Lesson 6. Spatial Statistics in GeoDa (2)

Contiguity and spatial weights
Spatial weight matrix expresses the existance of a neighbor relation as a binary relationship.
Contiguity is a presence of a common border between objects.

Joint Count Method
Use if you need to process a binary data.
Work pipeline: make weight matrix –> open Local Joint Count in Space bar menu –> Select an exploring variable.

Local Geary
Use if you need to process contiguous data.
Work pipeline: make weight matrix –> open Local Geary in Space bar menu –> choose two options for maps.

Quantile LISA
Use if you need to process contiguous data with multiple variable and find an autocorrelation.
Work pipeline: make weight matrix –> open Quantile LISA in Space bar menu –> choose two or more variables and there quantile.

Spatial correlogram
Use if you need to find the correlation between differences of variable and different distances.
Work pipeline: open Spatial correlogram in Space bar menu –> choose variable and number of bins.

Regression
Use if you need to find depenency between two or more variables.
Work pipeline: open Regression in Regression menu –> choose dependent and independent variables.