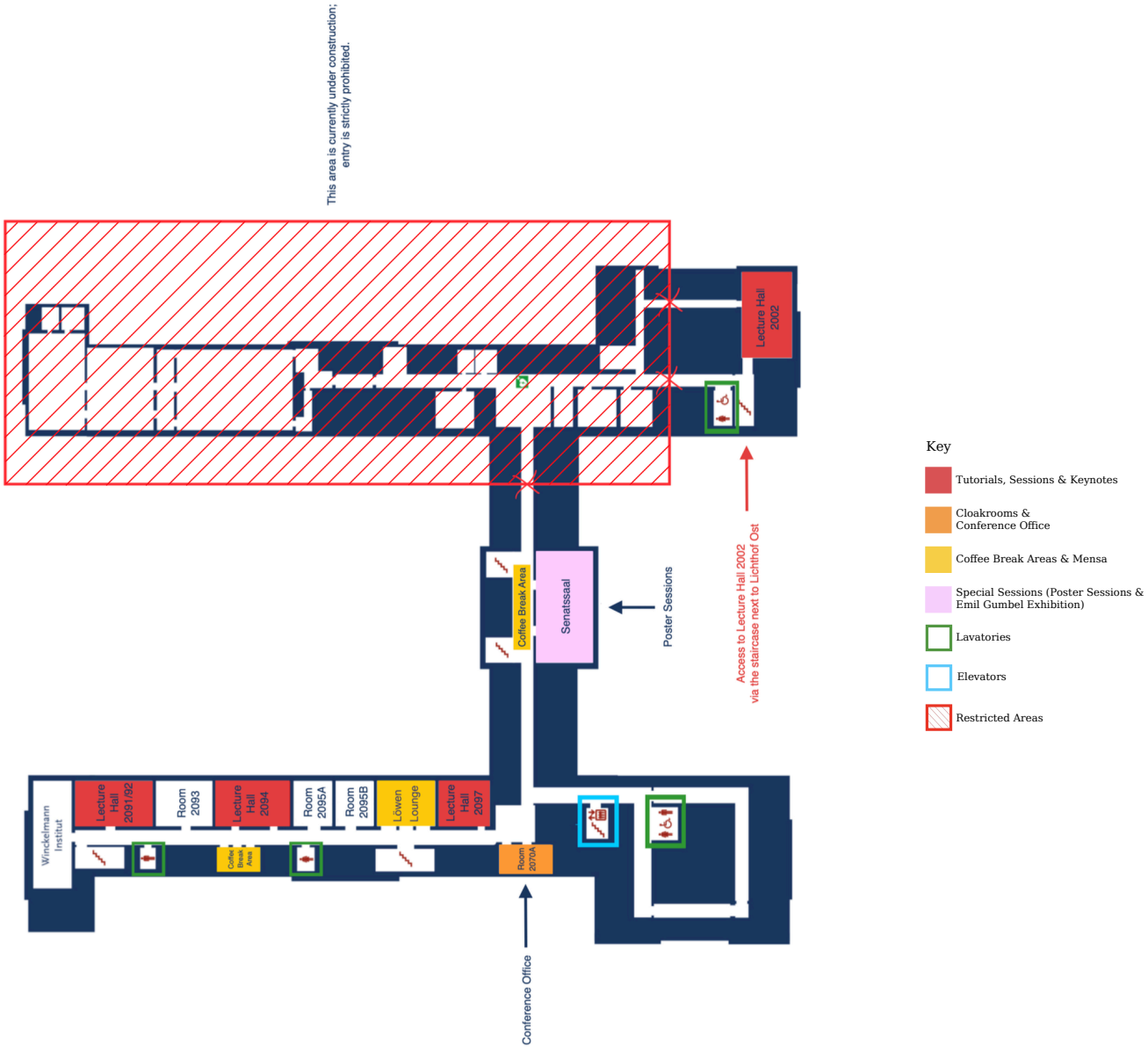
Based on map data © OpenStreetMap contributors, modified under ODbL.(openstreetmap.org).

