LECTURE SERIES 2025
CAUSAL INFERENCE METHODS FOR REAL-WORLD DATA

LUXEMBOURG INSTITUTE OF HEALTH | **LISER** Luxembourg Institute of Socio-Economic Research | **uni.lu** UNIVERSITÉ DU LUXEMBOURG

14 NOV 2025
Friday

LECTURE

MEET & EAT *
Light lunch provided
Conference room – Maison des Sciences Humaines

11.00am - 12.00pm   12.00pm - 1.30pm

6   7   8   9   10   11   12   1   2   3

Causal inference with compositional data

ABSTRACT

Compositional data is a form of hierarchical data in which a whole (or a total) is the sum of its constituent components. Although compositional data can arise in any setting, they are particularly common in health research, with typical examples including dietary, physical activity, or microbiome data. This type of data can bring a range of analytical and interpretational challenges which risks results being misinterpreted. In this talk, I will introduce compositional data using directed acrylic graphs (DAGs), outline the different types of causal effects that may be of interest in such data, and discuss suitable analytical approaches.

SPEAKER

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Co-leader of the Causal Inference Interest Group

RESPONSIBLE SCIENTIST

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***Please note that registration for Meet and Eat is mandatory via the following link:**
https://lsurvey.lih.lu/index.php/441595?lang=en

Location:

Lecture:
Maison des Sciences Humaines
*Room: **Conference room***

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

JOIN

Event number: 2789 913 4500
Event password: 3y7hPPbtkf3

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