



McGill

Department of
Epidemiology, Biostatistics
and Occupational Health

Biostatistics Seminars

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Contributions to Longitudinal Data Analysis

Wednesday, September 8, 2021

3:30 pm – 4:30 pm – **Zoom Link:**

<https://mcgill.zoom.us/j/85978187693?pwd=WWtJZUpnb0JXK3o5SStnOFcxK3FFUT09>

Abstract:

Longitudinal studies have played a prominent role in researching growth, change and/or decline in individuals, and in studying the environmental and social factors which influence change. The essential feature of a longitudinal study is taking repeated measures of an outcome on the same set of individuals at multiple timepoints. The basic design features of longitudinal studies extend to clinical trials as well as repeated measures studies which involve characterizing responses of the same individual under different experimental conditions. I will describe the contribution of Laird and Ware (1982, *Biometrics*, 38, pp. 963-974.) to methods for the analysis of this broad class of designs as well as extensions to more complex settings.

Link: <https://magazine.amstat.org/blog/2021/04/01/lairdinternationalprize/>