

Abstract

In this talk, I introduce a new class of statistics which include as special cases the unsigned linear rank statistic, signed rank statistic, linear combination of functions of order statistics, linear functions of concomitants of order statistics and rank combinatorial statistic, among possibly others. For this class, the asymptotic normality is established, rates of convergence are derived, and large deviation probabilities are investigated. The results obtained supercede all previous results obtained in this direction.

Tea and Coffee will be served