Measurements of Autocorrelation

There are several approaches to estimating spatial autocorrelation

- Morans I

- Geary's G

- Correlograms

Moran's I

$$I = \frac{N}{\sum_{i,j=1}^{N} w_{ij}} * \frac{\sum_{i=1}^{N} \sum_{j=1}^{N} w_{ij}(x_i - \bar{x})(x_j - \bar{x})}{\sum_{i=1}^{N}(x_i - \bar{x})^2}$$