Unter den Linden 6 (UL6)

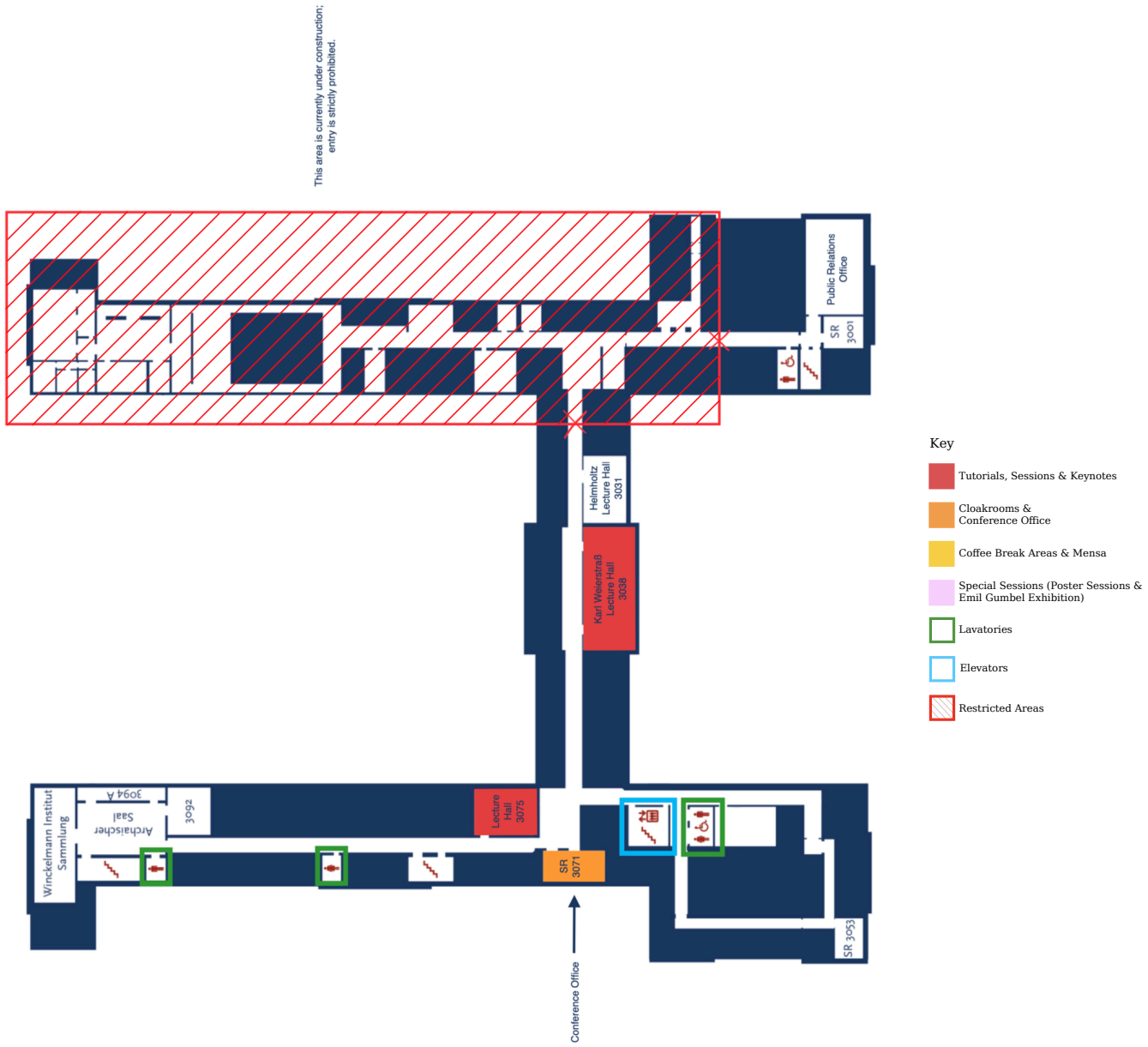
UL6, Level 1



UL6, Level 2

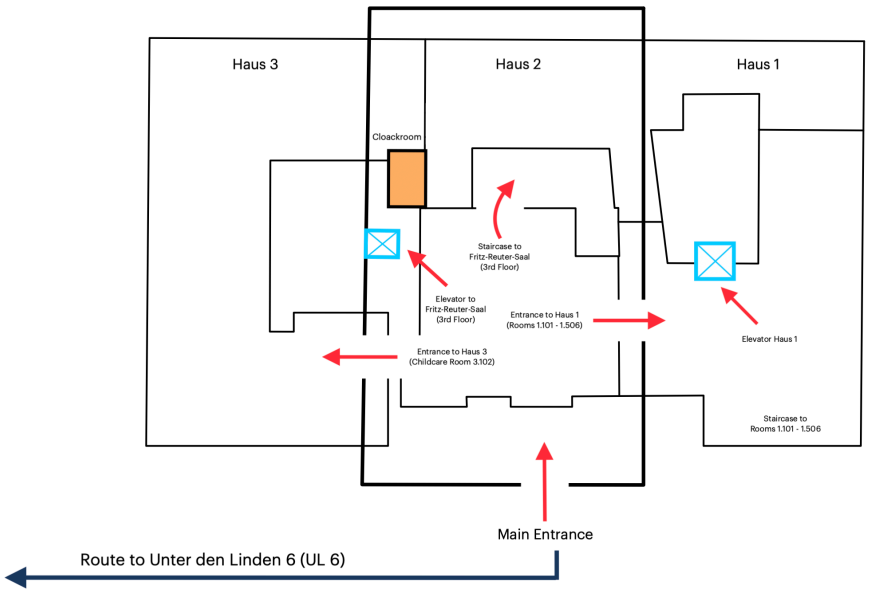

This area is currently under construction; entry is strictly prohibited.
Lecture Hall 2002
Access to Lecture Hall 2002 via the staircase next to Lichthof Ost
Coffee Break Area
Senatssaal
Poster Sessions
Winckelmann Institut
Lecture Hall 2091/92
Room 2093
Lecture Hall 2094
Room 2095A
Room 2095B
Löwen Lounge
Lecture Hall 2097
Coffee Break Area
Room 2070A
Conference Office
Key
Tutorials, Sessions & Keynotes
Cloakrooms & Conference Office
Coffee Break Areas & Mensa
Special Sessions (Poster Sessions & Emil Gumbel Exhibition)
Lavatories
Elevators
Restricted Areas

UL6, Level 3


This area is currently under construction; entry is strictly prohibited.
Public Relations Office
SR 3001
Helmholtz Lecture Hall 3031
Karl Weierstraß Lecture Hall 3038
