

LECTURE SERIES 2026

CAUSAL INFERENCE METHODS FOR REAL-WORLD DATA



09 JULY 2026

Thursday

LECTURE

MEET & EAT *

Light lunch provided

Conference room – Maison des Sciences Humaines

11.00am - 12.00pm

12.00pm - 1.00pm



Assessing the short-term effects of air pollution on health: a causal inference perspective

ABSTRACT

This seminar will focus on the short-term effects of air pollution on human health. After a brief introduction to traditional regression-based methods for assessing exposure–response associations, I will formalize the problem within the potential outcomes framework for causal inference. I will then present examples illustrating how this approach can be used to estimate causal dose–response relationships and to perform health impact assessments by quantifying the number of attributable deaths under alternative exposure scenarios.

SPEAKER

Prof. Michela Baccini

Associate Professor of Medical Statistics
University of Florence

RESPONSIBLE SCIENTIST

Michela Bia

Luxembourg Institute of Socio-Economic Research (LISER)



*Registration is required for those joining us onsite for the Meet and Eat after the talk:
<https://survey.lih.lu/index.php/979183?lang=en>

Location:

Lecture:

Maison des Sciences Humaines
Room: Conference room

11 porte des Sciences
L-4366 Esch-sur-Alzette, Luxembourg

JOIN

Event number: 2795 905 5859

Event password: 7Gw47s89AjQ

<https://mylih.webex.com/mylih/j.php?MTID=m6ff770b7eae42e596068782088761d8>