

Causal Inference workshop

| 23 - 24 November 2023 | 9am - 5pm |

| Presenter: Professor Michael Hudgens, Chair of Dept of Biostatistics,
University of North Carolina |

| Venue: St David Lecture Theatre complex |

The Biostatistics Centre is hosting a two-day Causal Inference workshop in Dunedin with Professor Michael Hudgens (Professor of Biostatistics and Chair of the Department of Biostatistics UNC-Chapel Hill) on the Thursday and Friday after the conference.

This workshop will provide an introduction to causal inference. We will cover parts I and II of the Hernan and Robins book "Causal Inference: What If" (2023). Topics to be covered include:

- potential outcomes
- effect modification
- directed acyclic graphs
- Confounding
- selection bias
- doubly robust estimation
- instrumental variables.
- g-methods including marginal structural models and the g-formula

There will be breakout/lab sessions using software to analyze real data using causal inference methods. Code will be provided in Stata, R, SAS, and Python.

Target audience: Health researchers, Epidemiologists and Biostatisticians

Cost: For external participants:

Early bird registrations: NZD\$650 (before 15th October 2023)

Standard registrations: NZD\$700

For UO staff and students:

Early bird registrations: NZD\$350 (before 15th October 2023)

Standard registrations: NZD\$400

Register at: <https://events.otago.ac.nz/2023-biostatistics-conference/registration>

Any questions, please email: biostatistics_dunedin@otago.ac.nz

