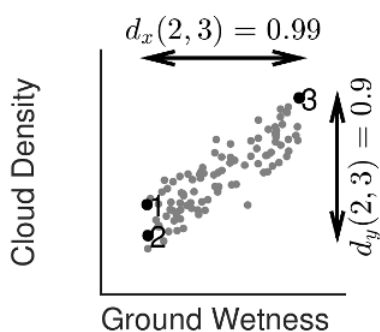
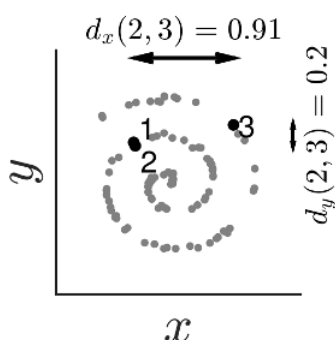


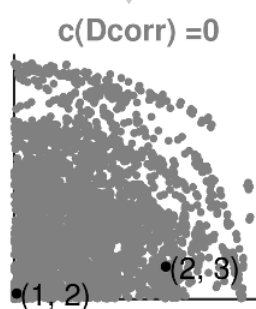
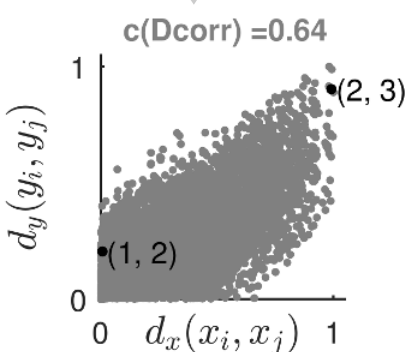
A. Linear



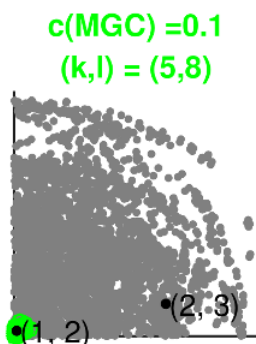
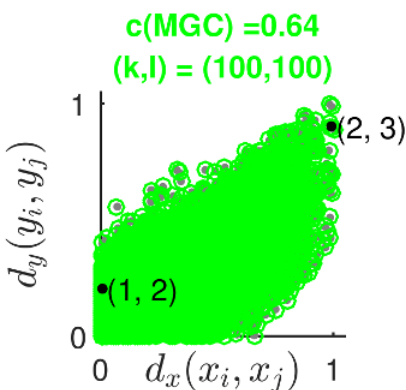
B. Spiral



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



(ii) Find max local correlation between dx and dy , i.e., only including (k, l) smallest values for each sample



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

