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

Biostatistical Methods Seminar Series

Latent Growth and Growth Mixture Models. What, and why?

Speaker:
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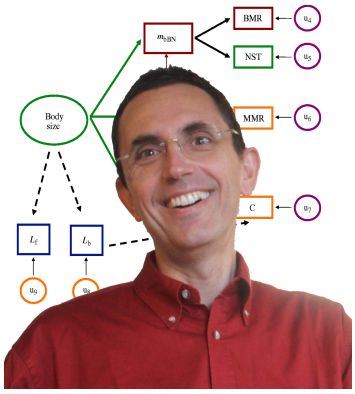

Abstract:
Latent growth analysis --- and its extension to heterogeneous populations known as growth mixture modelling --- is a family of statistical methods used in the structural equation modelling framework for studying between-person differences in within-person change.

This seminar introduces characteristics and statistical properties of this class of models, highlighting similarities and differences with more traditional methods for the analysis of longitudinal data, such as random effect models.

Examples from the epidemiological field are presented to illustrate practicalities in the estimation of latent growth and growth mixture models, with special reference to the assessment of model fit and comparison of alternative models.

Where: Seminar Room 2, Falmouth Building, Entrance 5, School of Public Health and Family Medicine, Health Sciences Campus, UCT

When: 12:00 for 12:30-13:30, Tuesday, April 26, 2016. Light lunch provided. Please RSVP for catering purposes to biostats.seminars.uct@gmail.com or fill in brief survey at http://goo.gl/forms/4BQVKffu2i before end of day Friday, April 22, 2016.

Upcoming:
May – Bayesian state space models

For general information or to suggest a speaker please email: lesosky@gmail.com