

Download Multivariate Permutation Tests With Applications In Biostatistics

Multivariate analysis (MVA) is based on the statistical principle of multivariate statistics, which involves observation and analysis of more than one statistical outcome variable at a time. In design and analysis, the technique is used to perform trade studies across multiple dimensions while taking into account the effects of all variables on the responses of interest. In statistics, resampling is any of a variety of methods for doing one of the following: . Estimating the precision of sample statistics (medians, variances, percentiles) by using subsets of available data (jackknifing) or drawing randomly with replacement from a set of data points (bootstrapping); Exchanging labels on data points when performing significance tests (permutation tests, also ...Certificate Program in Biostatistics - Epidemiology, Controlled Trials, Environmental Statistics, aimed at those who need to understand the statistical methods required for the study of epidemiological data (data from observational studies, as opposed to controlled experiments), the statistical design principles for randomized clinical trials, and/or analyze, interpret or report the results ...Book. Permutation Tests for Stochastic Ordering and ANOVA: Theory and Applications with R by Basso D., Pesarin F., Salmaso L., Solari A. (Lecture Notes in Statistics - Springer). more...