

## MEASURES OF DIFFERENCE FOR SPATIALLY DEPENDENT SAMPLES

(1) DIBLASI, A. AND PAWLOWSKY GLAHN, V.

In the literature, several measures of difference between spatially dependent samples can be found. One of them is an extension of the classical Mahalanobis distance which consists in adding to the estimate of the variance-covariance matrix, the matrix of spatial auto-crosscovariances. Another is based on a measure of dissimilarity weighted by a function of the multivariate variogram. Their properties as distance measures are analyzed and their performance are compared using simulated and real data.