

Statistical Analysis of Interval-censored Count Data

by

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Abstract

Interval-censored count data, also often referred to as panel count data, frequently occur in many studies such as longitudinal follow-up studies. For their analysis, a number of statistical approaches have been developed under the framework of the independent or noninformative observation process and most of them are thus naturally conditional procedures given on the observation process. In many situations, however, this may not be true or realistic. That is, observation times may depend on or be related with the response variable and the same could be true for the follow-up time. This talk discusses situations where the observation process may be informative and some joint modeling methods are presented.