

STANFORD UNIVERSITY
DEPARTMENT OF STATISTICS
JOINT STATISTICS/BIOSTATISTICS SEMINAR

4:15 p.m., Tuesday, April 20, 2004
Sequoia Hall Room 200
(Cookies at 3:45 in the 1st Floor Lounge)

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Co-plot: A graphical display technique for analyzing multivariate data

Abstract:

Co-plot is a multivariate method that is efficient geometrically representing matrices. Co-plot is a two-dimensional graphical display. Its main feature is the simultaneous analysis of observations and variables in a simple way. The method produces three results:

1) similarity among observations 2) the structure of correlations among the variables, 3) the mutual relationships between the observations and the variables.

The method is demonstrated on some classical case-studies and is compared to Principal Component Analysis.

The co-plot is relatively friendly software, and some of its properties will be demonstrated.