

Autumn Workshop 2023 – Programme

Organized by working groups Epidemiologische Methoden (GMDS, DGEpi, DGSMP), Statistische Methoden in der Epidemiologie (IBS-DR, DGEpi, DGSMP), Statistische Methoden in der klinischen Forschung (GMDS), Statistische Methoden in der Medizin (IBS-DR) and Querschnittsinitiative Kausale Inferenz (DGEpi)

Thursday 09.11.2023

- 12.30 Gettogether
13:00 Opening
13:15 *Introduction* (Chair: Philipp Mildenerberger & Irene Schmidtman)
 Uwe Siebert: Introduction to Causal Inference
14:45 Break
15:00 *Invited Session* (Chair: Nicole Rübsamen)
 Noemi Kreif: What is the place of machine learning in causal inference?
16:00 Break
16:30 *Challenges in Causal Inference* (Chair: Stella Erdmann)
 Christine Bang: Improving causal discovery for cohort data
 Sophie Hanna Langbein, Marvin N. Wright: Interpretable Machine Learning for Survival Analysis
 Maria Geers, Vanessa Didelez: Estimating and interpreting causal effects under violation of positivity
18:00 End of session
19:30 Dinner at a „Weinstube“ in Mainz (at your own expenses)

Friday 10.11.2023

- 9:00 *AG Sitzung* (Hybrid mit Wahlen von 3 AGs)
9:30 *Invited Session* (Chair: Tim Mori)
 Nick Latimer: Using causal inference for the design and analysis of clinical trials and disease registries
10:30 Break
11:00 *Precision Medicine - Causal inference and evaluation of AI in neuroradiology protocols* (Chair: Kerstin Rubarth)
 Tim Mori, Julia Grismann, Reinhard W. Holl, Oliver Kuß: SGLT2-i or GLP-1-RA? Leveraging Real-World Evidence to Determine Optimal Individualized Treatment Decisions for Cardiovascular Protection
 Roman Paul, Ahmed E. Othman, Sebastian Altmann, Irene Schmidtman: Power and Sample Size Estimation for Comparing Diagnostic Methods with Imperfect Reference Standards
12:00 Break
12:30 Uwe Siebert, Nicholas Latimer, Noemi Kreif: Practical Steps of Implementing Causal Inference and Machine Learning
13:30 End

Venue:

Institut für Medizinische Biometrie, Epidemiologie und Informatik (IMBEI)
Universitätsmedizin Mainz
Rhabanusstraße 3, Turm A
55118 Mainz
Room 21.9 (Level 21)