## Semi-variogram, Covariogram, covariance (cov) on semivariance $\gamma(d)$ y axis y(s<sub>i</sub>.s<sub>i</sub>) on y axis Unstructured $\sigma^2$ variation Rance Structured variation, partial sill Sill Sill Structured variation Range Unstructured variation, nugget Distance Distance

Distance between observation *i* and *j* 

$$cov(d) = cov(0) - \gamma(d)$$

Figures modified from ESRI ArcGIS Desktop online manual