

Topic: Sufficiency in Finite Parameter and Sample Spaces

Speaker: Lynn R. LaMotte, Professor, Biostatistics Program, LSU School of Public Health

Abstract. Sufficiency and minimal sufficiency are examined in settings in which the parameter space and the sample space are both finite, where these properties can be presented in terms of linear algebra. Minimal sufficient partitions are identified constructively. Completeness is characterized. This provides direct, hands-on treatment of these topics at a level accessible to a wide audience.