Seminar Announcement

Speaker: Anjana S.

Affiliation: ISI Chennai

Date: 3rd November, 2017

Time: 2:00pm - 3:00pm

Venue: Indian Statistical Institute, 110 Nelson Manickam Road, Aminjikarai, Chennai.

Title: Test for independence between time to failure and cause of failure in competing risks with k causes of failure

Abstract: In this paper, we develop a simple non parametric test for testing the independence of time to failure and cause of failure in competing risks set up. We generalize the test to the situation where the data contain right censored failure times. Asymptotic properties of the test statistics in both uncensored and censored situations are studied. The efficiency loss due to censoring is studied using Pitman efficiency. The performance of the proposed test is studied through simulations. Finally we illustrated our test procedure using real data sets.

Tea/Snacks will be served after the talk.
Please forward this notice to anyone who you think may be interested.

Regards,

Seminar Coordinator.