Joint Analysis of Longitudinal and Survival Data

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Joint analysis of longitudinal measurements and survival data has received much attention in recent years. However, previous work has primarily focused on a single failure type for the event time with independent censoring. In this talk I will discuss joint modeling of a longitudinal outcome together with competing risks survival data. Our approach allows for more than one types of failures and provides a simple means to handle dependent censoring. Robust procedures will also be discussed. The developed methods are applied to analysis of a clinical trial for scleroderma lung disease

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