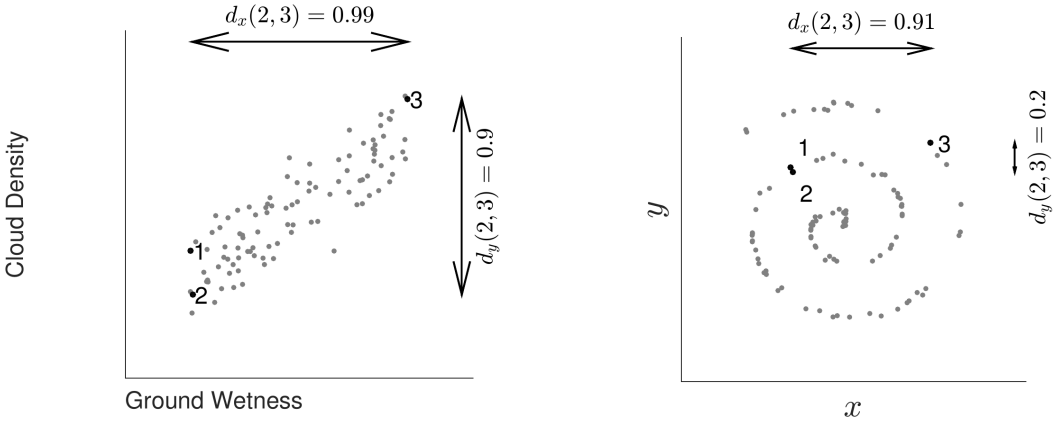
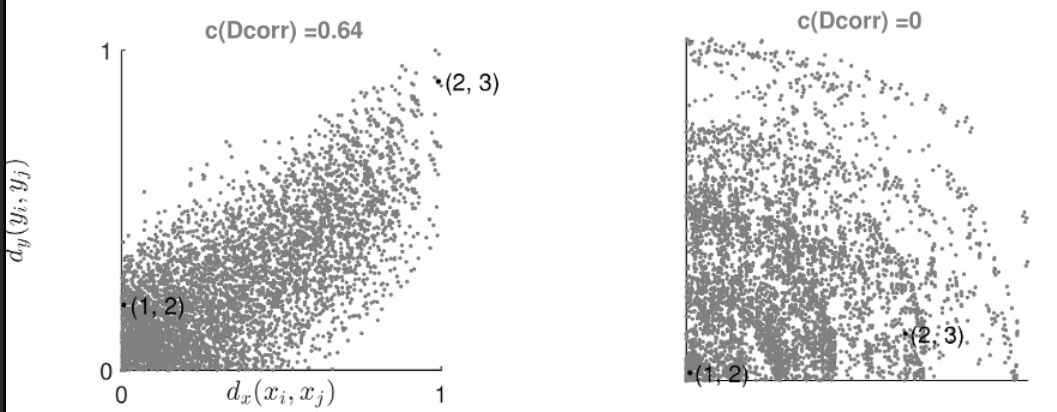
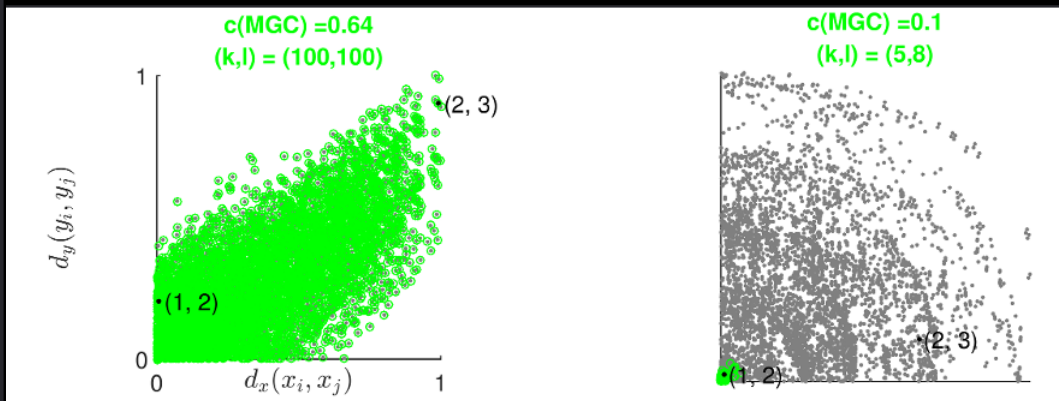
Obtain *n* samples of cloud shape on day *i* (x_i) and grass wetness on day *i* (y_i).



Step i: Compute the distances between all pairs, specifically all pairs of x_i, $d_x(x_i,x_{i'})$, and all pairs of y_i, $d_y(y_i,y_{i'})$.



Step ii: Find max local correlation between d_x and d_y, i.e., only including *(k,l)* smallest values for each sample.



Step iii: Compute the p-value via permutation test, and determine the informative scales (those with small p-values)