Kyle – 30/11/15 - Analysis of Weevils

Packages

* Lme4
* Lmer
* Glmer
* Vegan – pcnm()

Incorporating the spatial influence of other cells

* Progressively increase the radius of influence and evaluate the fit with AIC
* Distance matrix with x,y coordinates of the trees, use this to make a pairwise distance matrix and add this as a covariate to determine their effect
* Use a Moran’s correlogram/Semivariogram to determine when the spatial autocorrelation ceases
  + Then use a principal coordinate analysis
* Remember to incorporate edge effects

Extras

* Remember to ID the blocks as factors rather than A,B,C,D

Zero-inflated models/Hurdle Models

* Allows zeroes to be removed from the model-
* Model in 2 parts, is there a difference between zeroes and ones, if a 1, what causes the difference.