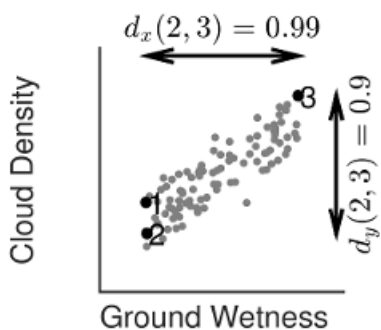
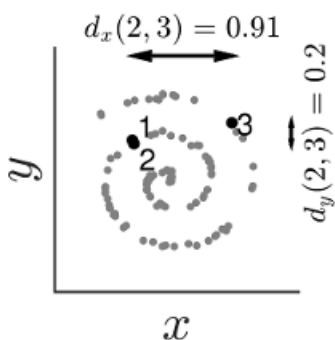


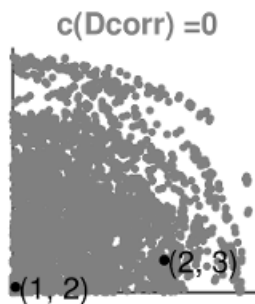
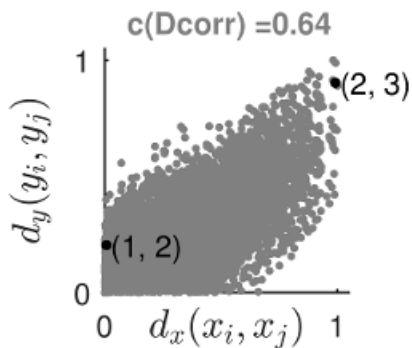
A. Linear



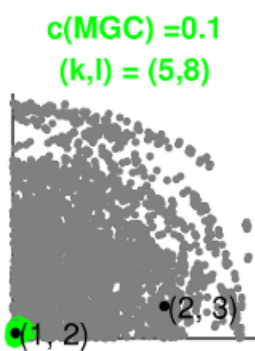
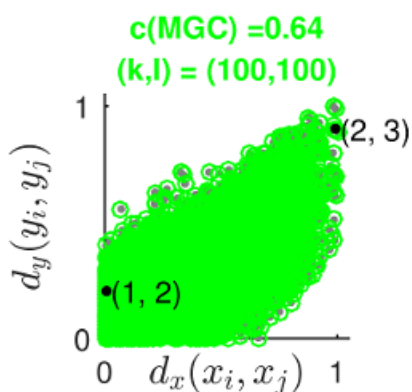
B. Spiral



(i) Compute the distances between all pairs of x_i , and all pairs of y_i . Denote those distances by $d_x(x_i, x_j)$ and $d_y(y_i, y_j)$, respectively.



(ii) Find the maximum local generalized correlation between d_x and d_y , i.e., only including (k,l) smallest values for each sample



(iii) Determine whether the relationship is significant, and characterize the geometry of the relationship.

