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Some concepts of stochastic orderings with applications

Thursday, September 28, 2023

3:30 p.m.

Marrs McLean Science Building 301

Abstract: This talk will review some concepts of stochastic orderings and will discuss implicit and explicit applications in survival analysis and linkage analysis. Methodology for the nonparametric estimation of survival functions subject to some of these stochastic orderings will be presented and illustrated with various data sets. A quick excursion into RUSIS will also be presented.

Bio:

Javier Rojo received a BS in mathematics from UT El Paso, an MS in statistics from Stanford University, and a Ph.D. in statistics from Berkeley under the direction of Erich L. Lehmann. He joined the Epidemiology and Biostatistics Department in the School of Public Health at Indiana University in September of 2021 as a Dean's Eminent Scholar. Prior to joining IU, he was the Korvis Professor of Statistics at Oregon State University. Prior to that, he was the Seneca C. and Mary B. Weeks endowed Chair of Statistics and Chair of Mathematics and Statistics at the University of Nevada at Reno where, as chair, he led the successful efforts to create two new Ph.D. programs. From 2001-2013 he was Professor of Statistics at Rice University where he created the AMS award winning REU RUSIS. From 1984 - 1990 he was assistant professor, associate professor (1990 - 1995), and professor (1995 - 2000) of statistics at UTEP where he founded the BioStatistical Laboratory. He has served on several National Academy of Sciences and Institute of Medicine committees. He is an adjunct professor at the MD Anderson Cancer Center and the Civil Engineering Department at Rice. He has held positions at Sandia Labs Albuquerque, The Rand Corporation Santa Monica, Pacific Gas and Electric San Francisco, and El Paso Natural Gas Co.

Please join us for refreshments in room 176 at 3:00.