



Intermediate methods in pharmacoepidemiology 2024

The Danish Society of Pharmacoepidemiology (DSFE) is hosting a half-day course aimed at doctoral students and other researchers with basic knowledge on pharmacoepidemiology, who want to gain further skills in designing and conducting pharmacoepidemiological studies.

Date: June 4, 2024, from 12:30 – 15:30

Place: Online participation (link will be sent to registered participants a few days before)

Registration: Register [here](#)

Registration fee: Participation is free of charge. We encourage participants to join DSFE [here](#).

Course responsible: DSFE

Program:

Time	Topic	Lecturer
12:30-12:40	Introduction to the program	DSFE
12:40-13:30	Target trial emulation	Edouard Fu, Senior Researcher Leiden University Medical Center, The Netherlands
13:30-14:20	Propensity score methods	Christian Lund, Senior Researcher Clinical Pharmacology, Pharmacy, and Environmental Medicine, University of Southern Denmark, Denmark
14:20-14:30	Break	
14.30-15:20	Quantitative bias analyses	Matthew Fox, Professor Departments of Epidemiology and Global Health, Boston University, United States
15:20-15:30	Brief evaluation and goodbye	DSFE



Lecturers



Edouard Fu, PhD, is senior researcher at Leiden University Medical Center, The Netherlands. He previously completed his post-doctoral fellowship in cardiometabolic and renal pharmacoepidemiology at Brigham and Women's Hospital and Harvard Medical School. His research focuses on assessing the effectiveness and safety of medications and treatments in patients with kidney and cardiovascular disease by applying state-of-the-art causal inference methods to routinely collected healthcare data. He has applied target trial emulation in the field of nephrology to answer clinical questions with observational data (e.g. BMJ 2021, JASN 2020), which has improved the validity of causal observational studies.



Christian Lund specializes in pharmacoepidemiology, where he investigates the safety and effectiveness of medications in real-world populations. His current focus is on hypothesis-generating screening for adverse drug events, which may help to improve drug safety monitoring for both new and established drugs. Beyond pharmacoepidemiology, Christian's passion lies in methodology. He delves into the performance of self-controlled designs, particularly sequence symmetry analysis, using simulation studies. Additionally, he conducts proof-of-concept analyses of empirical data. Christian is also keen on promoting the use of parametric time-to-event analyses and Bayesian statistics in epidemiology.



Matthew Fox, DSc, MPH, is a Professor in the Departments of Epidemiology and Global Health at Boston University. Dr. Fox joined Boston University in 1999. His research interests include treatment outcomes in HIV-treatment programs, infectious disease epidemiology (with specific interests in HIV and pneumonia), and epidemiologic methods. Dr. Fox works on ways to improve retention in HIV-care programs in South Africa from the time of testing HIV-positive through long-term treatment. As part of this work, he is involved in analyses to assess the impact of changes in South Africa's National Treatment Guidelines for HIV. Dr. Fox also does research on quantitative bias analysis and co-authored a book on these methods, *Applying Quantitative Bias Analysis to Epidemiologic Data* (<http://www.springer.com/public+health/book/978-0-387-87960-4>). He is also the host of a public health journal club podcast called Free Associations designed to help people stay current in the public health literature and think critically about the quality of research studies (<https://bit.ly/30fPApj>) and a podcast on Epidemiologic Methods called SERious Epi (<https://seriousepi.blubrry.net/>).