

1056-62-738

Ke Wu* (kewu@csufresno.edu), Department of Mathematics, California State University, Fresno, 5245 N. Backer Ave. M/S PB108, Fresno, CA 93740. *Estimation of the Convolution of Distributions Under Different Censoring Models of Survival Data.*

In survival analysis, one is often interested in the evaluation of two or more time-dependent stochastic events and their relationships to one another when data are possibly censored. One problem of interest is to estimate the convolution of distributions. In this talk we will describe some estimators for the convolution of distribution functions when the data are under different censoring models including the general right censoring model, Koziol-Green model, and partial Koziol-Green model. We will present the asymptotic properties of the estimators under these different censoring models. (Received September 16, 2009)