

EuroCIM 2023 – April 18-21, Oslo, Norway

Program

Tuesday April 18

10:00—17:00 Course A: Causal inference for newcomers (L-200)

Rhian Daniel

10:00—17:00 Course B: Causal inference with competing events (Runde Auditorium)

Mats J. Stensrud and Jessica Young

12:30—13:30 Lunch (served outside Runde Auditorium)

Wednesday April 19

09:00—10:00 Registration and coffee/tea (outside Runde Auditorium)

10:00—10:10 Welcome (Runde Auditorium)

Jon Michael Gran

10:10—11:30 Target trials and estimands (Runde Auditorium)

Chair: Jessica Young

10:10—10:50 I1: Target trial emulation for policy evaluation

Bianca De Stavola

10:50—11:10 C1: Inference procedures in target trial emulation with survival outcomes: comparison of confidence intervals based on the sandwich variance estimator and two forms of bootstrap

Juliette Limozin

11:10—11:30 C2: Estimand strategies for safety outcomes

Fabrizia Mealli

11:30—11:50 Short break

11:50—12:50 Designs (Runde Auditorium)

Chair: Rhian Daniel

11:50—12:10 C3: Balanced and robust randomized treatment assignments: The finite selection model for the health insurance experiment and beyond

Jose Zubizarreta

12:10—12:30 C4: Shrinkage estimation for causal inference and experimental design

Evan T. R. Rosenman

12:30—12:50 C5: Causal inference with misspecified interference structure

Daniel Nevo

12:50—13:50 Lunch (served outside Runde Auditorium)

13:50—15:10 Parallel session 1: Difference in difference and instrumental variables (Runde Auditorium)

Chair: Sara Geneletti

13:50—14:10 C6: Machine learning for difference-in-differences with staggered treatment timing and heterogeneous treatment effects

Julia Hatamyar

14:10—14:30 C7: Doubly robust machine learning for an instrumental variable study of surgical care for cholecystitis

Luke Keele

14:30—14:50 C8: Instrumental variable approaches for addressing unmeasured confounding in estimating time-varying treatment effects.

Daniel Tompsett

14:50—15:10 C9: Instrumental processes using integrated covariances

Søren Wengel Mogensen

13:50—15:10 Parallel session 2: Causal discovery (Auditorium 13)

Chair: Razieh Nabi

13:50—14:10 C10: A cautious approach to constraint-based causal model selection based on equivalence tests

Daniel Malinsky

14:10—14:30 C11: Improving causal discovery with temporal background knowledge

Christine Bang

14:30—14:50 C12: A longitudinal causal graph analysis investigating modifiable risk factors and obesity in a European cohort of children and adolescents

Ronja Foraita

14:50—15:10 C13: Causal discovery from tail, variance or other characteristics

Juraj Bodik

15:10—15:40 Break with coffee/tea and snack (outside Runde Auditorium)

15:40—17:00 Causal effect estimation (Runde auditorium)

Chair: Daniel Farewell

15:40—16:20 I2: Bespoke instrumental variables for causal inference

Oliver Dukes

16:20—16:40 C14: Policy learning with rare outcomes and other complications

Noemi Kreif

16:40—17:00 C15: From data to decisions: how effects of intervening variables can guide policies

Mats J. Stensrud

17:00—19:00 Poster session 1 and reception (outside Runde Auditorium)

Poster presentations P1-P25: see abstract booklet for details.