Winckelmann Institut Sammlung
Archäischer Saal
3094 A
3092
Lecture Hall 3075
SR 3071
SR 3053
Conference Office
Key
Tutorials, Sessions & Keynotes
Cloakrooms & Conference Office
Coffee Break Areas & Mensa
Special Sessions (Poster Sessions & Emil Gumbel Exhibition)
Lavatories
Elevators
Restricted Areas

Dorotheenstrasse 24 (DOR24)

DOR24, Ground Floor (Haus 1-3)

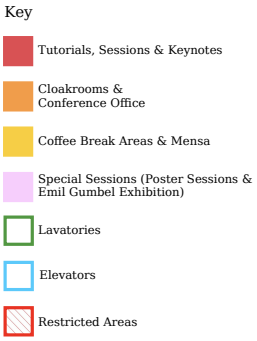


Key

- Tutorials, Sessions & Keynotes
- Cloakrooms & Conference Office
- Coffee Break Areas & Mensa
- Special Sessions (Poster Sessions & Emil Gumbel Exhibition)
- Lavatories
- Elevators
- Restricted Areas

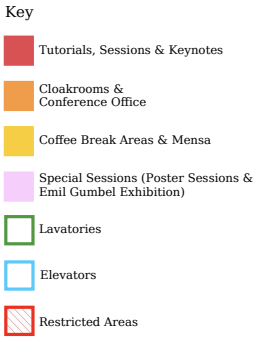
DOR24, First Floor (Haus 1)

DOR24, Second Floor (Haus 1)



DOR24, Third Floor (Haus 1)

DOR24, Fourth Floor (Haus 1)



DOR24, Fifth Floor (Haus 1)

Presenter Index

Instructor/Session Chair Index

INSTRUCTOR/SESSION CHAIR INDEX