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AVVISO DI SEMINARIO

Il Prof. **Valério De Patta Pillar**, del Dipartimento di Ecologia della Universidade Federal do Rio Grande do Sul (Porto Alegre, Brazil), in visita presso il dipartimento terrà un seminario dal titolo:

Randomization tests and power evaluation in multivariate analysis of variance

Abstract:

Hypothesis testing by analysis of variance is very often hindered by unrealistic assumptions when based on conventional statistical methods. The problem, however, can be overcome by randomization testing, which is based on random permutations performed in the data set according to a given Null Hypothesis. The lecture will approach randomization testing in multivariate analysis of variance, based on the partitioning of sum of squares computed from multivariate distances. The method was developed by Pillar & Orlóci (1996). Two sets of variables are involved, the data set on the basis of which the groups are compared and the factors which delimit the groups under different multivariate analytical designs. The method has versatility of testing uni- or multifactor designs. Power evaluation results with simulated data and applications in real data sets, especially in community ecology, will be discussed.

Il seminario, in lingua inglese, avrà luogo il 26 settembre alle ore 11 nell'aula E del Dipartimento di Matematica Guido Castelnuovo.

Gli interessati sono invitati a partecipare.

Roma, 4 settembre 2003

(Prof. Sergio CAMIZ)