Thursday April 20

9:00—10:40 Longitudinal causal mediation (Runde Auditorium)

Chair: Bianca De Stavola

9:00—9:40 I3: Time-dependent mediators in survival analysis

Odd O. Aalen

9:40—10:00 C16: Causal mediation analysis with multiple time-varying mediators

Sheng-Hsuan Lin

10:00—10:20 C17: On the causal interpretation of randomized interventional indirect effects

Caleb Miles

10:20—10:40 C18: Characterizing immune correlates of protection in vaccine efficacy trials with stochastic-interventional causal effects

Nima Hejazi

10:40—11:10 *Break with coffee/tea (outside Runde Auditorium)*

11:10—12:30 Mendelian randomization and selection bias (Runde Auditorium)

Chair: Luke Keele

11:10—11:30 C19: Almost exact Mendelian randomization

Qingyuan Zhao

11:30—11:50 C20: Intergenerational effects of parental educational attainment on parenting and childhood educational outcomes: Evidence from MoBa using within family Mendelian randomization

Neil Davies

11:50—12:10 C21: Bounding the selection bias

Stina Zetterstrom

12:10—12:30 C22: The built-in selection bias of hazard ratios formalized

Richard Post

12:30—13:30 *Lunch (served outside Runde Auditorium)*

12:30—14:00 Poster session 2 (outside Runde Auditorium)

Poster presentations P26-P49: see abstract booklet for details.

14:00—15:20 Parallel session 3: Survival and forecasting (Runde Auditorium)

Chair: Ruth Keogh

14:00—14:20 C23: Lifetime relative risk and applications to population attributable fractions

John Ferguson

14:20—14:40 C24: Unraveling exposure incidence and excess risk components of the attributable fraction of a time-dependent exposure

Johan Steen

14:40—15:00 C25: Is there a survival benefit of initiating treatment earlier?

Haris Fawad

15:00—15:20 C26: Losing control (group)? The machine learning control method for counterfactual forecasting

Fiammetta Menchetti

14:00—15:20 Parallel session 4: Causal effect estimation (Auditorium 13)

Chair: Qingyuan Zhao

14:00—14:20 C27: Asymptotics of caliper matching estimators for average treatment effects

Máté Kormos

14:20—14:40 C28: Causal effect metrics are not equal when facing population's shifts

Bénédicte Colnet

14:40—15:00 C29: Using policy learning to reduce catastrophic health expenditures: an evaluation of Indonesia's JKN insurance schemes

Vishalie Shah

15:00—15:20 C30: A Bayesian multivariate factor analysis model for causal inference using time series observational data on mixed outcomes

Pantelis Samartsidis

15:20—15:50 Break with coffee/tea and snack (outside Runde Auditorium)

15:50—16:50 Invited session (Runde Auditorium)

Chair: Vanessa Didelez

15:50—16:50 I4: Causal inference with random assignment versus researcher created binary treatments

Kenneth A. Bollen

19:00 Dinner at Nedre Foss Gård

Friday April 21

9:00—10:40 Estimands and overlap issues (Runde Auditorium)

Chair: Oliver Dukes

9:00—9:40 I5: An Alternative "Interventionist Causal Inference": Leading with Stories

Jessica Young

9:40—10:00 C31: Causal inference with continuous multiple time point interventions

Michael Schomaker

10:00—10:20 C32: Stable probability weighting: Large-sample and finite-sample estimation and inference methods for heterogeneous causal effects of multivalued treatments under limited overlap

Ganesh Karapakula

10:20—10:40 C33: When you see nothing at all

Daniel Farewell

10:40—11:10 Break with coffee/tea (outside Runde Auditorium)

11:10—12:50 Missing data and survival analysis (Runde Auditorium)

Chair: Noemi Kreif

11:10—11:30 C34: Causal and counterfactual views of missing data models

Razieh Nabi

11:30—11:50 C35: A counterfactual causal model for marked point processes

Pål Christie Ryalen

11:50—12:10 C36: Doubly robust g-estimation of structural nested cumulative survival time models with non-ignorable, non-monotonic missing data in time-varying confounders

Yoshinori Takeuchi

12:10—12:50 I6: Risk prediction under hypothetical interventions

Ruth Keogh

12:50—13:00 Closure (Runde Auditorium)

Vanessa Didelez

13:00 Lunch (served outside Runde Auditorium)