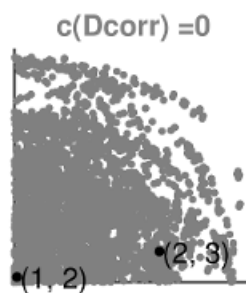
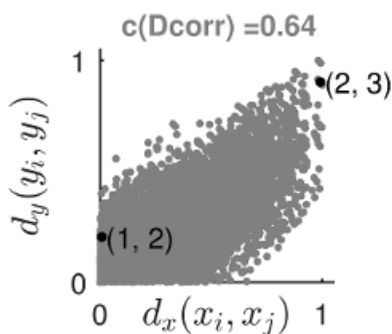
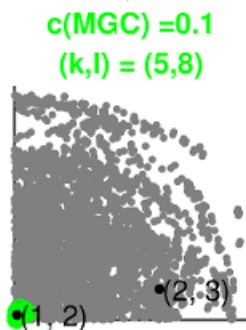
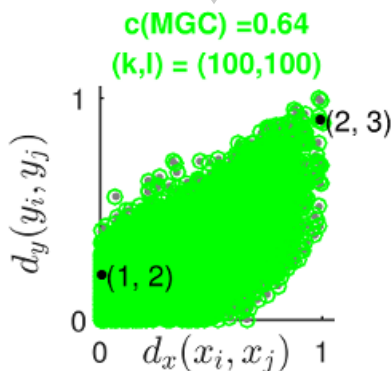


(A) Compute the distances between all pairs of x_i , and all pairs of y_i . Denote those distances by $d_x(x_i, x_{i'})$ and $d_y(y_i, y_{i'})$, respectively.



(B) Compute the local generalized correlation between d_x and d_y , i.e., only including (k,l) smallest values for each sample, and find max.



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

