



Statistics 525

Multivariate Analysis

Normal distribution. Statistical inference: confidence regions, hypothesis tests, analysis of variance, simultaneous confidence intervals. Principal components. Factor Analysis. Discrimination and classification. Canonical correlation analysis.

Course Hours: H(3-0)

Prerequisite(s): Statistics 421 or consent of the Division.

Notes: May not be offered every year. Consult the department for listings.

Suggested Text: Applied Multivariate Statistical Analysis, 5th edition, by Johnson and Wichern

Syllabus

Table with 2 columns: Topics and Number of Hours. Topics include Review of univariate, bivariate distributions; Random vectors and matrices; Multivariate Normal distribution; Inferences about population mean vectors; Paired comparisons, independent samples. Total hours: 36.
