

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

Biostatistical Methods Seminar Series

Random survival forests as alternative methods to Cox proportional hazards in analysing survival data

Speaker:

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Abstract:

Random survival forests are known to be robust methods in analysing survival data. They are considered to be attractive alternatives to the Cox proportional hazards model which is the common choice in analysing survival data. In this presentation, we introduce and review random survival forests as alternative models to the Cox proportional hazards model. We further apply the methods to the data collected from TB patients involved in the XDR-TB 10 year cohort study in South Africa, aimed at addressing complexities around long term treatment outcomes for patients with drug resistant TB.

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

When: **Seminar starts at 12:30**, Tuesday, June 14, 2016. Light lunch provided from 12:00. 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, June 10, 2016.

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