Division of Epidemiology & Biostatistics
School of Public Health & Family Medicine, University of Cape Town

Seminar Series

Disentangling causal pathways from exposure to clinical outcome using mediation analysis

Speaker:
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Abstract: Once it has been established that an exposure has an effect on a clinical outcome it becomes interesting to determine which causal pathways create the effect; mediation analysis aims to do exactly this. In this talk I present the class of natural effects models, which allows causal inference based mediation analysis to be understood (and performed) in terms of traditional regression analyses. I will introduce the model class and the interpretation of the parameters in the model. Next I will present the R package medflex, which makes estimation of natural effects models both simple and intuitive.

Where: Seminar Room 1, Falmouth Building, Entrance 5, Health Sciences Campus, UCT

When: 14:00 - 15:00, Friday, Feb 10, 2017.

Upcoming:
Feb 16 – Dr Jenny Bryan, University of British Columbia